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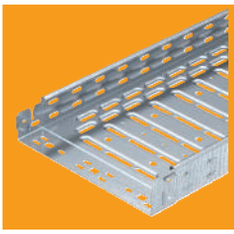
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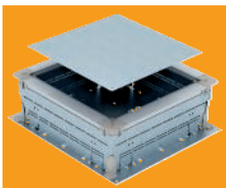
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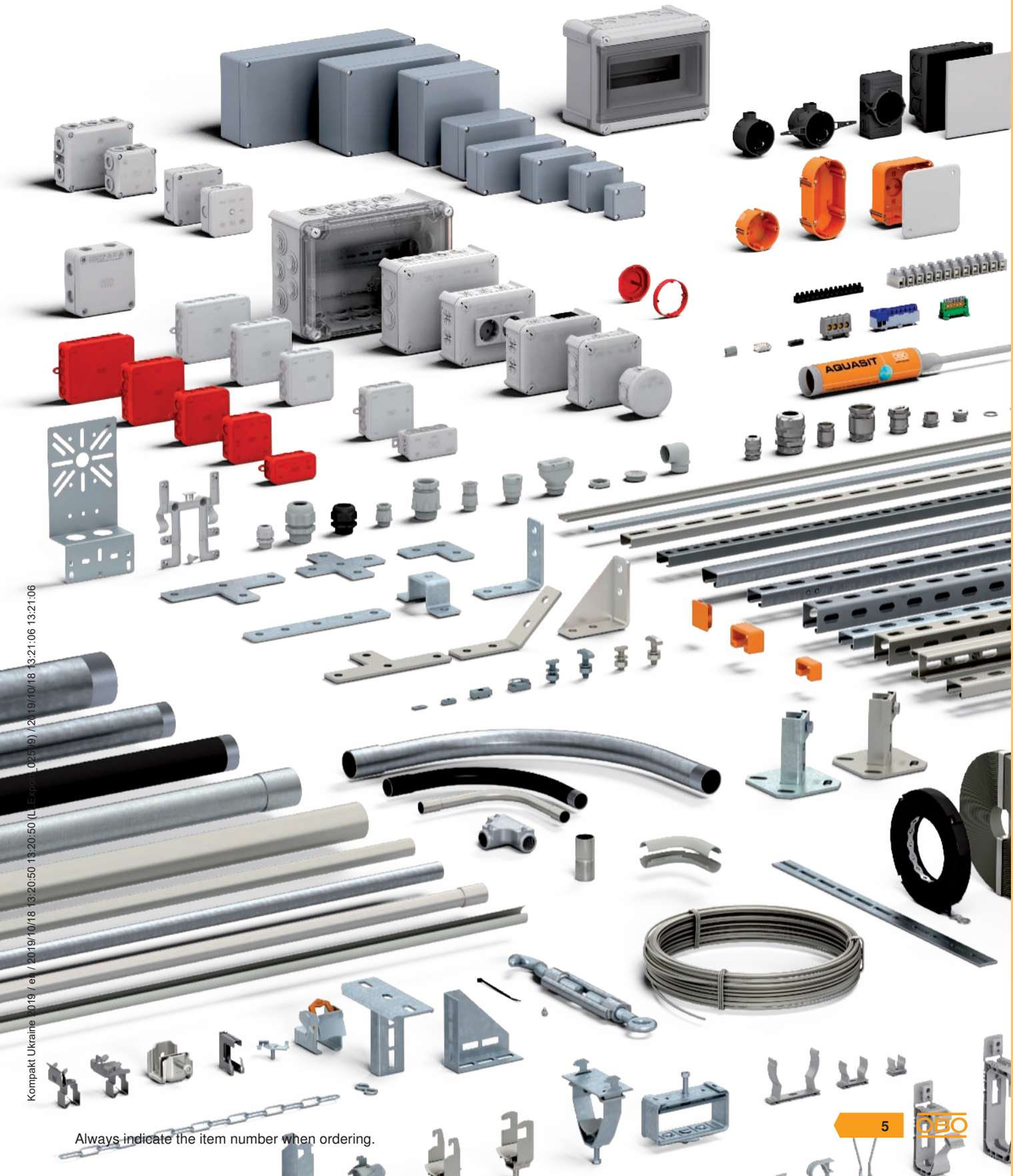
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Connection and fastening systems



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Junction box systems

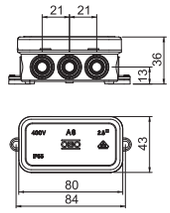


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Always indicate the item number when ordering.

Junction box A 6

IP 55 | 2,5 mm² | 400 V | 10 | 650° | IK 07



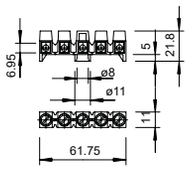


Type	Colour	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
A 6	Light grey	80x43x36	69x32x30	10	2.560	**2000001**

PE Polyethylene

Terminal strip 2.5 mm²

960°





Type	Colour	No. of terminals	Nominal cross-section mm²	Nom. voltage V	Pack. pcs	Weight kg/100 pcs.	Item No.
689	Natural	5	0.8 - 2.5	660	50	1.502	**2017342**

PA Polyamide

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Always indicate the item number when ordering.

The success of the T series has a solid basis

Intelligence is the natural characteristic of the T series: Our developers have used high-quality materials, sensible wall thicknesses and a stable construction to ensure that the T series can stand up to even the hardest conditions. All the boxes are made of halogen-free polypropylene and do not contain fluorine, chlorine or bromine.

Condensation water opening
There is a condensation water opening on each side, which can be pushed in as necessary.

Alignment markings
There are markings on all sides of the junction box for alignment with a chalk line.

Mounting points
Thanks to cleverly arrayed mounting points, versatile installation options are created for the internal space.



Cover captivity
The cover captivity ensures that the lid cannot go missing or drop down – a benefit that one comes to appreciate quickly in many assembly situations.

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Screw cover flaps
When fixed through the back wall the included screw cover flaps will cover the openings again.

UV resistance
The material of all junction boxes is UV-resistant and is therefore suitable for the use outside.

Corner dome
The corner dome separates the fixation of the junction box from the internal room and ensures a particularly torsion-resistant box. The good impact characteristics have been tested to DIN EN 50102 and classified according to the universally accepted IK code.

Knock-out entries
Knock-out entries in the bottom allow the insertion of cables from below.

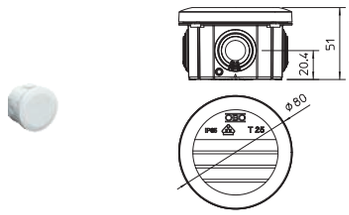
Screw-on covers
Screw-on covers provide fast and secure fastening of the cover. The junction box can be sealed.

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Junction box, T series with plug-in seal

Junction box T 25, plug-in seal

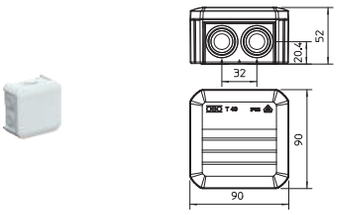


IP 65 | M25 | 2,5 mm² | 4 | 500 V | UV RESISTANT | IK 07 | HALOGENFREE | 650° | VDE | KEMA KEUR

Type	Colour	Entries	Dimension mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 25	Light grey	4 x M25	Ø80x51	Ø63x45	5	4.190	2007029

PP Polypropylene

Junction box T 40, plug-in seal

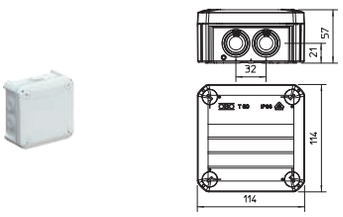


IP 55 | M25 | 4 mm² | 7 | 500 V | IK 07 | UV RESISTANT | HALOGENFREE | 650° | VDE | KEMA KEUR

Type	Colour	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 40	Light grey	7 x M25	90x90x52	77x77x46	5	6.700	2007045

PP Polypropylene

Junction box T 60, plug-in seal

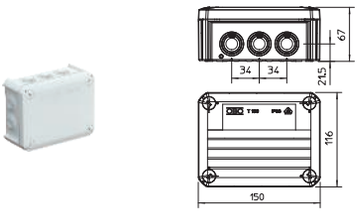


IP 66 | M25 | 6 mm² | 7 | 500 V | UV RESISTANT | IK 07 | HALOGENFREE | 650° | VDE | KEMA KEUR

Type	Entries	Colour	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 60	7 x M25	Light grey	114x114x57	100x100x48	5	12.300	2007061

PP Polypropylene

Junction box T 100, plug-in seal



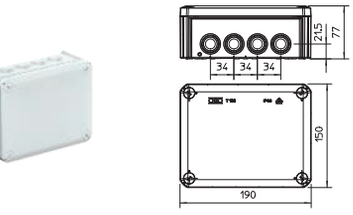


IP 66 | M25 | 10 mm² | 10 | 500 V | UV RESISTANT | IK 07 | HALOGENFREE | 650° | VDE | KEMA KEUR

Type	Colour	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 100	Light grey	10 x M25	150x116x67	136x102x57	1	16.270	2007077

PP Polypropylene

Junction box T 160, plug-in seal



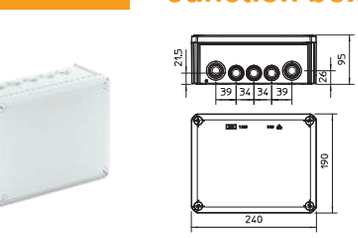


IP 66 | M25 | M32 | 16 mm² | 12 | 500 V | IK 05 | UV RESISTANT | HALOGENFREE | 650° | VDE | KEMA KEUR

Type	Colour	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 160	Light grey	7 x M25 5 x M32	190x150x77	176x135x67	1	30.000	2007093

PP/GF Polypropylene, Glass-fibre reinforced

Junction box T 250, plug-in seal





IP 66 | M25 | M32 | 25 mm² | 16 | 500 V | UV RESISTANT | IK 05 | HALOGENFREE | 650° | VDE | KEMA KEUR

Type	Colour	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 250	Light grey	9 x M25 7 x M32	240x190x95	225x173x86	1	50.000	2007109

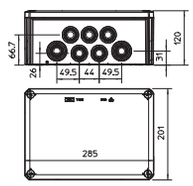
PP/GF Polypropylene, Glass-fibre reinforced

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Junction box T 350, plug-in seal

IP 66 | M32 | M40 | 35 mm² | 24 | 500 V | UV RESISTANT | IK 05 | Fluor Chlorum MALOGENFREI | 650° | VDE | KEMA KEUR





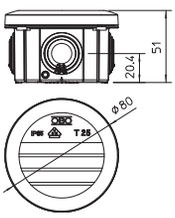
Type	Colour	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 350	Light grey	16 x M32 8 x M40	285x201x120	267x182x110	1	63.000	2007125

PP/GF Polypropylene, Glass-fibre reinforced

Junction box, T series with plug-in seal, flame-resistant

Junction box T 25, plug-in seal, flame-resistant

IP 65 | M25 | 2,5 mm² | 4 | 500 V | UV RESISTANT | IK 07 | Fluor Chlorum MALOGENFREI | 960° | VDE | KEMA KEUR



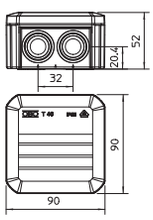


Type	Colour	Entries	Dimension mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 25 F	Light grey	4 x M25	Ø80x51	Ø63x45	5	4.190	2007312

PP Polypropylene

Junction box T 40, plug-in seal, flame-resistant

IP 55 | M25 | 4 mm² | 7 | 500 V | IK 07 | UV RESISTANT | Fluor Chlorum MALOGENFREI | 960° | VDE | KEMA KEUR



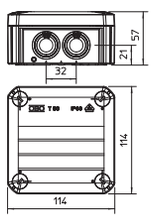


Type	Colour	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 40 F	Light grey	7 x M25	90x90x52	77x77x46	5	6.700	2007320

PP Polypropylene

Junction box T 60, plug-in seal, flame-resistant

IP 66 | M25 | 6 mm² | 7 | 500 V | UV RESISTANT | IK 07 | Fluor Chlorum MALOGENFREI | 960° | VDE | KEMA KEUR



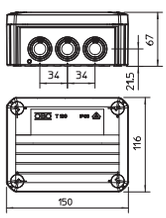


Type	Entries	Colour	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 60 F	7 x M25	Light grey	114x114x57	100x100x48	5	12.300	2007339

PP Polypropylene

Junction box T 100, plug-in seal, flame-resistant

IP 66 | M25 | 10 mm² | 10 | 500 V | UV RESISTANT | IK 07 | Fluor Chlorum MALOGENFREI | 960° | VDE | KEMA KEUR



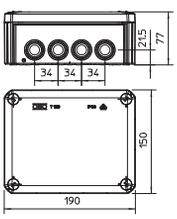


Type	Colour	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 100 F	Light grey	10 x M25	150x116x67	136x102x57	1	16.270	2007347

PP Polypropylene

Junction box T 160, plug-in seal, flame-resistant

IP 66 | M25 | M32 | 16 mm² | 12 | 500 V | IK 05 | UV RESISTANT | Fluor Chlorum MALOGENFREI | 960° | VDE | KEMA KEUR





Type	Colour	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 160 F	Light grey	7 x M25 5 x M32	190x150x77	176x135x67	1	30.000	2007355

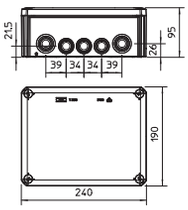
PP/GF Polypropylene, Glass-fibre reinforced

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Junction box, T series with plug-in seal, flame-resistant

Junction box T 250, plug-in seal, flame-resistant





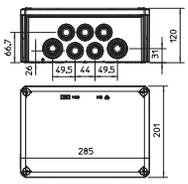
IP 66 | M25 | M32 | 25 mm² | 16 | 500 V | UV RESISTANT | IK 05 | Fluor Chlorum HALOGENFREE | 960° | VDE | KEMA KEUR

Type	Colour	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 250 F	Light grey	9 x M25 7 x M32	240x190x95	225x173x86	1	50.000	**2007363**

PP/GF Polypropylene, Glass-fibre reinforced

Junction box T 350, plug-in seal, flame-resistant





IP 66 | M32 | M40 | 35 mm² | 24 | 500 V | UV RESISTANT | IK 05 | Fluor Chlorum HALOGENFREE | 960° | VDE | KEMA KEUR

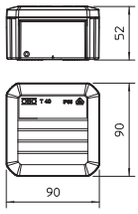
Type	Colour	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 350 F	Light grey	16 x M32 8 x M40	285x201x120	267x182x110	1	63.000	**2007371**

PP/GF Polypropylene, Glass-fibre reinforced

Junction box, T series, closed

Junction box T 40, closed





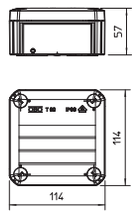
IP 55 | 4 mm² | 500 V | UV RESISTANT | IK 07 | Fluor Chlorum HALOGENFREE | 650° | VDE

Type	Colour	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 40 OE	Light grey	90x90x52	77x77x46	5	6.300	**2007223**

PP Polypropylene

Junction box T 60, closed





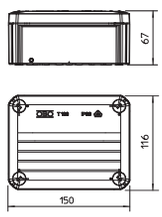
IP 66 | 6 mm² | 500 V | UV RESISTANT | IK 07 | Fluor Chlorum HALOGENFREE | 650° | VDE

Type	Colour	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 60 OE	Light grey	114x114x57	100x100x46	5	12.000	**2007239**

PP Polypropylene

Junction box T 100, closed





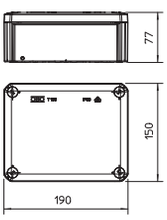
IP 66 | 10 mm² | 500 V | IK 07 | UV RESISTANT | Fluor Chlorum HALOGENFREE | 650° | VDE

Type	Colour	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 100 OE	Light grey	150x116x67	136x102x57	1	16.200	**2007255**

PP Polypropylene

Junction box T 160, closed





IP 66 | 16 mm² | 500 V | UV RESISTANT | IK 04 | Fluor Chlorum HALOGENFREE | 650° | VDE

Type	Colour	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 160 OE	Light grey	190x150x77	176x135x67	1	30.000	**2007271**

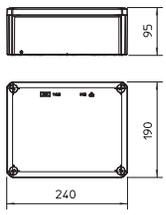
PP/GF Polypropylene, Glass-fibre reinforced

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Always indicate the item number when ordering.

Junction box T 250, closed

IP 66 | 25 mm² | 500 V | UV resistant | IK 05 T | Fluor Chlor Brom halogenfrei | 650° | VDE



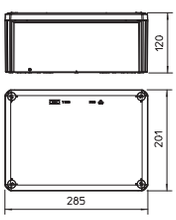


Type	Colour	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 250 OE	Light grey	240x190x95	225x173x86	1	48.300	**2007287**

PP/GF Polypropylene, Glass-fibre reinforced

Junction box T 350, closed

IP 66 | 35 mm² | 500 V | UV resistant | IK 05 T | Fluor Chlor Brom halogenfrei | 650° | VDE





Type	Colour	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 350 OE	Light grey	285x201x120	267x182x110	1	58.800	**2007303**

PP/GF Polypropylene, Glass-fibre reinforced

Accessories T series

Fastening element for cable tray

35 | 60 | 85 | 110 | 45 | 60 | 110 | Fluor Chlor Brom halogenfrei



Type	Pack. pcs	Weight kg/100 pcs.	Item No.
BE TS KR	10	2.800	**2007835**

PC Polycarbonate

Mounting plate

35 | 60 | 85 | 110 | 35 | 55 | 105



Type	Height mm	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
MP UNI FS	115	170	40	13.300	**7084773**

St Steel
FS Strip-galvanised

Fastening element for mesh cable tray

35 | 55 | 105 | Fluor Chlor Brom halogenfrei



Type	Pack. pcs	Weight kg/100 pcs.	Item No.
BE TS GR	10	2.300	**2007833**

PC Polycarbonate

Mounting plate, angled

35 | 60 | 85 | 110



Type	Height mm	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
MP WI KL. FS	210	120	20	20.200	**7084765**
MP WI KL. DD	210	120	20	20.200	**7085111**

St Steel
FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

Terminal strip 1–4 mm², junction box, T series

Fluor Chlor Brom halogenfrei | 960° | VDE



Type	Colour	No. of terminals	Nominal cross-section mm²	Nom. voltage V	Pack. pcs	Weight kg/100 pcs.	Item No.
KL-T 01-04	Light grey	5	1 - 4	400	10	2.100	**2016180**

PA Polyamide

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Accessories T series

Terminal strip 1.5–6 mm², junction box, T series



Type	Colour	No. of terminals	Nominal cross-section mm²	Nom. voltage V	Pack. pcs	Weight kg/100 pcs.	Item No.
KL-T 02-06	Light grey	5	1.5 - 6	400	10	4.380	**2016185**

PA Polyamide

Accessories for X series

Terminal strip 2.5 mm²



Type	Colour	No. of terminals	Nominal cross-section mm²	Nom. voltage V	Pack. pcs	Weight kg/100 pcs.	Item No.
689	Natural	5	0.8 - 2.5	660	50	1.502	**2017342**

PA Polyamide

Junction box, B 9/T

Mounting plate, angled



Type	Height mm	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
MP WI KL. FS	210	120	20	20.200	**7084765**
MP WI KL. DD	210	120	20	20.200	**7085111**

St Steel

FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

FireBox, closed version

FireBox T100E with internal fastening



Type	Nominal cross-section mm²	Number of terminals	Colour	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
T 100 E 4-5	4	5	Pastel orange	17	1	27.400	**7205510**

PP Polypropylene

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Always indicate the item number when ordering.

FireBox T160E with internal fastening

E30 E90 IP 66

Type	Nominal cross-section mm²	Number of terminals	Colour	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
T 160 E 10-5	10	5	Pastel orange	5	1	48.700	**7205524**
T 160 E 16-5	16	5	Pastel orange	5	1	53.800	**7205528**

PP Polypropylene



FireBox T160E for data technology with internal fastening

E30 E90 IP 66

Type	Colour	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
T 160 E 4-8D	Pastel orange	5	1	46.500	**7205520**

PP Polypropylene



Cable gland with locknut as a set

Type	Thread	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
V-TEC VM20+ OR	M20 x 1,5	100	10	1.106	**7205660**
V-TEC VM25+ OR	M25 x 1,5	100	10	1.710	**7205663**
V-TEC VM32+ OR	M32 x 1,5	100	10	2.840	**7205666**
V-TEC VM40+ OR	M40 x 1,5	120	10	5.150	**7205669**

PA Polyamide

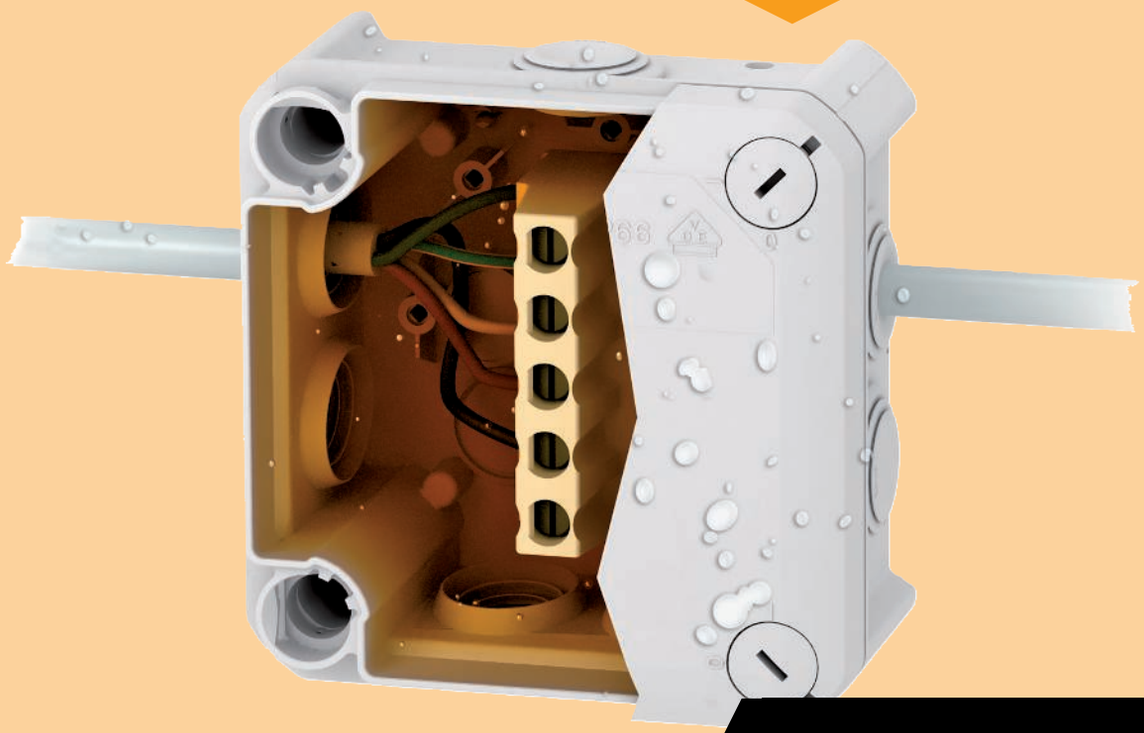


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Always indicate the item number when ordering.

Aquasit cold casting compound

- Protection rating: IP68 at 1.8 bar/1,000 h
- Rated voltage: 400 V
- Penetration resistance: >20 kV/mm according to VDE 0291 Part 2
- Operational temperature: –40 to +90 °C
- Processing temperature: 0 to +40 °C
- Halogen-free, silicone-free, isocyanate-free
- Environmentally friendly and without a labelling requirement



Protection rating IP68

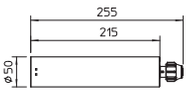
OBO Aquasit cold casting compound is the solution for electrical installations in particularly damp environments. Whether for connections in the garden, by waterways, in laundries or in a pump well – Aquasit ensures a safe electrical installation anywhere. The application is simple: Aquasit is cast simply and tidily using a standard cartridge pistol. The transparent, amber-coloured cold casting compound, based on carbon resins, then sets to a soft elastic. Aquasit is "self-healing" and can also be removed easily.

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Always indicate the item number when ordering.

Aquasit cold casting compound, cartridge

Type	Contents ml	Pack. pcs	Weight kg/100 pcs.	Item No.
KVM 250	250	1	42.000	**2363010**





Aquasit is a two-component casting compound in a cartridge, for applications in areas with continuous and extremely high levels of moisture. It can also be used against mechanical shock and vibrations.
The cartridge is suitable for use in standard cartridge pistols. At room temperature, the unopened aluminium packaging can be stored for up to 18 months. When the cartridge is opened, the material should be used within 24 hours.
Practical experience, tests and approvals valid only in conjunction with OBO junction boxes.
Aquasit properties:
Protection rating with appropriate junction box: IP68 at 1.8 bar/1,000 hrs
Rated voltage: 400 V
Penetration resistance: >20 kv/mm to VDE 0291 Part 2
Operating temperature: -40 to +90 °C
Processing temperature: 0 to +40 °C
Halogen-free, silicon-free, isocyanite-free
Environmentally friendly and without the need to be labelled

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Always indicate the item number when ordering.

Simple and particularly flexible installation

Thanks to the use of high-quality special plastics, the new OBO SDB series can satisfy all the requirements for modern small distributors. In addition, it allows simple and particularly flexible installation.

Flexible fastening

The housing can be attached using internal, external or corner fastenings, as required.



Simply plugged-in

Innovative PE/N terminal with
- 1x 25 mm² screw terminal
- 1x 16 mm² screw terminal
- 2x 4 mm² screwless terminals
- 12x 2.5 mm² screwless terminals



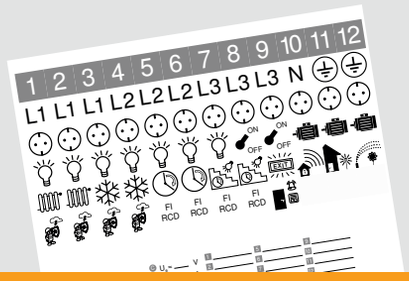
Shock-resistant – in any position

The SDB small distributors from OBO Bettermann are tough customers. OBO has only just added the versatile plastic housing to its range of products. This is characterised by its robustness and reliability. In the tough environment of industrial production, they ensure that power is available at any time.



Always indicate the item number when ordering.

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Practical details

The practical adhesive labelling sheets with self-adhesive pictograms ensure tidy, simple labelling of the installation.



Four sizes

The four sizes with three, five, nine or twelve division units offer flexible installation space for devices on hat rails.



Perfect handling

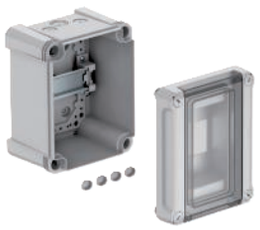
The robust locking contour can be opened and closed easily – perfect for daily use in tough industrial environments.

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Always indicate the item number when ordering.

Distribution box, 3 division units, empty

IP 66 | IK 06 | M20 | M25 | M | 400 V | 650° | VDE



Type	Colour	Dimension LxWxH mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SDB 03L PS	Light grey	150x190x125	1	69.000	**2008820**

PS Polystyrene

Surface-mounted distribution box, with protective insulation for max. 3 division units. There are 3 break-out openings (2x Ø20 and 1x Ø20/25) on both the upper and lower sides incl. pre-mounted 35 mm hat profile support rail. The four screw cover caps supplied prevent unwanted "voltage carry over".

The PS distribution boxes are suitable for mounting in interiors and in protected exteriors.

Distribution box, 5 division units, empty

IP 66 | IK 06 | M20 | M25 | M | 400 V | 650°



Type	Colour	Dimension LxWxH mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SDB 05L PS	Light grey	190x150x125	1	69.500	**2008824**

PS Polystyrene

Surface-mounteddistribution box, with protective insulation for max. 5 division units. There are 5 break-out openings (4x Ø20 and 1x Ø20/25) on both the upper and lower sides incl. pre-mounted 35 mm hat profile support rail. The four screw cover caps supplied prevent unwanted "voltage carry over".

The PS distribution boxes are suitable for mounting in interiors and in protected exteriors.

Distribution box, 9 division units, empty

IP 66 | IK 06 | M20 | M25 | M32 | M | 400 V | 650°



Type	Colour	Dimension LxWxH mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SDB 09L PS	Light grey	240x191x125	1	96.000	**2008828**

PS Polystyrene

Surface-mounted distribution box, with protective insulation for max. 9 division units. There are 9 break-out openings (8x Ø20 and 1x Ø20/25/32) on both the upper and lower sides incl. pre-mounted 35 mm hat profile support rail. The four screw cover caps supplied prevent unwanted "voltage carry over".

The PS distribution boxes are suitable for mounting in interiors and in protected exteriors.

Distribution box, 12 division units, empty

IP 66 | IK 06 | M20 | M25 | M32 | M | 400 V | 650°



Type	Colour	Dimension LxWxH mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SDB 12L PS	Light grey	286x202x125	1	120.000	**2008832**

PS Polystyrene

Surface-mounted distribution box, with protective insulation for max. 12 division units. There are 11 break-out openings (10x Ø20 and 1x Ø20/25/32) on both the upper and lower sides incl. pre-mounted 35 mm hat profile support rail. The four screw cover caps supplied prevent unwanted "voltage carry over".

The PS distribution boxes are suitable for mounting in interiors and in protected exteriors.

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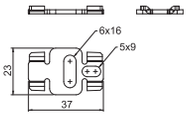
Always indicate the item number when ordering.

External fastening or connection

IP 67 | IK 09 | M20 | M25 | M32 | M40 | 7 | 750 V | 650° | UV RESISTANT | Fluor Chlor Brom FREE | 11

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
AV-S	20	0.900	**2007990**

A2 Stainless steel, rustproof





The convenient external fastening/connection means the cable boxes and distribution boxes of the S and SDB series can be fastened easily to a wall. Because they fasten outside the cable box, the possibility of voltage carry over is ruled out.
These metal connectors can also be used for lining up several boxes together.

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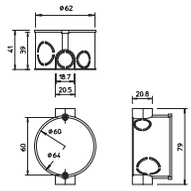
Concealed accessory box

Ø 60

Type	Colour	No. of entries	Pipe Ø	Pack. pcs	Weight kg/100 pcs.	Item No.
UG 60 D	Black	7	20/25 mm	25	1.319	**2003015**

PS Polystyrene

Device socket with torsion-resistant guaranteed standard combination spacing of 71 mm (to DIN 49 073-1) through snap–lock coupling. 7 break-out openings for cables and pipes Ø 20 mm and Ø 25 mm. Combinable for spreading and screw fastening, low-lying plaster brackets, device bolt spacing 60 mm, for screw fastening with 3.2 mm self-tapping screws, with 2 screw bosses without screws, protection rating IP20.





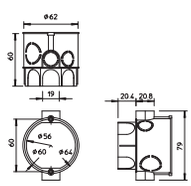
Concealed accessory/connection socket

Ø 60

Type	Colour	No. of entries	Pipe Ø	Pack. pcs	Weight kg/100 pcs.	Item No.
UG 60 VD	Black	13	20/25 mm	25	1.790	**2003019**

PS Polystyrene

Device/connection socket with torsion-resistant guaranteed standard combination spacing of 71 mm (to DIN 49 073-1) through snap–lock coupling. break-out openings for cables and pipes Ø 20 mm and Ø 25 mm. Combinable for spreading and screw fastening, low-lying plaster brackets, device bolt spacing 60 mm, for screw fastening with 3.2 mm self-tapping screws, with 2 screw bosses without screws, protection rating IP20.



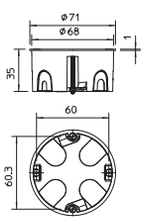


Cavity wall accessory socket, wind-proof

Type	Milling hole Ø mm	Height mm	Ø max.	Entries	Pipe Ø	Pack. pcs	Weight kg/100 pcs.	Item No.
HG 60-35 MW	68	35	68	8	20 mm	25	1.275	**2003603**

PP Polypropylene

Cavity wall device socket, wind-proof version through soft entry membrane. Dimensions to DIN 49073-1, for plate thickness 7–35 mm. Standard combination spacing 71 mm, option for continuous wiring using connection support for combinations between device sockets and device connection sockets, 8 wind-proof insertion membranes for NYM cables, data cables and pipes Ø 20 mm., device sockets can also be used as connection sockets to VDE 0606-1 with double screw fastening and screw-on lid, protection rating .



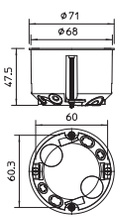


Cavity wall accessory socket, wind-proof

Type	Milling hole Ø mm	Height mm	Ø max.	Entries	Pipe Ø	Pack. pcs	Weight kg/100 pcs.	Item No.
HG 60 MW	68	47	68	8	20 mm	25	2.160	**2003611**

PP Polypropylene

Cavity wall device socket, wind-proof version through soft entry membrane. Dimensions to DIN 49073-1, for plate thickness 7–35 mm. Standard combination spacing 71 mm, option for continuous wiring using connection support for combinations between device sockets and device connection sockets, 8 , device sockets can also be used as connection sockets to VDE 0606-1 with double screw fastening and screw-on lid, protection rating .

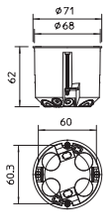




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Cavity wall accessory/connection socket, wind-proof





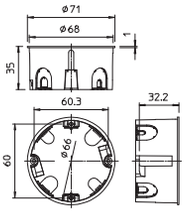
Type	Milling hole Ø mm	Height mm	Ø max.	Entries	Pipe Ø	Pack. pcs	Weight kg/100 pcs.	Item No.
HV 60 MW	68	61	68	8	20 mm	25	2.600	**2003619**

PP Polypropylene

Cavity wall device/connection socket, wind-tight version through soft entry membrane. Dimensions to DIN 49073-1, for plate thickness 7–35 mm. Standard combination spacing 71 mm, option for continuous wiring using connection support for combinations between device sockets and device connection sockets,
8 , device sockets can also be used as connection sockets to VDE 0606-1 with double screw fastening and screw-on lid, protection rating .

Cavity wall accessory socket





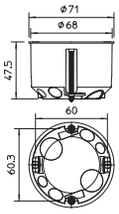
Type	Milling hole Ø mm	Height mm	Ø max.	Entries	Pipe Ø	Pack. pcs	Weight kg/100 pcs.	Item No.
HG 60-35	68	35	68	8	20 mm	25	1.811	**2003426**

PP Polypropylene

Cavity wall device socket. Dimensions to DIN 49073-1, for plate thickness 7–35 mm. Standard combination spacing 71 mm, option for continuous wiring using connection support for combinations between device sockets and device connection sockets, 8 break-out openings for NYM cables, data cables and pipes Ø 20 mm, device sockets can also be used as connection sockets to VDE 0606-1 with double screw fastening and screw-on lid, protection rating .

Cavity wall accessory socket





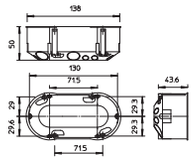
Type	Milling hole Ø mm	Height mm	Ø max.	Entries	Pipe Ø	Pack. pcs	Weight kg/100 pcs.	Item No.
HG 60	68	47	68	8	20 mm	25	2.180	**2003414**

PP Polypropylene

Cavity wall device socket. Dimensions to DIN 49073-1, for plate thickness 7–35 mm. Standard combination spacing 71 mm, option for continuous wiring using connection support for combinations between device sockets and device connection sockets, 8 break-out openings for NYM cables, data cables and pipes Ø 20 mm, device sockets can also be used as connection sockets to VDE 0606-1 with double screw fastening and screw-on lid, protection rating IP30.

Cavity wall, double accessory socket





Type	Milling hole Ø mm	Height mm	Ø max.	Entries	Pipe Ø	Pack. pcs	Weight kg/100 pcs.	Item No.
HG 60 2	68	50	–	–	20 mm	10	4.850	**2003422**

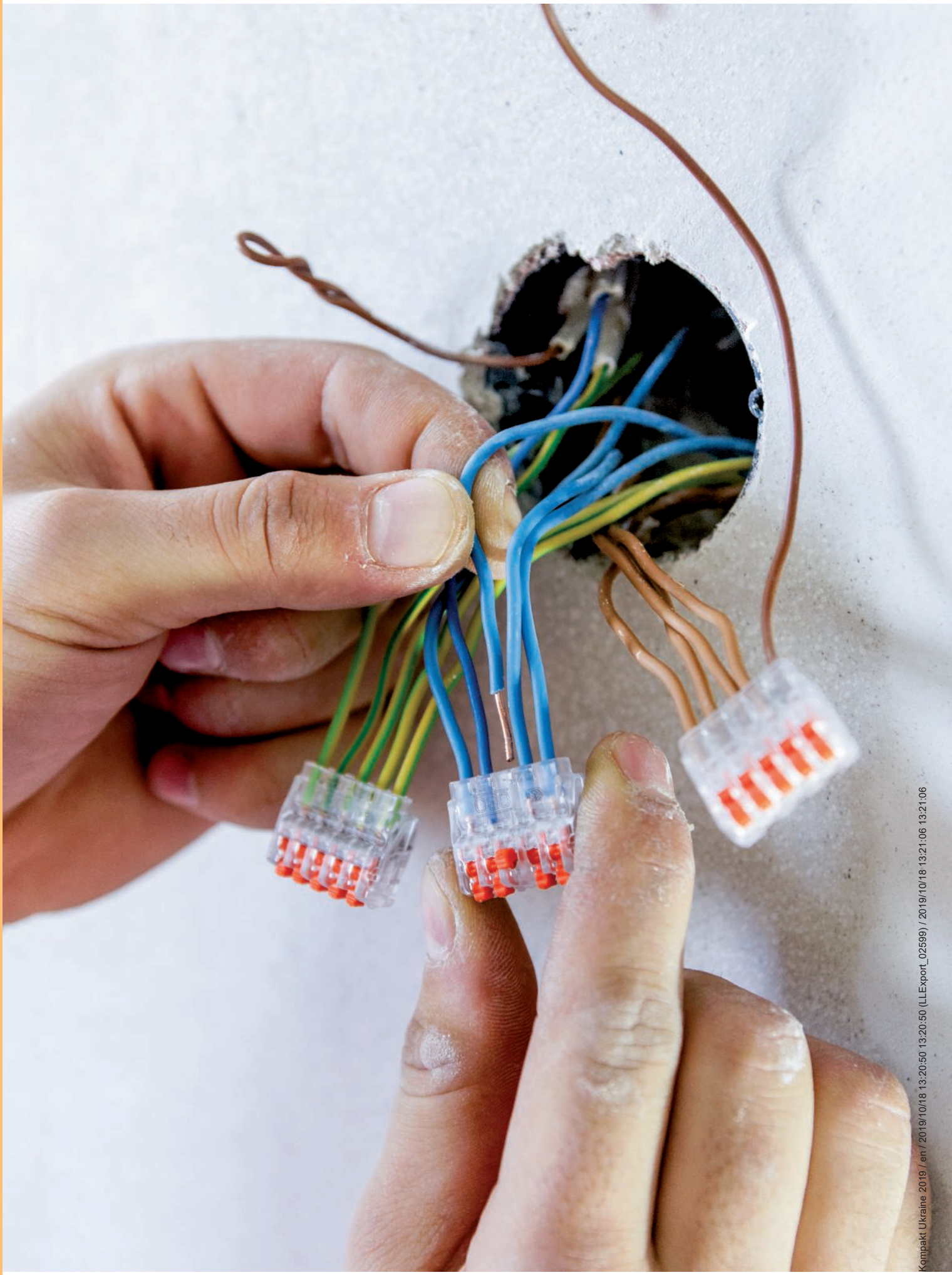
PP Polypropylene

Double device socket, for two service units or one double service units, with four device screws. Dimensions to DIN 49073-1, for plate thickness 7–35 mm. Standard combination spacing 71 mm, break-out openings for NYM cables, data cables and pipes Ø 20 mm, protection rating IP30.

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Always indicate the item number when ordering.

Terminal systems

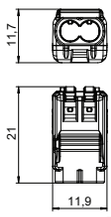


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Always indicate the item number when ordering.

Universal plug-in terminal, 2-pole





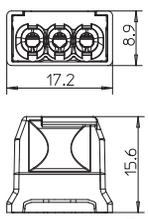
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
61 225 FL	Transparent	100	0.200	**2054450**

PC Polycarbonate

Tested according to EN 60998
Screwless terminal to connect electrical conductors. The type of conductor can either be flexible, multi-wire or rigid.
If rigid conductors are used, an opening of the release lever is not necessary. The conductor can be plugged into the terminal directly.
To extract the conductors, simply open the release lever. The strand can then be easily pulled-out.
Nominal cross-section:
2 x 0.2 - 2.5 mm² multi-wire cables / single-wire conductors
Rated voltage 600 V
Rated current 20 A
Stripping length: 9 mm (+1 mm)
Inspection opening: Phase tester and testing pin (max. Ø 2 mm), very easily accessible on the top side of the terminal
Max. approved ambient temperature according to EN 60998: 85 °C.

Screwless terminals, 3-pole



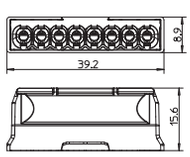


Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
61 325 LGR	Light grey	100	0.135	**2054485**

PA Polyamide

Screwless terminals, 8-pole



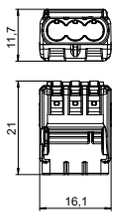


Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
61 825 LGR	Light grey	50	0.490	**2054523**

PA Polyamide

Universal plug-in terminal, 3-pole



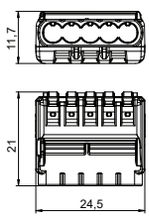


Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
61 325 FL	Transparent	75	0.270	**2054454**

PC Polycarbonate

Universal plug-in terminal, 5-pole



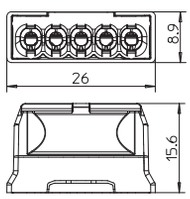


Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
61 525 FL	Transparent	50	0.410	**2054458**

PC Polycarbonate

Screwless terminals, 5-pole





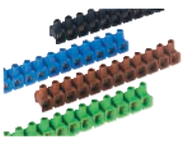
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
61 525 LGR	Light grey	100	0.300	**2054507**

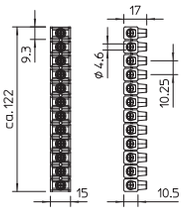
PA Polyamide

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Dolü branch terminals, open on both sides 12 pole

2,5 mm² · 12 · Fluor Chrom halogenfrei · 850°





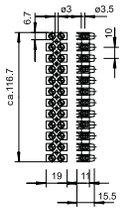
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
70 VDE	(sorted)	10	2.500	**2055023**

PA Polyamide

6 mm² series connectors, polyamide

6 mm² · Fluor Chrom halogenfrei · 850°





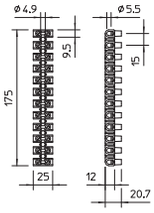
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
74 VDE/EKL 1BEF2	Transparent	10	3.580	**2056143**

PA Polyamide

16 mm² series connectors, polypropylene

16 mm² · Fluor Chrom halogenfrei · 850°





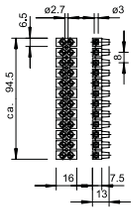
Type	Colour	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
78 CE WS/EKL 3 S	White	100	10	7.500	**2056550**

PP Polypropylene

4 mm² series connector, polyamide

4 mm² · Fluor Chrom halogenfrei · 850°





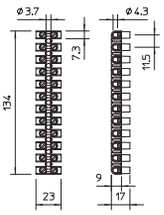
Type	Colour	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
72 VDE/EKL 0E PA	Transparent	500	10	2.000	**2055929**

PA Polyamide

10 mm² series connectors, polypropylene

10 mm² · Fluor Chrom halogenfrei · 850°





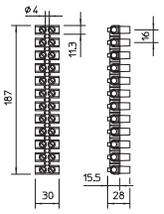
Type	Colour	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
76 CE WS/EKL 2 S	White	100	10	4.300	**2056372**

PP Polypropylene

25 mm² series connectors, polypropylene

25 mm² · Fluor Chrom halogenfrei · 850°





Type	Colour	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
79 CE WS/EKL 4BE	White	50	10	11.200	**2056577**

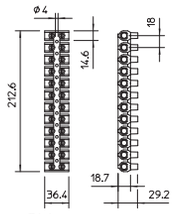
PP Polypropylene

Always indicate the item number when ordering.

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35 mm² series connectors, polypropylene





Type	Colour	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
80 CE WS/EKL 5E	White	50	10	17.400	**2056590**

PP Polypropylene

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Always indicate the item number when ordering.

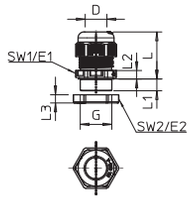
Cable gland systems, plastic



Kompass Schweiz 2019 / en / 2019/10/18 13:20:50 13:20:50 (LLExport_02599) / 2019/10/18 13:21:06 13:21:06

Always indicate the item number when ordering.

Cable gland, metric thread, set with locknut, light grey





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
V-TEC VM12+ LGR	Light grey	50	0.337	**2022762**
V-TEC VM16+ LGR	Light grey	50	0.795	**2022764**
V-TEC VM20+ LGR	Light grey	50	1.106	**2022766**
V-TEC VM25+ LGR	Light grey	25	1.710	**2022768**
V-TEC VM32+ LGR	Light grey	20	2.840	**2022770**
V-TEC VM40+ LGR	Light grey	10	5.150	**2022772**
V-TEC VM50+ LGR	Light grey	5	6.356	**2022774**
V-TEC VM63+ LGR	Light grey	5	10.136	**2022776**

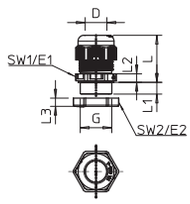
PA Polyamide

The quickest and most convenient way of providing strain relief and tightness with cable glands on junction boxes and housings is with the tried-and-trusted V-TEC VM cable glands from OBO. With the integrated sealing lip and the special OBO slat technology, protection class IP68 is achieved. Strain relief and tightness have been tested to DIN EN 62444.
The connecting threads of the cable glands are metric or PG and are therefore suitable for universal use. Once screwed in place, the installation is there forever, as the optimum thread adjustment with the right pitch ensures permanent resistance to shaking.
Applications: From private housing with junction boxes up to industrial applications in the distributor cabinet.
Temperature range: –20 °C to +65 °C.

Dimensions

Type	Thread	Sealing range D mm	SW 1 mm	Dim. E1 mm	Dim. E2 mm	Dim. L min. mm	Dim. L max. mm	Dim. L1 mm	Dim. L2 mm	Dimension L3 mm	Installation torque Nm
V-TEC VM12+ LGR	M12 x 1,5	3.5 - 7	15	16.5	19	18.5	23.5	8	5	5	2
V-TEC VM16+ LGR	M16 x 1,5	4.5 - 10	20	22	25	21.5	23.5	8	5	5	2
V-TEC VM20+ LGR	M20 x 1,5	6 - 13	24	27	27	23.5	30.5	9	5	6	3.8
V-TEC VM25+ LGR	M25 x 1,5	9 - 17	29	32	36	26	35	10	6	6.5	5
V-TEC VM32+ LGR	M32 x 1,5	15 - 21	36	41	46	29	40	11	6	7	7.5
V-TEC VM40+ LGR	M40 x 1,5	16 - 28	44	50	56	36	46	11	7	7.5	10
V-TEC VM50+ LGR	M50 x 1,5	23 - 35	54	60	68	43	52	12	8	8	12
V-TEC VM63+ LGR	M63 x 1,5	36 - 48	68	75	83	48	60	12	9	8.5	15

Cable gland, PG thread, set with locknut, light grey





Type	Thread	Colour	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
V-TEC PG7+ LGR	Pg 7	Light grey	600	50	0.503	**2024655**
V-TEC PG9+ LGR	Pg 9	Light grey	500	50	0.799	**2024657**
V-TEC PG11+ LGR	Pg 11	Light grey	500	50	1.074	**2024659**
V-TEC PG13,5+LGR	Pg 13,5	Light grey	400	50	1.276	**2024661**
V-TEC PG16+ LGR	Pg 16	Light grey	250	25	1.705	**2024663**
V-TEC PG21+ LGR	Pg 21	Light grey	300	25	2.756	**2024665**
V-TEC PG29+ LGR	Pg 29	Light grey	240	20	5.120	**2024667**
V-TEC PG36+ LGR	Pg 36	Light grey	120	10	7.713	**2024669**
V-TEC PG42+ LGR	Pg 42	Light grey	60	5	9.406	**2024671**
V-TEC PG48+ LGR	Pg 48	Light grey	60	5	11.290	**2024673**

PA Polyamide

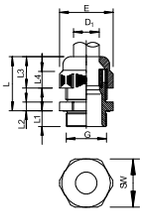
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Temperature range: –20 °C to +65 °C.

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Cap nut cable gland, EX area

Cable gland, EX area, metric thread





IP 68 | M

Type	Thread	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
VTEC EX M12 SW	M12 x 1,5	Black	50	0.360	**2050307**
VTEC EX M16 SW	M16 x 1,5	Black	50	0.630	**2050315**
VTEC EX M20 SW	M20 x 1,5	Black	50	1.000	**2050323**
VTEC EX M25 SW	M25 x 1,5	Black	25	2.350	**2050331**
VTEC EX M32 SW	M32 x 1,5	Black	20	3.900	**2050358**
VTEC EX M40 SW	M40 x 1,5	Black	10	7.500	**2050366**
VTEC EX M50 SW	M50 x 1,5	Black	5	9.200	**2050374**
VTEC EX M63 SW	M63 x 1,5	Black	5	9.460	**2050382**

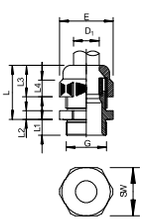
PA Polyamide

Dimensions

G	D1 mm	WAF mm	E mm	L min. mm	L max. mm	L1 mm	L2 mm	L3 mm
M12 x 1.5	3.5 - 6.5	15	16.5	18	23	8	5	12.6
M16 x 1.5	5 - 8	19	21	21	27	8	5	15.5
M20 x 1.5	7 - 12	24	27	23	30	9	5	18
M25 x 1.5	12 - 18	33	37.5	28	38	11	6	22
M32 x 1.5	17 - 25	42	47.5	32	43	11	7	24.5
M40 x 1.5	21 - 32	53	60	39	54	13	8	31
M50 x 1.5	24 - 37	60	68.5	42	57	13	9	32.5
M63 x 1.5	30 - 44	65	74	42	58	14	9	33

Cable gland, EX area, PG thread





IP 68 | Pg | 750°

Type	Thread	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
VTEC EX PG7 SW	Pg 7	Black	50	0.410	**2050005**
VTEC EX PG9 SW	Pg 9	Black	50	0.630	**2050013**
VTEC EX PG11 SW	Pg 11	Black	50	0.890	**2050021**
VTEC EX PG13.5SW	Pg 13,5	Black	50	1.020	**2050048**
VTEC EX PG16 SW	Pg 16	Black	25	1.380	**2050056**
VTEC EX PG21 SW	Pg 21	Black	25	2.290	**2050064**
VTEC EX PG29 SW	Pg 29	Black	20	4.020	**2050072**
VTEC EX PG36 SW	Pg 36	Black	10	6.030	**2050080**
VTEC EX PG42 SW	Pg 42	Black	5	7.650	**2050099**
VTEC EX PG48 SW	Pg 48	Black	5	9.460	**2050102**

PA Polyamide

Dimensions

G	D1 mm	WAF mm	E mm	L min. mm	L max. mm	L1 mm	L2 mm	L3 mm
Pg 7	3.5 - 6.5	15	16.5	18	23	8	5	12.6
Pg 9	5 - 8	19	21	21	27	8	5	17
Pg 11	4.5 - 10	22	25	22	29	8	5	17
Pg 13.5	6.5 - 12	24	27	23	30	9	5	18
Pg 16	7 - 14	27	30	25	33	10	6	19
Pg 21	12 - 18	33	37.5	28	38	11	6	22
Pg 29	17 - 25	42	47.5	32	43	11	7	24.5
Pg 36	21 - 32	53	60	39	54	13	8	31
Pg 42	24 - 38	60	68.5	42	57	13	9	32.5
Pg 48	30 - 44	65	74	42	58	14	9	33

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Always indicate the item number when ordering.

Cable/pipe fastening systems, plastic

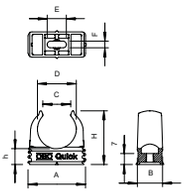


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Always indicate the item number when ordering.

Quick clip

M





Type	Nominal size	Colour	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
2955 M16	M16	Light grey	1200	100	0.252	**2149004**
2955 M20	M20	Light grey	1200	100	0.325	**2149010**
2955 M25	M25	Light grey	1200	100	0.430	**2149016**
2955 M32	M32	Light grey	600	50	0.630	**2149022**
2955 M40	M40	Light grey	600	50	0.835	**2149028**
2955 M50	M50	Light grey	300	25	1.454	**2149034**
2955 M63	M63	Light grey	240	20	2.203	**2149040**

PP Polypropylene

OBO Quick clip, type 2955/...: for all metric steel armoured pipes, as well as light-duty and heavy-duty metric insulation pipes. Suitable for mounting the OBO Quick pipe.
Pipe centring aids allow optimal attachment of the pipe and automatically turn the clip into the correct position.
Universal fastening option; can be arranged with the OBO Multi-quick and starQuick clip.
Slot for side alignment during mounting with wood screw or knock-in anchor.
Size M16-M32 can be screwed onto an M6 thread.
Recommended fastening spacing 50–60 cm, for max. extraction values F at a room temperature of 20 °C, see the table.

Dimensions

Type	Nominal size	Dimension A mm	Dimension B mm	Dimension C mm	Dimension D mm	Dimension E mm	Dimension F mm	Dimension H mm	Dimension h mm	Pull-out value N
2955 M16	M16	25.3	16	11,5	15.5	7	4.2	25	10	75
2955 M20	M20	30.3	16	14	19.4	9	4.2	29.5	10	90
2955 M25	M25	36.3	16	17,5	24.3	12	4.2	34	10	100
2955 M32	M32	46.3	16	22,4	31.4	12	4.2	42	11	120
2955 M40	M40	57.3	16	26	39.2	11	4.6	51	12	140
2955 M50	M50	70.3	18	32	49	12	6	63	14	165
2955 M63	M63	87.3	20	43	61.5	12	6	74.5	15	230

Multi-Quick clip

Pg



Type	Clamping range D mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
M-Quick 15-19LGR	15 - 19	Light grey	100	0.545	**2153106**
M-Quick 18-22LGR	18.5 - 22.5	Light grey	100	0.760	**2153114**
M-Quick 25-28LGR	25 - 28.5	Light grey	50	1.170	**2153130**
M-Quick 31-37LGR	31 - 37	Light grey	25	1.780	**2153157**

PA Polyamide

PG and metric
Simple fastening
Secure locking
Radial arrangement
Simplified storage
Clamping ranges from 15-37 mm
Universally applicable
Fastening in rail type CL2008

Type	Clamping range D mm	Dimension B mm	Dimension H mm	Dimension L mm	Dim. L1 mm	Pull-out value N
M-Quick 15-19LGR	15 - 19	27.5	32	8	12	40
M-Quick 18-22LGR	18.5 - 22.5	33	37	9	13	50
M-Quick 25-28LGR	25 - 28.5	43	46	12	16	60
M-Quick 31-37LGR	31 - 37	55	58	14	18	65

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Always indicate the item number when ordering.

Multi-Quick clip, metric



Type	Clamping range D mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
M-Quick M20 LGR	16 - 20	Light grey	100	0.600	**2153718**
M-Quick M25 LGR	20 - 25	Light grey	50	0.930	**2153726**
M-Quick M32 LGR	25 - 32	Light grey	50	1.390	**2153734**

PA Polyamide

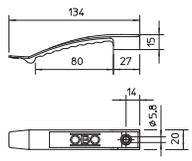
- Multi-quick metric
- Simple fastening
- Secure locking
- Radial arrangement
- Simplified storage
- Universally applicable

Type	Clamping range D mm	Dimension B mm	Dimension H mm	Dimension L mm	Dim. L1 mm	Pull-out value N
M-Quick M20 LGR	16 - 20	27.5	32	8	12	40
M-Quick M25 LGR	20 - 25	33	37	9	13	50
M-Quick M32 LGR	25 - 32	43	46	12	16	60

Pressure clip

Pressure clip for 8 cables





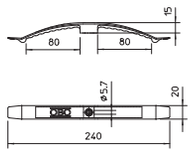
Type	No. of conductors NYM 3 x 1.5	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
2032	8	Light grey	50	1.371	**2205017**

PA Polyamide

Standard version for general use, e.g. on intermediate ceilings and partition walls.
Clamping height 9 mm – with spacer 13 mm.
Fastening hole: 6 mm Ø.

Pressure clip for 16 cables





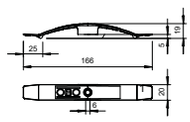
Type	No. of conductors NYM 3 x 1.5	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
2033	16	Light grey	25	2.077	**2205033**

PA Polyamide

Standard version for general use, e.g. on intermediate ceilings and partition walls.
Clamping height 9 mm – with spacer 13 mm.
Fastening hole: 6 mm Ø.

Pressure clip for 10 cables





Type	No. of conductors NYM 3 x 1.5	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
2034	10	Light grey	50	1.169	**2205041**

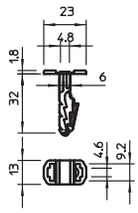
PA Polyamide

Standard version for general use, e.g. on intermediate ceilings and partition walls.
Clamping height 9 mm – with spacer 13 mm.
Fastening hole: 6 mm Ø.

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Push-fit anchors for cable ties





Type	Bore hole depth mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
910 STK 6x30	35	Light grey	100	0.108	**2351609**

PA Polyamide

The push-fit anchor can accept a cable tie (type 550 or 555) up to 9 mm wide, which can be used to install several cables and pipes.
Suitable for concrete, lime sand and brickwork as solid brick. Use in gas concrete masonry is possible, but reduced load capacities must be expected.

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Cable/pipe fastening systems, metal



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Always indicate the item number when ordering.

Grip cable tidy, metal

- Ingenious design means both wall and ceiling mounting are possible
- Easy cable insertion
- Extremely sturdy click-in connector means retroinstalling cables is no problem
- UL-tested quality
- Also available in stainless steel qualities A2 and A4
- Tested for the maintenance of electrical functionality
- Halogen and fire load-free



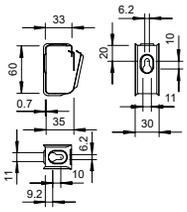
GRIP M 30

The movable closing strap means that the Grip cable tidy can be opened and closed again and again with just the application of light pressure. This means that you can remove a cable easily and at any time from fixed wall and ceiling installations, or also install a new cable at a later date.

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GRIP "M" 15





Type	No. of conductors NYM 3 x 1.5	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
2031 M 15 FS	15	50	50	3.700	**2207028**

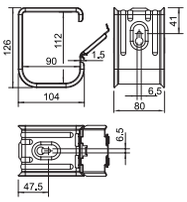
St Steel

FS Strip-galvanised

Metal cable tidy for high mechanical stability, even in case of fire. Suitable for safe mounting above fire protection ceilings. Also approved as a cable-specific variant for the maintenance of electrical function to DIN 4102 part 12. For wall and ceiling mounting. Lock can be opened without tools. Detailed information on the approved routing variants can be found in the appropriate testing documentation.

GRIP "M" 70





Type	No. of conductors NYM 3 x 1.5	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
2031 M 70 FS	70	10	10	34.500	**2207060**

St Steel

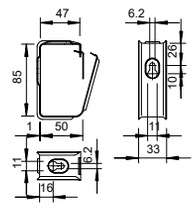
FS Strip-galvanised

Metal cable tidy for high mechanical stability, even in case of fire. Suitable for safe mounting above fire protection ceilings. Also approved as a cable-specific variant for the maintenance of electrical function to DIN 4102 part 12. For wall and ceiling mounting. Lock can be opened without tools. Detailed information on the approved routing variants can be found in the appropriate testing documentation.

Grip, cable tidy

GRIP "M" 30





Type	No. of conductors NYM 3 x 1.5	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
2031 M 30 FS	30	25	25	6.200	**2207036**

St Steel

FS Strip-galvanised

Metal cable tidy for high mechanical stability, even in case of fire. Suitable for safe mounting above fire protection ceilings. Also approved as a cable-specific variant for the maintenance of electrical function to DIN 4102 part 12. For wall and ceiling mounting. Lock can be opened without tools. Detailed information on the approved routing variants can be found in the appropriate testing documentation.

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Cable and pipe spacer clip 732 with threaded connection

E30 E90

Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
732 6 GTP	5 - 6	100	1.160	**1360051**
732 8 GTP	7 - 8	100	1.310	**1360086**
732 10 GTP	9 - 10	100	1.360	**1360108**
732 12 GTP	10.5 - 12	100	1.460	**1360124**
732 14 GTP	12.5 - 14	100	1.480	**1360140**
732 15 GTP	13.5 - 15	100	1.530	**1360159**
732 16 GTP	14.5 - 16	100	1.590	**1360167**
732 18 GTP	16.5 - 18	100	1.620	**1360183**
732 20 GTP	18.5 - 20	50	1.730	**1360205**
732 22 GTP	20 - 22	50	1.780	**1360221**
732 24 GTP	22 - 24	50	1.840	**1360248**
732 26 GTP	24 - 26	50	1.920	**1360264**
732 28 GTP	26 - 28	50	2.840	**1360280**
732 30 GTP	28 - 30	50	3.040	**1360302**
732 33 GTP	31 - 33	25	3.120	**1360337**
732 35 GTP	33 - 35	25	3.280	**1360353**
732 38 GTP	36 - 38	25	3.490	**1360388**
732 40 GTP	38 - 40	25	3.600	**1360396**
732 42 GTP	40 - 42	25	3.840	**1360426**
732 45 GTP	43 - 45	25	3.990	**1360450**
732 48 GTP	46 - 48	25	4.040	**1360485**
732 50 GTP	48 - 50	25	4.160	**1360507**
732 60 GTP	58 - 60	25	4.960	**1360604**
732 63 GTP	61 - 63	25	5.000	**1360639**



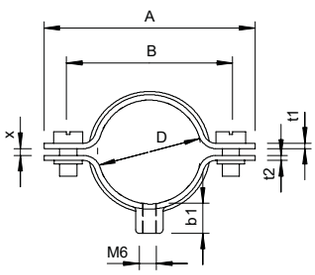
St Steel

GTP Electrogalvanised, transparently passivated

Mounting with screw-in spacer clips. Spacer clips and screw-in spacer clips are available in various materials: in V2A stainless steel, in electrogalvanised, hot-dip galvanised steel or in aluminium. Fastening can take place with bolt ties or angler anchors and Sprint screws. Depending on the design, the clips can be "shot" using a bolt-firing tool or nail device.

Dimensions

Type	Clamping range D mm	Dimension A mm	Dimension B mm	Dimension x mm	Dimension b1 mm	Dimension t1 mm	Dimension t2 mm	Bolt
732 6 GTP	5 - 6	35	23	1	8	1	1.25	M5 x 10
732 8 GTP	7 - 8	34	22	1	8	1	1.25	M5 x 10
732 10 GTP	9 - 10	36	24	1	8	1	1.25	M5 x 12
732 12 GTP	10.5 - 12	38	26	1.5	8	1	1.25	M5 x 12
732 14 GTP	12.5 - 14	40	28	1.5	8	1	1.25	M5 x 12
732 15 GTP	13.5 - 15	41	29	1.5	8	1	1.25	M5 x 12
732 16 GTP	14.5 - 16	42	30	1.5	8	1	1.25	M5 x 12
732 18 GTP	16.5 - 18	44	32	1.5	8	1	1.25	M5 x 12
732 20 GTP	18.5 - 20	46	34	1.5	8	1	1.25	M5 x 12
732 22 GTP	20 - 22	48	36	2	8	1	1.25	M5 x 12
732 24 GTP	22 - 24	50	38	2	8	1	1.25	M5 x 12
732 26 GTP	24 - 26	52	40	2	8.5	1	1.25	M5 x 12
732 28 GTP	26 - 28	59	45	2	8.5	1.5	1.5	M5 x 12
732 30 GTP	28 - 30	61	47	2	8.5	1.5	1.5	M5 x 12
732 33 GTP	31 - 33	64	50	2	8.5	1.5	1.5	M5 x 12
732 35 GTP	33 - 35	66	52	2	8.5	1.5	1.5	M5 x 12
732 38 GTP	36 - 38	69	55	2	8.5	1.5	1.5	M5 x 12
732 40 GTP	38 - 40	71	57	2	8.5	1.5	1.5	M5 x 12
732 42 GTP	40 - 42	73	59	2	8.5	1.5	1.5	M5 x 12
732 45 GTP	43 - 45	76	62	2	8.5	1.5	1.5	M5 x 12
732 48 GTP	46 - 48	79	65	2	8.5	1.5	1.5	M5 x 12
732 50 GTP	48 - 50	81	67	2	8.5	1.5	1.5	M5 x 14
732 60 GTP	58 - 60	91	77	2	8.5	1.5	1.5	M5 x 14
732 63 GTP	61 - 63	94	80	2	9.2	1.5	1.5	M5 x 14



Always indicate the item number when ordering.

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Cable and pipe spacer clip 733



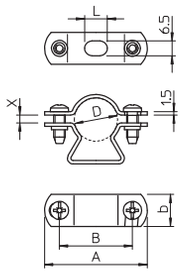
Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
733 13 G	11 - 13	50	2.310	**1361139**
733 16 G	14 - 16	50	2.430	**1361163**
733 19 G	17 - 19	50	2.500	**1361198**
733 21 G	19 - 21	50	2.730	**1361201**
733 23 G	21 - 23	50	2.870	**1361236**
733 29 G	24 - 29	50	3.480	**1361295**
733 38 G	30 - 38	25	4.040	**1361384**
733 48 G	39 - 48	25	4.810	**1361481**
733 54 G	48 - 54	25	5.800	**1361511**
733 61 G	53 - 61	20	6.370	**1361619**
733 63 G	63	20	6.940	**1361635**

St Steel

G Electrogalvanised

* Size M16 is not suitable for nail device
* Sizes M16 - PG16 are not suitable for bolt-firing tool

Dimensions

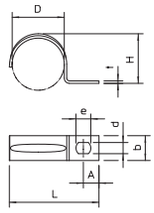


Type	Clamping range D mm	Dimension A mm	Dimension B mm	Dimension L mm	Dimension b mm	Dimension x mm	Bolt
733 13 G	11 - 13	39	26	10	14	11.25	M5 x 12
733 16 G	14 - 16	43	30	10	14	11	M5 x 14
733 19 G	17 - 19	45	32	10	14	10.25	M5 x 14
733 21 G	19 - 21	50	37	10	14	9	M5 x 14
733 23 G	21 - 23	52	39	10	14	9.25	M5 x 14
733 29 G	24 - 29	58	42	10	16	11	M5 x 18
733 38 G	30 - 38	70	54	10	16	11.5	M5 x 18
733 48 G	39 - 48	80	64	14	16	13.25	M5 x 18
733 54 G	48 - 54	86	68	14	18	11.75	M5 x 18
733 61 G	53 - 61	96	78	14	18	12.5	M5 x 18
733 63 G	63	101	83	18	16	3	M5 x 18

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Always indicate the item number when ordering.

Fastening clip 604, light-duty





Type	For Ø mm	Hole size mm	Material thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
604 3 G	3	4,5 x 6	0.7	100	0.052	**1003038**
604 4 G	4	4,5 x 6	0.7	100	0.067	**1003046**
604 5 G	5	4,5 x 6	0.7	100	0.084	**1003054**
604 6 G	6	4,5 x 6	0.7	100	0.099	**1003062**
604 7 G	7	4,5 x 6	0.7	100	0.120	**1003070**
604 8 G	8	4,5 x 6	0.7	100	0.123	**1003089**
604 9 G	9	4,5 x 6	0.7	100	0.139	**1003097**
604 10 G	10	4,5 x 6	0.7	100	0.150	**1003100**
604 11 G	11	4,5 x 6	1	100	0.270	**1003119**
604 12 G	12	4,5 x 6	0.7	100	0.240	**1003127**
604 13 G	13	4,5 x 6	1	100	0.280	**1003135**
604 16 G	16	4,5 x 6	1	100	0.348	**1003178**
604 19 G	19	4,5 x 6	1	100	0.411	**1003194**
604 20 G	20	4,5 x 6	1	100	0.431	**1003208**
604 21 G	21	4,5 x 6	1	100	0.447	**1003216**
604 23 G	23	4,5 x 6	1	100	0.490	**1003232**
604 25 G	25	4,5 x 6	1	100	0.900	**1003259**
604 28 G	28	4,5 x 6	1	100	0.874	**1003283**
604 32 G	32	4,5 x 6	1	100	1.462	**1003321**
604 35 G	35	5,5 x 7	1.5	100	1.355	**1003356**
604 37 G	37	5,5 x 7	1.5	100	1.567	**1003372**
604 40 G	40	5,5 x 7	1.5	100	1.860	**1003402**
604 47 G	47	5,5 x 7	1.5	50	2.484	**1003461**

St Steel

G Electrogalvanised

Single-lobe fastening clip for cables and pipes.
* Sizes 3 and 4 are not suitable for nail device
* Sizes 3 to 21 are not suitable for bolt-firing tool

Dimensions

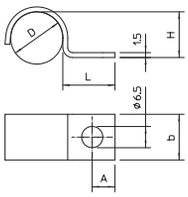
D mm	L mm	H mm	b mm	t mm	d mm	e mm	A mm
3	12	2.4	7	0.7	4.5	6	4
4	14	3.3	7	0.7	4.5	6	4
5	16.5	4.5	7	0.7	4.5	6	5
6	17.5	5.2	8	0.7	4.5	6	5
7	19.5	6.5	8	0.7	4.5	6	5
8	21	7	8	0.7	4.5	6	5.5
9	21.5	8	8	0.7	4.5	6	5.75
10	22	9	8	0.7	4.5	6	5
11	24	10	10	1	4.5	6	5.5
12	27	11	10	0.7	4.5	6	6.5
13	27	11.5	10	1	4.5	6	6
16	31	14.5	10	1	4.5	6	6.5
19	33	17	10	1	4.5	6	6.5
20	35	18	10	1	4.5	6	6.3
21	36	19	10	1	4.5	6	6.3
23	39	21.5	10	1	4.5	6	7
25	41.3	23	15	1	4.5	6	7
28	45	24.8	15	1	4.5	6	7
32	48.8	30	15	1.5	5.5	7	8
35	54	30	14	1.5	5.5	7	8.75
37	56	34	14	1.5	5.5	7	7.5
40	63	38	14	1.5	5.5	7	10.5
47	69	43.8	14	1.5	5.5	7	10

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Always indicate the item number when ordering.

Fastening clip 1015, medium-duty





Type	For Ø mm	Hole size mm	Material thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
1015 5 G	5	6,5	1.5	100	0.325	**1009028**
1015 6 G	6	6,5	1.5	100	0.385	**1009036**
1015 7 G	7	6,5	1.5	100	0.418	**1009044**
1015 8 G	8	6,5	1.5	100	0.428	**1009052**
1015 9 G	9	6,5	1.5	100	0.468	**1009060**
1015 10 G	10	6,5	1.5	100	0.560	**1009079**
1015 11 G	11	6,5	1.5	100	0.632	**1009087**
1015 12 G	12	6,5	1.5	100	0.672	**1009109**
1015 13 G	13	6,5	1.5	100	0.683	**1009117**
1015 14 G	14	6,5	1.5	100	0.710	**1009168**
1015 15 G	15	6,5	1.5	100	0.744	**1009184**
1015 16 G	16	6,5	1.5	100	0.753	**1009192**
1015 17 G	17	6,5	1.5	100	0.764	**1009206**
1015 18 G	18	6,5	1.5	100	0.835	**1009214**

St Steel

G Electrogalvanised

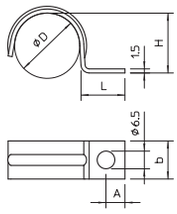
Single-lobe fastening clip for cables and pipes with

Dimensions

D mm	L mm	H mm	b mm	A mm
5	16	4	12	7
6	16	5	12	7
7	16	6	12	7
8	16	7	12	7
9	16	8	12	7
10	16	9	12	7
11	16	10	14	7
12	16	11	14	7
13	16	12	14	7
14	16	12.5	14	7
15	16	13.5	14	7
16	16	14	14	7
17	16	15	14	7
18	16	16	14	7

Fastening clip 1015, medium-duty





Type	For Ø mm	Hole size mm	Material thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
1015 20 G	20	6,5	1.5	100	0.921	**1009230**
1015 25 G	25	6,5	1.5	100	1.150	**1009427**
1015 28 G	28	6,5	1.5	100	1.250	**1009362**

St Steel

G Electrogalvanised

Single-lobe fastening clip for cables and pipes.
Beading from size 20.

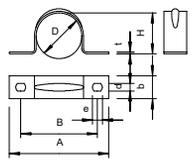
Dimensions

D mm	L mm	H mm	b mm	A mm
20	16	18	14	7
25	16	22.5	14	7
28	16	25	14	7

Always indicate the item number when ordering.

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Fastening clip 605, medium-duty





Type	For Ø mm	Hole size mm	Material thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
605 8 G	8	4,5 x 6	1	100	0.203	**1018086**
605 12 G	12	4,5 x 6	1	100	0.485	**1018124**
605 13 G	13	4,5 x 6	1	100	0.532	**1018132**
605 16 G	16	4,5 x 6	1	100	0.585	**1018167**
605 17 G	17	4,5 x 6	1	100	0.604	**1018175**
605 20 G	20	4,5 x 6	1	100	0.664	**1018205**
605 21 G	21	4,5 x 6	1	100	0.678	**1018213**
605 23 G	23	4,5 x 6	1	100	0.826	**1018221**
605 25 G	25	4,5 x 6	1	100	0.960	**1018256**
605 26 G	26	4,5 x 6	1	100	0.975	**1018264**
605 28 G	28	4,5 x 6	1	100	1.067	**1018280**
605 30 G	30	4,5 x 6	1	100	1.150	**1018302**
605 32 G	32	4,5 x 6	1	100	1.260	**1018337**
605 35 G	35	5,5 x 7	1.5	100	1.921	**1018353**
605 37 G	37	5,5 x 7	1.5	100	2.007	**1018361**

St Steel

G Electrogalvanised

Two lobe fastening clips for cables and pipes.
* Sizes 7 to 12 not suitable for bolt-firing tool.

Dimensions

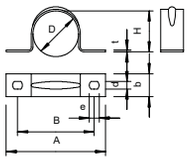
D mm	A mm	B mm	H mm	b mm	t mm	d mm	e mm
8	33	22	7	10	1	4.5	6
12	39	27	11	12	1	4.5	6
13	41	29	12	12	1	4.5	6
16	44	32	14.5	12	1	4.5	6
17	45	33	15.5	12	1	4.5	6
20	49	37	18.5	12	1	4.5	6
21	50	38	19.5	12	1	4.5	6
23	52	40	21	12	1	4.5	6
25	58	44	23	14	1	4.5	6
26	59	45	24	14	1	4.5	6
28	61	47	26	14	1	4.5	6
30	63	49	28	14	1	4.5	6
33	66	52	30	14	1	4.5	6
35	70	56	32	14	1.5	5.5	7
37	72	58	34	14	1.5	5.5	7

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Always indicate the item number when ordering.

Fastening clip 605, medium-duty





Type	For Ø mm	Hole size mm	Material thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
605 40 G	40	5,5 x 7	1.5	50	1.900	**1018396**
605 43 G	43	5,5 x 7	1.5	50	2.324	**1018434**
605 47 G	47	5,5 x 7	1.5	50	2.366	**1018477**
605 50 G	50	5,5 x 7	1.5	25	2.770	**1018507**
605 60 G	60	5,5 x 7	1.5	25	3.800	**1018604**
605 63 G	63	5,5 x 7	1.5	25	3.670	**1018639**

St Steel

G Electrogalvanised

Two lobe fastening clips for cables and pipes.
* Sizes 7 to 12 not suitable for bolt-firing tool.

Dimensions

D mm	A mm	B mm	H mm	b mm	t mm	d mm	e mm
40	75	61	37	14	1.5	5.5	7
43	78	64	40	14	1.5	5.5	7
47	82	68	44	14	1.5	5.5	7
50	88	74	46	16	1.5	5.5	7
60	99	83	56	16	1.5	5.5	7
63	112	98	59	16	1.5	5.5	7

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Always indicate the item number when ordering.

Jack of all trades

Bundling cables

Suspend
and secure

Mounting
and fastening



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Always indicate the item number when ordering.

Cable tie, white

Type	Dimension B mm	Dimension L mm	Dimension t mm	Tensile strength N	Max. bundle Ø mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
565 3.6x290 WS	3.6	290	1.4	180	82	White	100	0.140	**2331842**
565 3.6x365 WS	3.6	365	1.4	180	105	White	100	0.183	**2331848**
565 4.8x120 WS	4.8	120	1.5	220	27	White	100	0.089	**2331860**
565 4.8x160 WS	4.8	160	1.6	220	39	White	100	0.120	**2331866**
565 4.8x200 WS	4.8	200	1.6	220	52	White	100	0.149	**2331872**
565 4.8x300 WS	4.8	300	1.5	220	83	White	100	0.201	**2331878**
565 4.8x365 WS	4.8	365	1.5	220	105	White	100	0.251	**2331884**
565 4.8x430 WS	4.8	430	1.5	220	125	White	100	0.288	**2331890**
565 7.6x200 WS	7.6	200	1.8	530	52	White	100	0.287	**2331910**
565 7.6x300 WS	7.6	300	1.6	530	80	White	100	0.334	**2331916**
565 7.6x380 WS	7.6	380	1.8	530	105	White	100	0.533	**2331922**
565 7.6x450 WS	7.6	450	2	530	128	White	100	0.717	**2331934**
565 9x760 WS	9	760	2	800	227	White	100	1.311	**2331944**



PA Polyamide

Cable ties are used for quick, uncomplicated fixing or bundling of cables and pipes to cable support systems or other mounting structures.

Cable tie, black, UV and weather-resistant

UV RESISTANT

Type	Dimension B mm	Dimension L mm	Dimension t mm	Tensile strength N	Max. bundle Ø mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
565 2.5x75 SWUV	2.5	75	1	80	15	Black	100	0.020	**2331802**
565 2.5x100 SWUV	2.5	100	1	80	22	Black	100	0.025	**2331812**
565 2.5x150 SWUV	2.5	150	1.3	80	39	Black	100	0.047	**2331818**
565 2.5x200 SWUV	2.5	200	1.3	80	55	Black	100	0.062	**2331824**
565 3.6x150 SWUV	3.6	150	1.4	180	36	Black	100	0.070	**2331832**
565 3.6x200 SWUV	3.6	200	1.4	180	52	Black	100	0.104	**2331838**
565 3.6x290 SWUV	3.6	290	1.4	180	82	Black	100	0.140	**2331844**
565 3.6x365 SWUV	3.6	365	1.4	180	105	Black	100	0.183	**2331850**
565 4.8x120 SWUV	4.8	120	1.5	220	27	Black	100	0.089	**2331862**
565 4.8x160 SWUV	4.8	160	1.6	220	39	Black	100	0.120	**2331868**
565 4.8x200 SWUV	4.8	200	1.6	220	52	Black	100	0.149	**2331874**
565 4.8x300 SWUV	4.8	300	1.5	220	83	Black	100	0.201	**2331880**
565 4.8x365 SWUV	4.8	365	1.5	220	105	Black	100	0.251	**2331886**
565 4.8x430 SWUV	4.8	430	1.5	220	125	Black	100	0.288	**2331892**
565 7.6x200 SWUV	7.6	200	1.8	530	52	Black	100	0.287	**2331912**
565 7.6x300 SWUV	7.6	300	1.6	530	80	Black	100	0.334	**2331918**
565 7.6x380 SWUV	7.6	380	1.8	530	105	Black	100	0.533	**2331924**
565 7.6x450 SWUV	7.6	450	2	530	128	Black	100	0.717	**2331936**
565 9x760 SWUV	9	760	2	800	227	Black	100	1.311	**2331946**

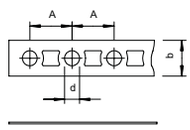


PA Polyamide

Cable ties are used for quick, uncomplicated fixing or bundling of cables and pipes to cable support systems or other mounting structures.

Perforated steel strap

Type	Dimension mm	Dimension d mm	Dimension A mm	per roll m	Pack. pcs	Weight kg/100 pcs.	Item No.
5055 II17 FS	17 x 1	6.5	20	10	1	106.000	**1470175**





St Steel

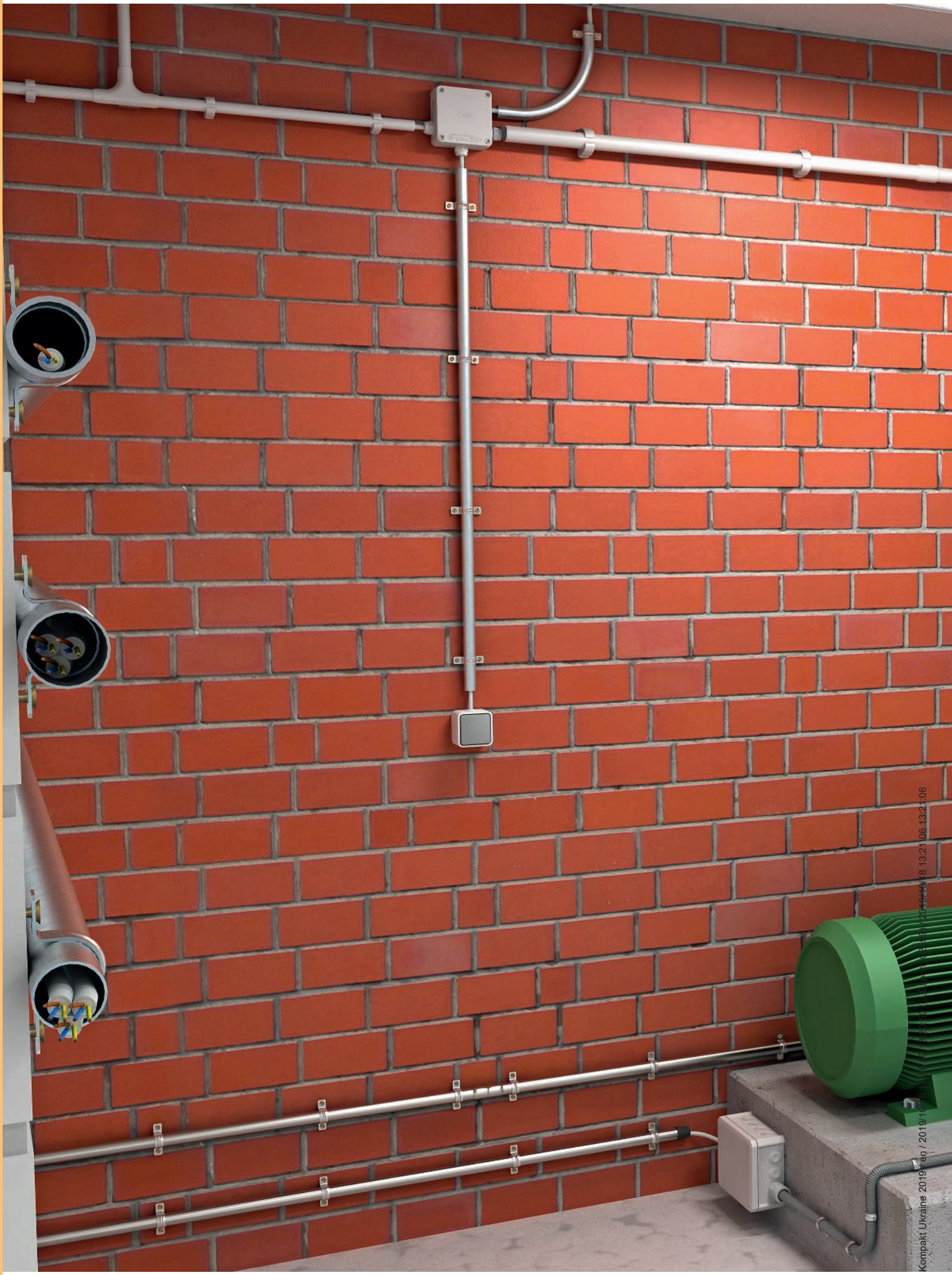
FS Strip-galvanised

Perforated steel strap, in practical uncoiling box.

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Always indicate the item number when ordering.

Pipe systems



Always indicate the item number when ordering.

IEC classification in accordance with DIN EN 61386-1

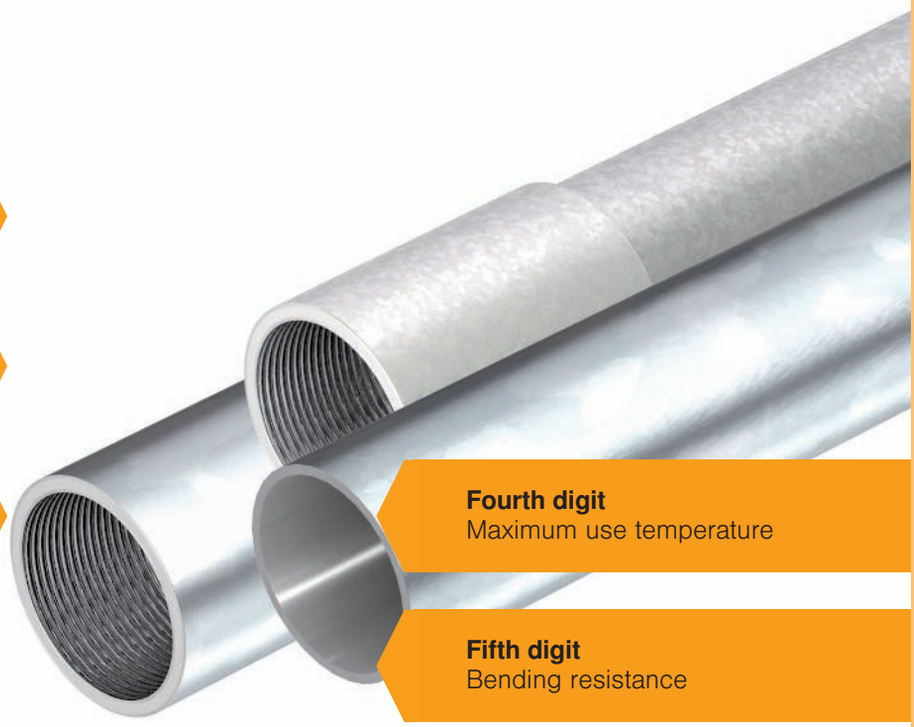
The OBO Bettermann pipe systems are machined and tested according to DIN EN 61386 (Electrical installation pipe systems for electrical energy and information) and DIN EN 60423 (External diameters of electrical installation pipes and thread for electrical installation pipes and their accessories).

Numeric code
DIN EN 61386-1 classifies installation pipes using a 12-digit numeric code, which provides information on the pressure resistance, impact resistance or use temperatures. You can find the first five digits in the product descriptions of the pipe systems.

First digit
Compression resistance

Second digit
Impact resistance

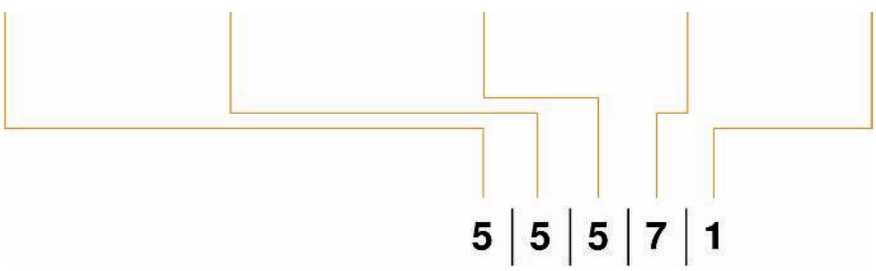
Third digit
Minimum use temperature



Fourth digit
Maximum use temperature

Fifth digit
Bending resistance

	First digit		Second digit		Third digit		Fourth digit		Fifth digit
	Pressure resistance		**Impact resistance**		**Minimum use temperature**		**Maximum use temperature**		**Bending behaviour**
1	Very light (125 N)	**1**	Very light (0.5 kg/100 mm)	**1**	+ 5 °C	**1**	+ 60 °C	1	Rigid
2	Light (320 N)	**2**	Light (1.0 kg/100 mm)	**2**	– 5 °C	**2**	+ 90 °C	**2**	Bendable
3	Medium (750 N)	**3**	Medium (2.0 kg/100 mm)	**3**	– 15 °C	**3**	+ 105 °C	**3**	Bendable, self-healing
4	Heavy (1250 N)	**4**	Heavy (2.0 kg/300 mm)	**4**	– 25 °C	**4**	+ 120 °C	**4**	Flexible
5	Very heavy (4000 N)	5	Very heavy (6.8 kg/300 mm)	5	– 45 °C	**5**	+ 150 °C		
						6	+ 250 °C		
						7	+ 400 °C		



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Always indicate the item number when ordering.

Armoured steel pipe without thread, electrogalvanised





4 | 4 | 5 | 7 | 1

E30 E90

Type	Dimension D mm	Dimension L mm	Dimension t mm	Pack. m	Weight kg/100 m	Item No.
S16W G	16	3000	1	30	37.000	**2046840**
S20W G	20	3000	1	30	44.700	**2046841**
S25W G	25	3000	1.2	30	70.400	**2046842**
S32W G	32	3000	1.2	21	91.200	**2046843**
S40W G	40	3000	1.2	15	139.700	**2046844**
S50W G	50	3000	1.2	15	176.000	**2046845**
S63W G	63	3000	1.2	9	223.000	**2046846**

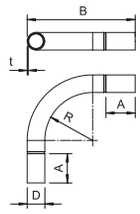
St Steel

G Electrogalvanised

Electrical installation pipe without threaded ends according to EN 61386-1 for mechanical protection of cables. With burr-free inner wall.

Electrogalvanised steel bend, without thread





E30 E90

Type	Dimension A mm	Dimension B mm	Dimension D mm	Dimension l mm	Dimension R mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SBN16 G	43.7	103	18.6	25	50	1	15	7.200	**2046808**
SBN20 G	53.7	155	22.6	30	90	1	25	13.300	**2046809**
SBN25 G	66.5	190	28	40	110	1.2	25	24.400	**2046810**
SBN32 G	86.5	254	35.1	40	150	1.2	20	41.000	**2046811**
SBN40 G	87.2	279	43.7	50	170	1.5	15	70.200	**2046812**
SBN50 G	131	358	54	60	200	1.5	5	111.800	**2046813**
SBN63 G	163	446	67	90	250	1.5	3	174.200	**2046814**

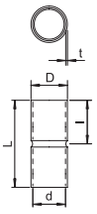
St Steel

G Electrogalvanised

90° bend with moulded sleeves, for electrical installation pipes according to EN 61386-1. With burr-free inner wall.

Armoured steel pipe connection sleeve without thread, electrogalvanised





E30 E90

Type	Dimension D mm	Dimension d mm	Dimension L mm	Dimension l mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SV16W G	18.6	16.6	50	25	1	25	2.100	**2046854**
SV20W G	23.1	20.7	60	30	1.2	50	2.800	**2046855**
SV25W G	28.1	25.7	60	30	1.2	50	4.800	**2046856**
SV32W G	35.2	32.8	70	35	1.2	50	7.200	**2046857**
SV40W G	43.8	43.8	80	40	1.5	25	13.200	**2046858**
SV50W G	54	51	100	50	1.5	10	20.000	**2046859**
SV63W G	67	64	100	50	1.5	5	28.000	**2046860**

St Steel

G Electrogalvanised

Accessory part: plug-in sleeve for the connections between electrical installation pipes. With burr-free inner wall.

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Always indicate the item number when ordering.

Aluminium pipe, without thread

Type	Dimension D mm	Dimension L mm	Dimension t mm	Pack. m	Weight kg/100 m	Item No.
S16W ALU	16	3000	1.2	30	15.065	**2046002**
S20W ALU	20	3000	1.2	30	19.134	**2046003**
S25W ALU	25	3000	1.3	30	26.134	**2046004**
S32W ALU	32	3000	1.3	30	33.853	**2046005**
S40W ALU	40	3000	1.4	15	45.839	**2046006**
S50W ALU	50	3000	1.4	15	57.714	**2046007**
S63W ALU	63	3000	1.7	15	88.394	**2046008**





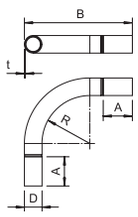
4 4 5 6 1

Alu Aluminium

Electrical installation pipe without threaded ends to EN 61386-1 for mechanical protection of cables. With burr-free inner wall.

Aluminium pipe bend, without thread

Type	Dimension A mm	Dimension B mm	Dimension D mm	Dimension l mm	Dimension R mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SB16W ALU	78	151	16	28	64	1.2	15	2.350	**2046012**
SB20W ALU	80	171	20	30	80	1.2	25	5.500	**2046013**
SB25W ALU	93	209	25	38	102.5	1.3	25	9.000	**2046014**
SB32W ALU	105	253	32	40	131	1.3	20	14.100	**2046015**
SB40W ALU	115	302	40	50	165	1.4	15	22.400	**2046016**
SB50W ALU	128	360	50	63	205	1.4	5	35.400	**2046017**
SB63W ALU	135	425	63	70	256.5	1.7	3	59.500	**2046018**



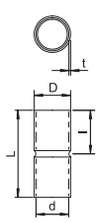


Alu Aluminium

90° bend with moulded sleeves, for electrical installation pipes according to EN 61386-1. With burr-free inner wall.

Aluminium sleeve, without thread

Type	Dimension D mm	Dimension d mm	Dimension L mm	Dimension l mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SV16W ALU	18.6	16.2	40	20	1.2	50	0.700	**2046022**
SV20W ALU	22.6	20.2	50	25	1.2	50	1.300	**2046023**
SV25W ALU	27.6	25.2	60	30	1.2	50	1.900	**2046024**
SV32W ALU	34.6	32.2	70	35	1.2	50	2.400	**2046025**
SV40W ALU	43	40.2	70	35	1.4	20	4.000	**2046026**
SV50W ALU	53	50.2	90	45	1.4	20	6.100	**2046027**
SV63W ALU	66.2	63.2	110	55	1.5	20	9.000	**2046028**





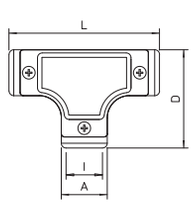
Alu Aluminium

Accessory part: plug-in sleeve for the connections between electrical installation pipes. With burr-free inner wall.

Control T piece without thread

IP 54

Type	Size	Dimension D mm	Dimension L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SKT20W ALU	20	65	102	5	12.900	**2047589**
SKT25W ALU	25	75	115	5	21.500	**2047590**
SKT32W ALU	32	96	156	4	45.300	**2047591**
SKT40W ALU	40	96	156	4	32.800	**2047592**
SKT50W ALU	50	124.5	194	2	53.100	**2047593**





AlG Cast aluminium

Die-cast aluminium T piece, for mounting in pipe sections as a junction.
Removable cover for easier cable routing and later checking.

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Always indicate the item number when ordering.

Quick pipe, light grey



IP 44 M

Type	Size	Colour	Length mm	Dimension t mm	Dimension C mm	Pack. m	Weight kg/100 m	Item No.
2953 M16 LGR	M16	Light grey	2000	1.2	8.2	50	7.000	**2153904**
2953 M20 LGR	M20	Light grey	2000	1.5	10	40	11.500	**2153912**
2953 M25 LGR	M25	Light grey	2000	1.6	13.6	30	16.000	**2153920**
2953 M32 LGR	M32	Light grey	2000	1.6	17	20	21.500	**2153939**

PVC Polyvinylchloride

Quick Pipe combines the advantages of cable duct and installation pipe in an intelligent system. This system allows tidy and safe surface-mounted installation of all kinds of cables on walls and ceilings. Quick pipe is available in four metric sizes: M16, M20, M25 and M32. The stock length is 2 m.
The system is VDE-tested and achieves a protection rating of IP44. The Quick Pipe can be used in the temperature range between -25 and +60 °C and is resistant against impact energy of 5 J. The fittings are a component part of the system. The smallest shipped quantity is one shipping box.

90° Quick pipe bend, light grey



IP 44 M

Type	Size	Colour	Dimension B mm	Dimension L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2953 B M16 LGR	M16	Light grey	20.4	68.4	5	1.057	**2153864**
2953 B M20 LGR	M20	Light grey	25.5	82.5	5	1.871	**2153866**
2953 B M25 LGR	M25	Light grey	31.2	91.2	5	2.565	**2153868**
2953 B M32 LGR	M32	Light grey	38.7	102.7	5	3.917	**2153870**

PVC Polyvinylchloride

The Quick Pipe bends 90° are VDE-tested and consist of two interconnectable half shells, which can be closed around the Quick Pipe.

Quick pipe connecting sleeve, light grey



IP 44 M

Type	Size	Colour	Dimension L mm	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2953 M M16 LGR	M16	Light grey	52	20.4	10	0.538	**2153829**
2953 M M20 LGR	M20	Light grey	65	25.5	10	1.015	**2153831**
2953 M M25 LGR	M25	Light grey	72	31.2	10	1.348	**2153833**
2953 M M32 LGR	M32	Light grey	80	38.7	10	2.084	**2153835**

PVC Polyvinylchloride

The Quick Pipe connection sleeves are VDE-tested and consist of two interconnectable half shells, which can be closed around the Quick Pipe.

Quick pipe T piece, light grey



IP 44 M

Type	Size	Colour	Dimension L mm	Dimension B mm	Dimension B2 mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2953 T M16 LGR	M16	Light grey	57.4	20.4	94.4	5	1.421	**2153872**
2953 T M20 LGR	M20	Light grey	67.5	25.5	109.5	5	2.340	**2153874**
2953 T M25 LGR	M25	Light grey	77.2	31.2	123.2	5	3.203	**2153876**
2953 T M32 LGR	M32	Light grey	86.7	38.7	134.7	5	4.639	**2153878**

PVC Polyvinylchloride

The Quick Pipe T pieces are VDE-tested and consist of two interconnectable half shells, which can be closed around the Quick Pipe.

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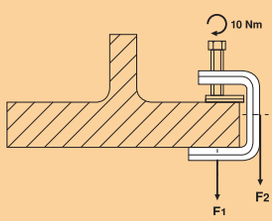
Beam clamp SSP

- High load capacity
- 2 clamping ranges (6–21 mm and 20–40 mm)
- 2 thread variants (M6 and M8)
- 3 materials (FT, V2A, V4A)
- BET-tested



Heavy loads.

The SSP beam clamps are used for fastening a wide range of components, including electrical installations, to load-bearing profiles. Their main benefit is their high load-bearing capacity.



	SSP 6-21	SSP 20-40
F1	1.75 kN	1.4 kN
F2	1.5 kN	1.3 kN

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Beam clamp, with fastening hole

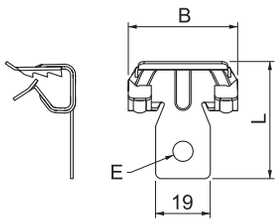


Type	Flange thickness mm	Fastening hole mm	Breaking load N	Pack. pcs	Weight kg/100 pcs.	Item No.
BCVH 2-4	2 - 4	6.5	450	100	1.350	**1483601**
BCVH 4-8	4 - 8	6.5	950	100	1.660	**1483603**
BCVH 8-14	8 - 14	6.5	950	100	1.800	**1483605**
BCVH 14-20	14 - 20	6.5	950	100	1.950	**1483607**

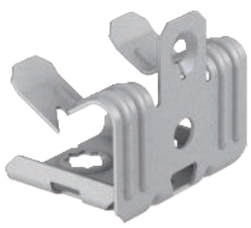
St Steel

ZL Zinc scale

Beam clamp for knocking in with fastening hole as individual fastening solution on the beam.



Beam clamp, with female thread

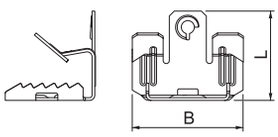


Type	Flange thickness mm	Thread	Fastening hole mm	Breaking load N	Pack. pcs	Weight kg/100 pcs.	Item No.
BCUIT 3-7 M6	3 - 7	M6	7	350	100	2.100	**1483621**
BCUIT 8-12,5 M6	8 - 12	M6	7	500	100	2.450	**1483623**
BCUIT 14-20 M6	14 - 20	M6	7	500	100	2.700	**1483625**

St Steel

ZL Zinc scale

Beam clamp for knocking in with internal thread as individual fastening solution on the beam.



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Always indicate the item number when ordering.

Beam clamp, for pipes



Type	Flange thickness mm	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
BCC 2-4 D5,5	2 - 4	4.5 - 5.5	100	0.400	**1483901**
BCC 2-4 D7	2 - 4	6 - 7	100	0.400	**1483903**
BCC 2-4 D9	2 - 4	7 - 9	100	0.450	**1483905**
BCC 2-4 D11	2 - 4	10 - 12	100	0.500	**1483907**
BCC 2-4 D14	2 - 4	12 - 14	100	0.550	**1483911**
BCC 2-4 D18	2 - 4	15 - 18	100	0.700	**1483915**
BCC 2-4 D24	2 - 4	19 - 24	100	0.800	**1483919**
BCC 2-4 D30	2 - 4	25 - 30	100	0.900	**1483923**
BCC 4-7 D5,5	4 - 7	4.5 - 5.5	100	0.500	**1483931**
BCC 4-7 D7	4 - 7	6 - 7	100	0.550	**1483933**
BCC 4-7 D9	4 - 7	7 - 9	100	0.600	**1483935**
BCC 4-7 D11	4 - 7	10 - 11	100	0.700	**1483937**
BCC 4-7 D14	4 - 7	12 - 14	100	0.700	**1483941**
BCC 4-7 D18	4 - 7	15 - 18	100	0.800	**1483945**
BCC 4-7 D24	4 - 7	19 - 24	100	0.900	**1483951**
BCC 4-7 D30	4 - 7	25 - 30	100	1.100	**1483955**
BCC 8-12 D5,5	8 - 12	4.5 - 5.5	100	0.500	**1483960**
BCC 8-12 D7	8 - 12	6 - 7	100	0.600	**1483961**
BCC 8-12 D9	8 - 12	7 - 9	100	0.700	**1483963**
BCC 8-12 D11	8 - 12	10 - 11	100	0.700	**1483965**
BCC 8-12 D14	8 - 12	12 - 14	100	0.800	**1483969**
BCC 8-12 D18	8 - 12	15 - 18	100	0.900	**1483973**
BCC 8-12 D24	8 - 12	19 - 24	100	1.100	**1483977**
BCC 8-12 D30	8 - 12	25 - 30	100	1.100	**1483981**

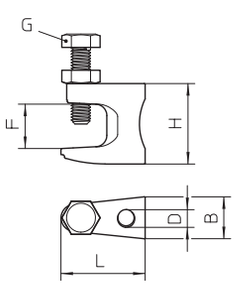
St Steel

ZL Zinc scale

Beam clamp for knocking in for cables as individual fastening solution on the beam.

Screw-in beam clamp, with gland hole





Type	Flange thickness mm	Height mm	Fastening hole mm	Breaking load kN	Pack. pcs	Weight kg/100 pcs.	Item No.
FL 1 TG	0 - 18	35	9	1.2	50	8.500	**1488015**
FL 2 TG	0 - 20	42	11	2.5	50	14.000	**1488023**
FL 3 TG	0 - 26	54	13	3.5	25	18.000	**1488031**

TG Cast iron

With gland hole.

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Always indicate the item number when ordering.

Beam clamp for screwing on, heavy-duty

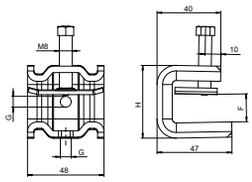
Beam clamp SSP 6-21



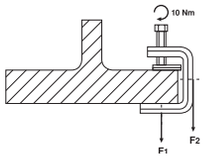
Type	Flange thickness mm	For threaded rod	Breaking load F1 kN	Breaking load F2 kN	Pack. pcs	Weight kg/100 pcs.	Item No.
SSP 6-21 M6 FT	6 - 21	M6	1.75	1.5	25	23.900	**1486232**
SSP 6-21 M8 FT	6 - 21	M8	1.75	1.5	25	23.900	**1486282**

St Steel

FT Hot-dip galvanised



This type of beam clamp is pushed onto the support and fixed to the girder or flat iron using a pressure trough and bolt (M8). The hexagonal bolt has a WAF of 10 mm. In the clip element, two additional M6 threads are also incorporated, to fix threaded rods, for example.



SSP 6-21 M6 FT

Breaking load F1 kN 1.75
Breaking load F2 kN 1.5

SSP 6-21 M8 FT

Breaking load F1 kN 1.75
Breaking load F2 kN 1.5

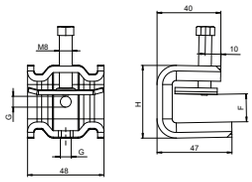
Beam clamp SSP 20-40



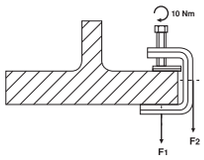
Type	Flange thickness mm	For threaded rod	Breaking load F1 kN	Breaking load F2 kN	Pack. pcs	Weight kg/100 pcs.	Item No.
SSP 20-40 M6 FT	20 - 40	M6	1.4	1.3	25	27.700	**1486238**
SSP 20-40 M8 FT	20 - 40	M8	1.4	1.3	25	27.800	**1486288**

St Steel

FT Hot-dip galvanised



This type of beam clamp is pushed onto the support and fixed to the girder or flat iron using a pressure trough and bolt (M8). The hexagonal bolt has a WAF of 10 mm. In the clip element, two additional M6 threads are also incorporated, to fix threaded rods, for example.



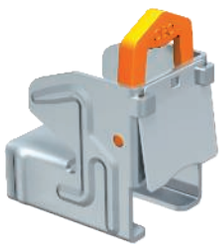
SSP 20-40 M6 FT

Breaking load F1 kN 1.4
Breaking load F2 kN 1.3

SSP 20-40 M8 FT

Breaking load F1 kN 1.4
Breaking load F2 kN 1.3

Beam clamp, for profile rail CM3518

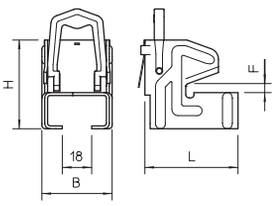


Type	Flange thickness mm	Height mm	Width mm	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
328 1	5 - 11	54.3	39.5	57	50	10.800	**1408011**
328 2	10 - 19	54.3	39.5	67	50	12.500	**1408046**

St Steel

ZL Zinc scale

Screwless rustproof coated beam clamp, with blocking spring, suitable for profile rail, type CML3518 and CMS3518. For rapid fastening to steel profiles when installing cable tracks, clamp clips, light mounts, etc. A complete system consists of
2 beam clamps and one piece of C profile rail of any length, and 2 protective caps.



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Always indicate the item number when ordering.

Rail systems

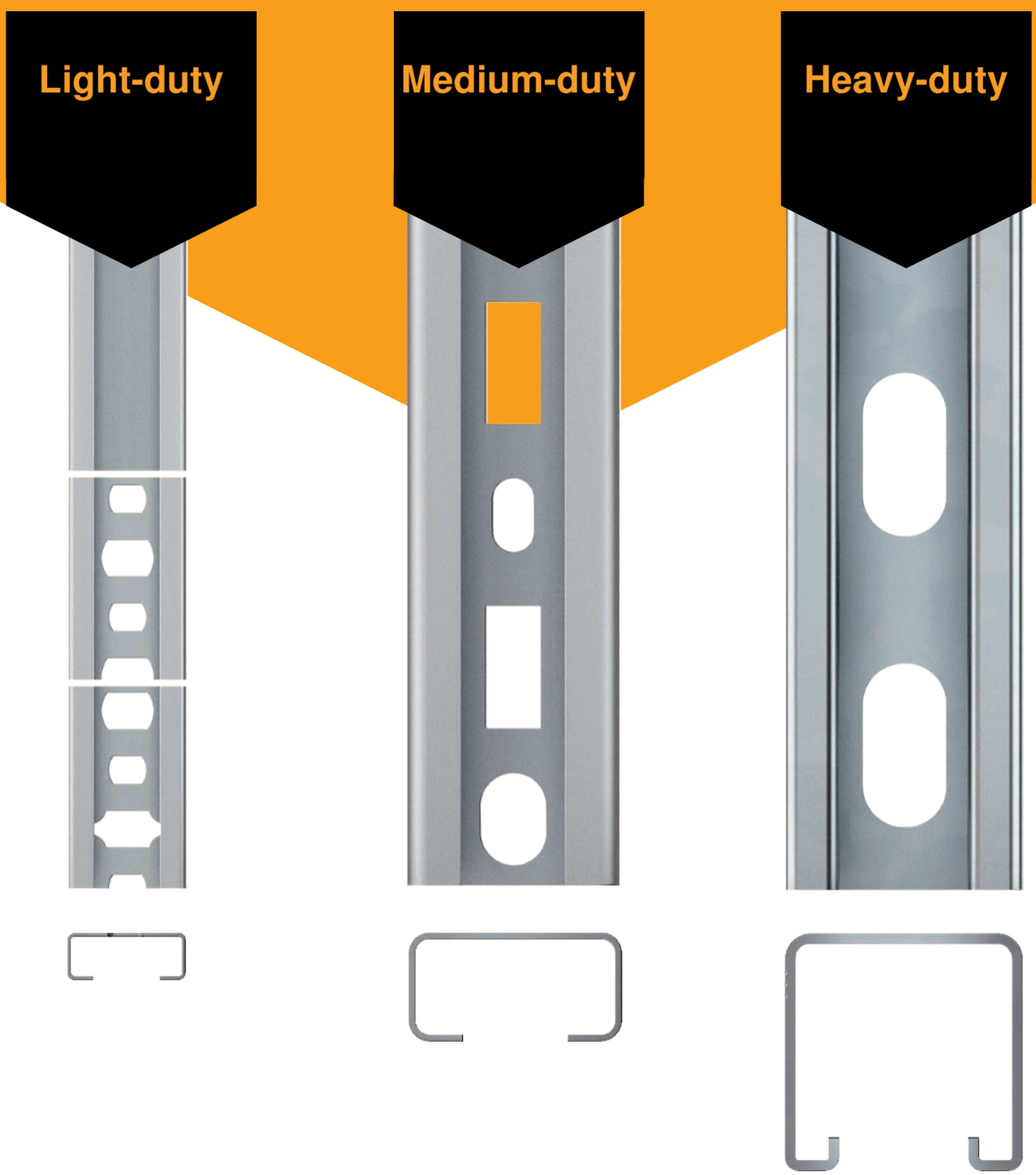
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Always indicate the item number when ordering.

Three load classes for easy product selection

OBO's tried-and-tested rail system is now more logically structured than ever. It is now easy to choose the right product at a glance from the three load classes: light-duty, medium-duty and heavy-duty. The accessories are also right there in the selection aids. So choosing perfectly matching products is a breeze.



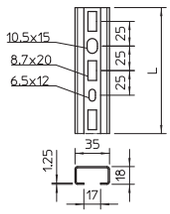


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Always indicate the item number when ordering.

CM3518 profile rail, slot 17 mm, perforated





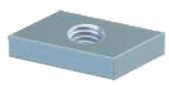
Type	Length mm	Dimension W x H mm	Material thickness mm	Dimension L mm	Pack. m	Weight kg/100 m	Item No.
CML3518P2000FS	2000	35 x 18	1.25	2000	2	71.000	**1104500**

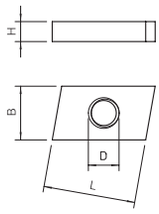
St Steel

FS Strip-galvanised

Central C profile rail for cable routing, in conjunction with clamp clips with a hammerhead foot. Can also be used as suspension construction for cable support systems.

Slide nut





Type	Length mm	Width mm	Height mm	Thread	Pack. pcs	Weight kg/100 pcs.	Item No.
ACMSN M6 ZL	26	16.5	4	M6	100	1.740	**1147056**
ACMSN M8 ZL	26	16.5	4	M8	100	1.484	**1147060**
ACMSN M10 ZL	26	16.5	4	M10	100	1.300	**1147064**

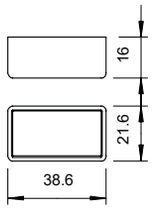
St Steel

ZL Zinc scale

Slide nut for use with CM3015, CM3518 and AM3518 profile rails

Protective cap





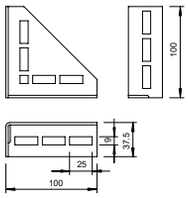
Type	Colour	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
CM3518 SK	Pastel orange	500	50	0.384	**1124502**

PE Polyethylene

Protective cap for profile rail types CM3518 and AM3518.

Triangular node





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
CM3518 KD FT	25	22.000	**6350100**

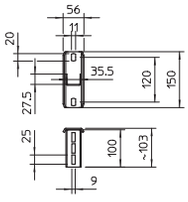
St Steel

FT Hot-dip galvanised

For stable corner fastening of individual mountings.

Head plate





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
CM3518 KP FT	25	42.000	**6350054**

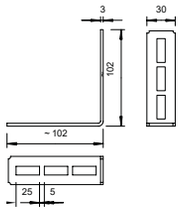
St Steel

FT Hot-dip galvanised

For wall and ceiling fastening of individual mountings.

90° mounting bracket





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
CMW90FT	25	11.000	**6350151**

St Steel

FT Hot-dip galvanised

For stable 90° angle fastening of individual mountings.

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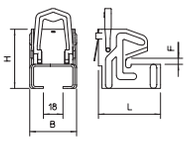
Always indicate the item number when ordering.

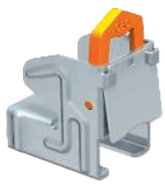
Beam clamp, for profile rail CM3518

Type	Flange thickness mm	Height mm	Width mm	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
328 1	5 - 11	54.3	39.5	57	50	10.800	**1408011**
328 2	10 - 19	54.3	39.5	67	50	12.500	**1408046**

St Steel

ZL Zinc scale





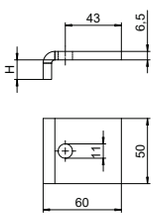
Screwless rustproof coated beam clamp, with blocking spring, suitable for profile rail, type CML3518 and CMS3518. For rapid fastening to steel profiles when installing cable tracks, clamp clips, light mounts, etc. A complete system consists of
2 beam clamps and one piece of C profile rail of any length, and 2 protective caps.

Clamping angle KL

Type	Height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
KL1 10 S FT	10	10	22.100	**6354106**
KL1 15 S FT	15	10	23.400	**6354114**
KL1 20 S FT	20	10	25.000	**6354122**

St Steel

FT Hot-dip galvanised





Clamping lug, type KL1, to fasten light support structures to steel girder flanges.

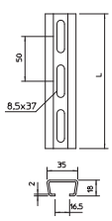
Anchor rail AMS3518, slot 16.5 mm, perforated

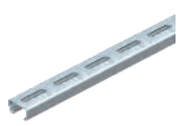


Type	Length mm	Dimension W x H mm	Material thickness mm	Dimension L mm	Pack. m	Weight kg/100 m	Item No.
AMS3518P2000FT	2000	35 x 18	2	2000	20	122.000	**1112759**

St Steel

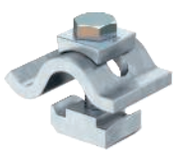
FT Hot-dip galvanised

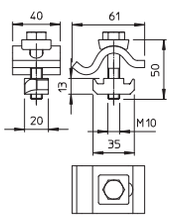




Central C profile rail for cable routing, in conjunction with clamp clips with a hammerhead foot. Can also be used as suspension construction for cable support systems.

Chuck jaw, light-duty TKH





Type	Height mm	F in kN	Pack. pair	Weight kg/100 pairs	Item No.
TKH-L-25 FT	25	10	10	46.000	**6355812**

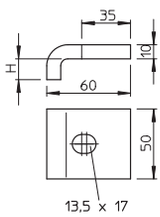
St Steel

FT Hot-dip galvanised

Light-duty tensioning claw with slide nut for fixing mounting rails to steel girder flanges.

Clamping angle KWH





Type	Height mm	F in kN	Pack. pair	Weight kg/100 pairs	Item No.
KWH 5 FT	5	5.7	10	67.000	**6355021**
KWH 10 FT	10	5.7	10	73.000	**6355048**
KWH 15 FT	15	5.7	10	76.000	**6355056**
KWH 20 FT	20	5.7	10	82.000	**6355064**
KWH 25 FT	25	5.7	10	87.000	**6355072**

St Steel

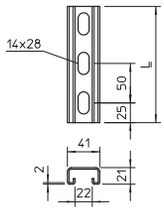
FT Hot-dip galvanised

Clamping profile, with hook-head bolt, type KWH, for fastening in the mounting rail, type MS5030.

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MS4121 mounting rail, slot width 22 mm, perforated





Type	Length mm	Dimension W x H mm	Material thickness mm	Dimension L mm	Pack. m	Weight kg/100 m	Item No.
MS4121P2000FS	2000	41x21	2	2000	2	175.000	**1122918**
MS4121P3000FS	3000	41x21	2	3000	3	141.900	**1122920**
MS4121P6000FS	6000	41x21	2	6000	6	141.900	**1122922**
MS4121P2000FT	2000	41x21	2	2000	2	183.000	**1122923**
MS4121P3000FT	3000	41x21	2	3000	3	151.300	**1122924**
MS4121P6000FT	6000	41x21	2	6000	6	184.000	**1122926**

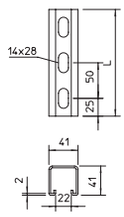
St Steel

FS Strip-galvanised FT Hot-dip galvanised

Heavy-duty C profile rail for individual installation of support constructions, e.g. for cable trays or as a panel for switchgear cabinets. Can also be used for cable routing, in conjunction with clamp clips with a U foot.

MS4141 mounting rail, slot width 22 mm, perforated





Type	Length mm	Dimension W x H mm	Material thickness mm	Dimension L mm	Pack. m	Weight kg/100 m	Item No.
MSL4141P1000FS	1000	41x41	2	1000	1	201.100	**1122970**
MSL4141P3000FS	3000	41x41	2	3000	3	201.100	**1122972**
MSL4141P6000FS	6000	41x41	2	6000	6	201.100	**1122974**
MSL4141P1000FT	1000	41x41	2	1000	1	214.700	**1122962**
MSL4141P3000FT	3000	41x41	2	3000	3	214.700	**1122964**
MSL4141P6000FT	6000	41x41	2	6000	6	214.700	**1122966**

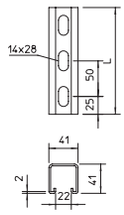
St Steel

FS Strip-galvanised FT Hot-dip galvanised

Heavy-duty C profile rail for individual installation of support constructions, e.g. for cable trays or as a panel for switchgear cabinets. Can also be used for cable routing, in conjunction with clamp clips with a U foot.

MS4141 mounting rail, slot width 22 mm, side-perforated





Type	Length mm	Dimension W x H mm	Material thickness mm	Dimension L mm	Pack. m	Weight kg/100 m	Item No.
MSL4141PP1000FS	1000	41x41	2	1000	1	179.400	**1123008**
MSL4141PP3000FS	3000	41x41	2	3000	3	179.400	**1123010**
MSL4141PP6000FS	6000	41x41	2	6000	6	179.400	**1123012**
MSL4141PP1000FT	1000	41x41	2	1000	1	191.500	**1123001**
MSL4141PP3000FT	3000	41x41	2	3000	3	191.500	**1123003**
MSL4141PP6000FT	6000	41x41	2	6000	6	191.500	**1123005**

St Steel

FS Strip-galvanised FT Hot-dip galvanised

Heavy-duty C profile rail for individual installation of support constructions, e.g. for cable trays or as a panel for switchgear cabinets. Can also be used for cable routing, in conjunction with clamp clips with a U foot.

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Always indicate the item number when ordering.

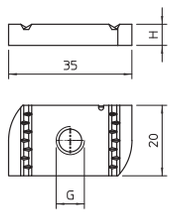
Slide nut

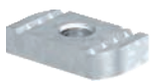
Type	Length mm	Width mm	Height mm	Thread	Pack. pcs	Weight kg/100 pcs.	Item No.
MS41SN M6 ZL	35	20	6	M6	50	2.880	**1147206**
MS41SN M8 ZL	35	20	6	M8	50	2.800	**1147210**
MS41SN M10 ZL	35	20	8	M10	50	3.650	**1147214**
MS41SN M12 ZL	35	20	9.5	M12	50	4.200	**1147218**

St Steel

ZL Zinc scale

Slide nut for use with MS4121 und MS4141 profile rails





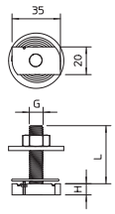
Hammer-head bolt

Type	Length mm	Width mm	Height mm	Thread	Torque Nm	Pack. pcs	Weight kg/100 pcs.	Item No.
MS41HB M6x30 ZL	35	20	6	M6x30	3.3	50	4.000	**1148306**
MS41HB M8x30 ZL	35	20	6	M8x30	8	50	4.850	**1148310**
MS41HB M8x60 ZL	35	20	6	M8x60	8	25	6.000	**1148314**
MS41HB M8x100 ZL	35	20	6	M8x100	8	20	7.600	**1148318**
MS41HB M10x30 ZL	35	20	8	M10x30	16	50	7.400	**1148322**
MS41HB M10x60 ZL	35	20	8	M10x60	16	25	9.250	**1148326**
MS41HB M10x100ZL	35	20	8	M10x100	16	20	11.700	**1148330**
MS41HB M12x30 ZL	35	20	9.5	M12x30	27	50	9.750	**1148334**
MS41HB M12x100ZL	35	20	9.5	M12x100	27	20	15.950	**1148342**

St Steel

ZL Zinc scale

Hammer-head bolt for use with MS4121 und MS4141 profile rails





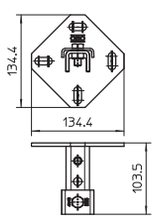
Wall, floor and ceiling bracket with 3 holes

Type	Version	Dimension W x H mm	Material thickness mm	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WBDHE 41 FT	Perforated	134x110	5	102	10	73.000	**1123191**

St Steel

FT Hot-dip galvanised

The wall, floor and ceiling bracket can ideally be used as a panel for wall, floor and ceiling mounting.
Also suitable for stand and frame construction in conjunction with the mounting rails MS4141.





Rail connector SV with 3 holes

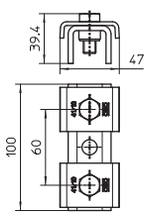
Type	Version	Dimension W x H mm	Material thickness mm	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SVE 41 FT	Perforated	47x39,4	4	100	10	42.000	**1123121**

St Steel

FT Hot-dip galvanised

The rail connector is used to extend the mounting rail MS4141. The connection can be made simply and securely on the construction site or prefabricated in the workshop.
There is a guarantee that there is no weak point in the area of the rail coupling. The static values of the mounting rail apply here.

Scope of delivery:
Retaining plates, type 4141, and suitable hexagonal bolts included loosely.





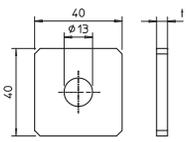
Connection plate with 1 hole

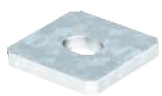
Type	Material thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 1 VP FT	5	10	7.120	**1124643**

St Steel

FT Hot-dip galvanised

Connection plate with lengthwise slot, for example for mounting threaded rods to profile rails 41 x 41 mm and 41 x 21 mm.



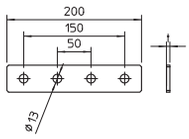


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Always indicate the item number when ordering.

Connection plate with 4 holes





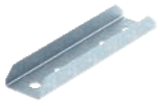
Type	Material thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 4 VP FT	5	10	35.580	**1124649**

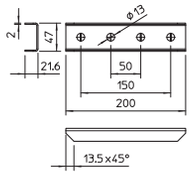
St Steel

FT Hot-dip galvanised

Connection plate with four holes for straight connection of profile rails 41 x 41 mm and 41 x 21 mm.

Connector





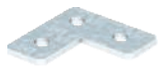
Type	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
GVMS 4 ASV FT	With continuous perforation 13 mm	10	24.510	**1124641**

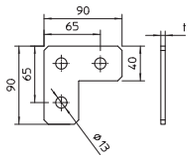
St Steel

FT Hot-dip galvanised

Connector gripping from outside with four holes for straight connection of profile rails 41 x 41 mm and 41 x 21 mm.

Connection plate, L-shaped





Type	Material thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 3 VP L FT	5	10	25.000	**1124653**

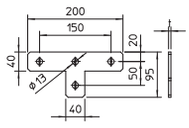
St Steel

FT Hot-dip galvanised

Connection plate with three holes for angled connection of profile rails 41 x 41 mm and 41 x 21 mm.

Connection plate, T-shaped





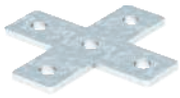
Type	Material thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 4 VP T FT	5	10	41.000	**1124655**

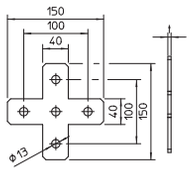
St Steel

FT Hot-dip galvanised

Connection plate with four holes for T-shaped connection of profile rails 41 x 41 mm and 41 x 21 mm.

Connection plate, X-shaped





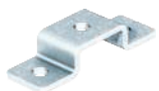
Type	Material thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 5 VP X FT	5	10	48.000	**1124657**

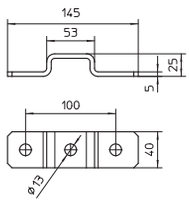
St Steel

FT Hot-dip galvanised

Connection plate with five holes for cross connection of profile rails 41 x 41 mm and 41 x 21 mm.

Omega clamp





Type	Material thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 3 O 4121 FT	5	10	26.540	**1124671**

St Steel

FT Hot-dip galvanised

Fastening clip with 3 holes for cross-wise connection of profile rails 41 x 21 mm.

Always indicate the item number when ordering.

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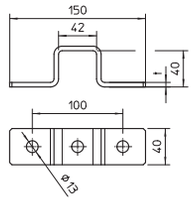
Omega clamp

Type	Material thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 3 O 4141 FT	5	10	35.000	**1124673**

St Steel

FT Hot-dip galvanised

Fastening clip with 3 holes for cross-wise connection of profile rails 41 x 41 mm.





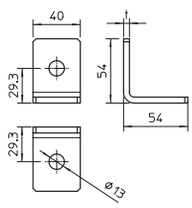
Mounting bracket, 90° with 2 holes

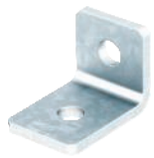
Type	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 2 VW 90 FT	90° angle	10	14.000	**1124659**

St Steel

FT Hot-dip galvanised

Mounting bracket with two holes to connect profile rails 41 x 41 mm and 41 x 21 mm at an angle of 90°.





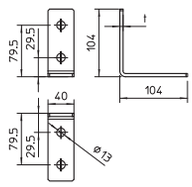
Mounting bracket, 90° with 4 holes

Type	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 4 VW 90 FT	90° angle	10	32.000	**1124663**

St Steel

FT Hot-dip galvanised

Mounting bracket with two holes to connect profile rails 41 x 41 mm and 41 x 21 mm at an angle of 90°.





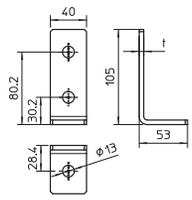
Mounting bracket, 90° with 3 holes

Type	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 3 VW 90 FT	90° angle	10	25.910	**1124661**

St Steel

FT Hot-dip galvanised

Installation profile with three holes to connect profile rails 41 x 41 mm and 41 x 21 mm at an angle of 90°.





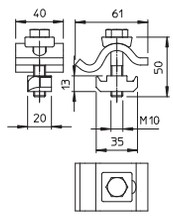
Chuck jaw, light-duty TKH

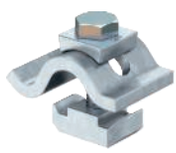
Type	Height mm	F in kN kN	Pack. pair	Weight kg/100 pairs	Item No.
TKH-L-25 FT	25	10	10	46.000	**6355812**

St Steel

FT Hot-dip galvanised

Light-duty tensioning claw with slide nut for fixing mounting rails to steel girder flanges.



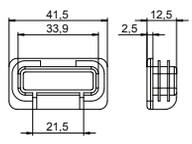


End cap MS4121

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MS4121 EK	Pastel orange	50	0.645	**1122904**

PE Polyethylene

End cap for profile rail, type MS4121.



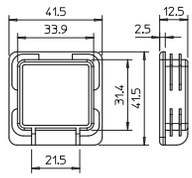


Always indicate the item number when ordering.

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End cap MS4141





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MS4141 EK	Pastel orange	50	0.670	**1122906**

PE Polyethylene

End cap for profile rail, type MS4141.

Always indicate the item number when ordering.

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Screw-in and knock-in systems



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Always indicate the item number when ordering.

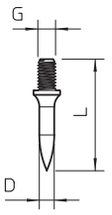
OBO anchor

Type	Shank length mm	Dimension L mm	Dimension D Ø mm	Dimension G mm	Pack. pcs	Weight kg/100 pcs.	Item No.
903 15 G	15	23	4	M6	100	0.330	**3100154**
903 18 G	18	26	4	M6	100	0.360	**3100189**
903 25 G	25	33	4	M6	100	0.404	**3100251**
903 30 G	30	38	4	M6	100	0.470	**3100308**
903 40 G	40	48	4	M6	100	0.571	**3100405**

St Steel

G Electrogalvanised

Hardened steel, electrogalvanised with M6 x 8 mm thread.



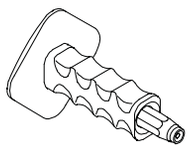


Flattener with hand protection

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
915 RBS M4	1	52.000	**3031500**

St Steel

Flattener with hand protection for OBO anchors 903/RB Ø 4 mm and also for OBO anchors 904 with M4 thread.



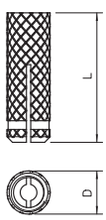


Brass spreading anchor

Type	Thread	Bore hole depth mm	Length mm	Bore hole Ø mm	Pull-out value N	Pack. pcs	Weight kg/100 pcs.	Item No.
865 M6x24	M6	32	24	8	6000	100	0.442	**3483061**
865 M8x30	M8	41	30	11	7000	100	0.867	**3483088**
865 M10x34	M10	53	34	12	9000	100	1.315	**3483096**

CuZn Brass

Areas of application: full brick, concrete, wood. Ideally suited for areas exposed to high temperatures.





Nail anchor N with thread

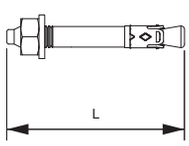
Type	Thread	Bore hole Ø mm	Bore hole depth mm	Clamping range mm	Dimension L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
N 6-5-10/49	M6	6	40	5 - 10	49	100	1.160	**3498396**

St Steel

G Electrogalvanised

The nail anchor N can be used for multiple fastenings of non-load-bearing systems and in cracked and non-cracked concrete, thereby combining the benefits of a bolt tie with even easier mounting. The nail tie only needs to be hammered into the drill hole. It is not necessary to apply torque subsequently. When the load occurs, the nail tie spreads itself and bolts itself in the drill hole.

European Technical Approval ETA-11/0240, including characteristic values under fire exposure to fire resistance R 120.



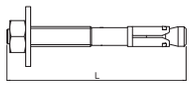


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Always indicate the item number when ordering.

Bolt tie BZ-U





Type	Thread	Dimension L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
BZ-U 8-10-21/75	M8	75	50	3.460	**3498320**
BZ-U 8-30-41/95	M8	95	50	4.010	**3498326**
BZ-U 10-10-30/90	M10	90	50	6.720	**3498334**
BZ-U10-30-50/110	M10	110	25	7.900	**3498340**

St Steel

G Electrogalvanised

Bolt tie BZ for the anchoring of medium-duty to heavy-duty loads, both in cracked and non-cracked concrete. It combines high approved loads with small edge distances and axial spacings.

European Technical Approval ETA-99/0010, including characteristic values under fire exposure to fire resistance R 120.
Proof of suitability in the case of seismic impacts, categories C1 and C2.
Shock approval by the Federal Office for Civil Protection in Bern, Switzerland.

Load

Standard anchoring depth

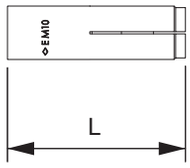
Loads and characteristic values	Anchoring depth	Drill hole Ø	Drill hole depth	Clamping strength	Permitted load area, tension zone
	mm	mm	mm	mm	kN
M 8-10/75	46	8	60	10	2.4
M 8-30/75	46	8	60	30	2.4
M 10-10/90	60	10	75	10	4,3
M 10-30/110	60	10	75	30	4,3

Reduced anchoring depth

Loads and characteristic values	Anchoring depth	Drill hole Ø	Drill hole depth	Clamping strength	Permitted load area, tension zone
	mm	mm	mm	mm	kN
M 8-21/75	35	8	49	21	2.4
M 8-41/95	35	8	49	41	2.4
M 10-30/90	40	10	55	30	3,6
M 10-50/110	40	10	55	50	3,6

Drop-in anchor E





Type	Thread	Screw-in depth min.-max. mm	Bore hole Ø mm	Bore hole depth mm	Dimension L mm	Perm. load range, tension zone kN	Pack. pcs	Weight kg/100 pcs.	Item No.
E M 6x30	M6	7 - 13	8	30	30	1.2	100	0.840	**3492900**
E M 8x40	M8	9 - 20	10	40	40	2	100	1.490	**3492910**
E M 10x40	M10	11 - 15	12	40	40	2	50	2.140	**3492920**
E M 12x50	M12	13 - 18	15	50	50	2.4	50	4.420	**3492930**

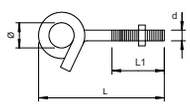
St Steel

G Electrogalvanised

Anchor for small loads in steel version

Ceiling hook





Type	Thread	Dimension d mm	Dimension L mm	Dim. L1 mm	Dimension d Ø mm	Washer Ø mm	Breaking load kN	Pack. pcs	Weight kg/100 pcs.	Item No.
948 TG6	M6	6	70	46	13	18	1	25	5.000	**3453820**

St Steel

G Electrogalvanised

Tightly wound ceiling hook. Including two large washers and nuts.

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Always indicate the item number when ordering.

Threaded rod

Type	Thread	Dimension d mm	Dimension L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
TR M6 1M G	M6	6	1000	10	18.300	**3141047**
TR M8 1M G	M8	8	1000	10	30.000	**3141128**
TR M10 1M G	M10	10	1000	10	49.000	**3141209**
TR M12 1M G	M12	12	1000	10	62.000	**3141306**
TR M6 2M G	M6	6	2000	10	36.600	**3141048**
TR M8 2M G	M8	8	2000	10	60.000	**3141136**
TR M10 2M G	M10	10	2000	10	98.000	**3141140**
TR M12 2M G	M12	12	2000	10	140.000	**3141144**





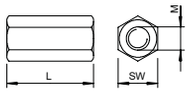
St Steel

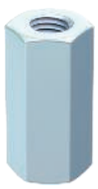
G Electrogalvanised

Threaded rod to DIN 976.

Connection sleeve

Type	Thread	Dimension L mm	SW mm	Pack. pcs	Weight kg/100 pcs.	Item No.
CSTR M8 G	M8	24	13	50	1.880	**6410081**
CSTR M10 G	M10	30	17	50	4.150	**6410103**
CSTR M12 G	M12	40	19	25	7.000	**6410111**





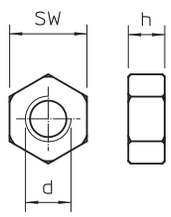
St Steel

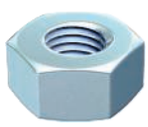
G Electrogalvanised

Connection sleeve with continuous internal thread.

Hexagonal nut DIN 934

Type	Thread	SW mm	Dimension h mm	Dimension d mm	Pack. pcs	Weight kg/100 pcs.	Item No.
HN M6 G	M6	10	5.2	6	100	0.221	**3400069**
HN M8 G	M8	13	6.8	8	100	0.500	**3400085**
HN M10 G	M10	17	8.4	10	100	1.014	**3400107**
HN M12 G	M12	19	10.8	12	100	1.730	**3400123**





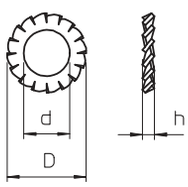
St Steel

G Electrogalvanised

Hexagonal nut to DIN 934 with metric thread.

Serrated washer DIN 6798

Type	Thread	Dimension d mm	Dimension D mm	Dimension h mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SWS M6 G	M6	6.4	11	2.1	100	0.036	**3404064**
SWS M8 G	M8	8.4	15	2.4	100	0.080	**3404080**
SWS M10 G	M10	10.5	18	2.7	100	0.125	**3404102**
SWS M12 G	M12	13	20.5	3	100	0.160	**3404129**





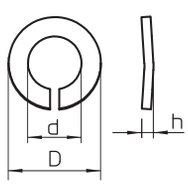
St Steel

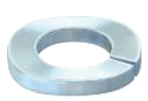
G Electrogalvanised

Serrated washer to DIN 6798, shape A.

Lock washer

Type	Thread	Dimension d mm	Dimension D mm	Dimension h mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LWS M6 G	M6	6.3	11.8	2.1	100	0.070	**3405060**
LWS M8 G	M8	8.3	14.8	2.6	100	0.130	**3405087**
LWS M10 G	M10	10.5	18.1	3	100	0.210	**3405109**
LWS M12 G	M12	12.5	21.1	3.5	100	0.320	**3405125**





St Steel

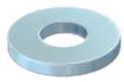
G Electrogalvanised

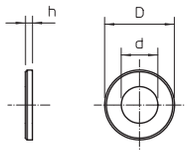
Lock washer according to DIN 128, shape A.

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Always indicate the item number when ordering.

Washer





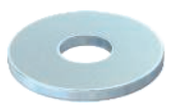
Type	Thread	Dimension d mm	Dimension D mm	Dimension h mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WS M6 D12 G	M6	6.4	12	1.6	100	0.114	**3402061**
WS M8 D16 G	M8	8.4	16	1.6	100	0.156	**3402088**
WS M10 D20 G	M10	10.5	20	2	100	0.408	**3402096**
WS M12 D24 G	M12	13	24	2.5	100	0.570	**3402126**

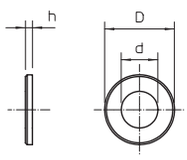
St Steel

G Electrogalvanised

Washer according to DIN 125, shape A, for universal use.

Large washer steel





Type	Thread	Dimension d mm	Dimension D mm	Dimension h mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WS M6 G20 G	M6	6.4	20	1.5	100	0.236	**3403076**
WS M8 G20 G	M8	8.4	20	1.5	100	0.227	**3403122**
WS M10 G30 G	M10	10.5	30	1.5	100	0.598	**3403165**

St Steel

G Electrogalvanised

Washer of particularly large outer diameter.

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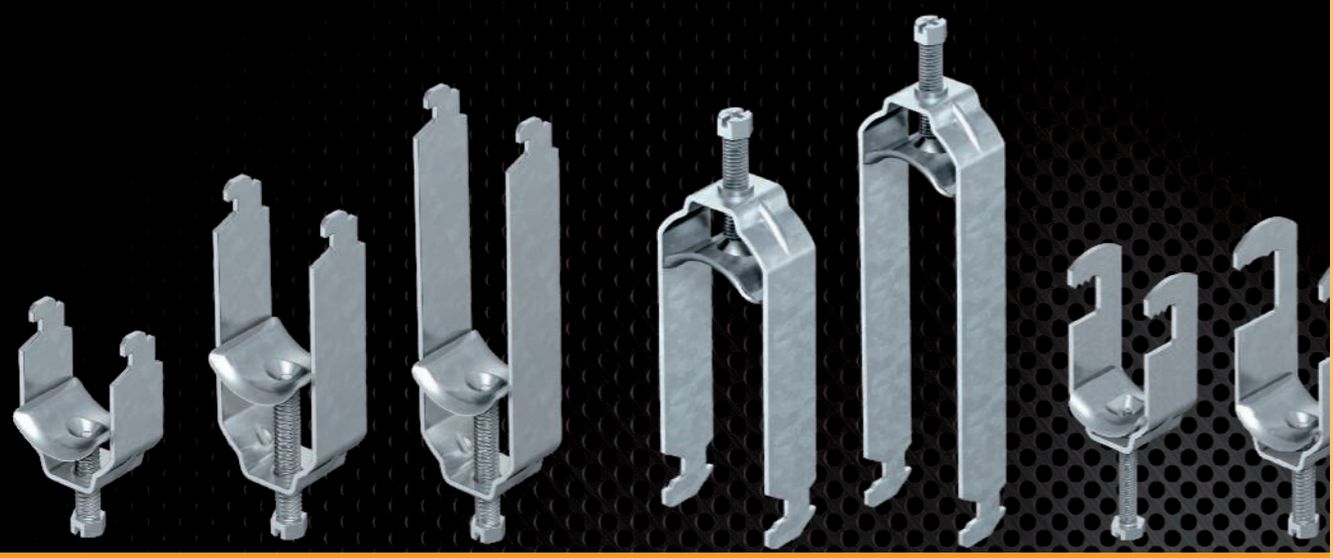
Always indicate the item number when ordering.

Clamp clip systems



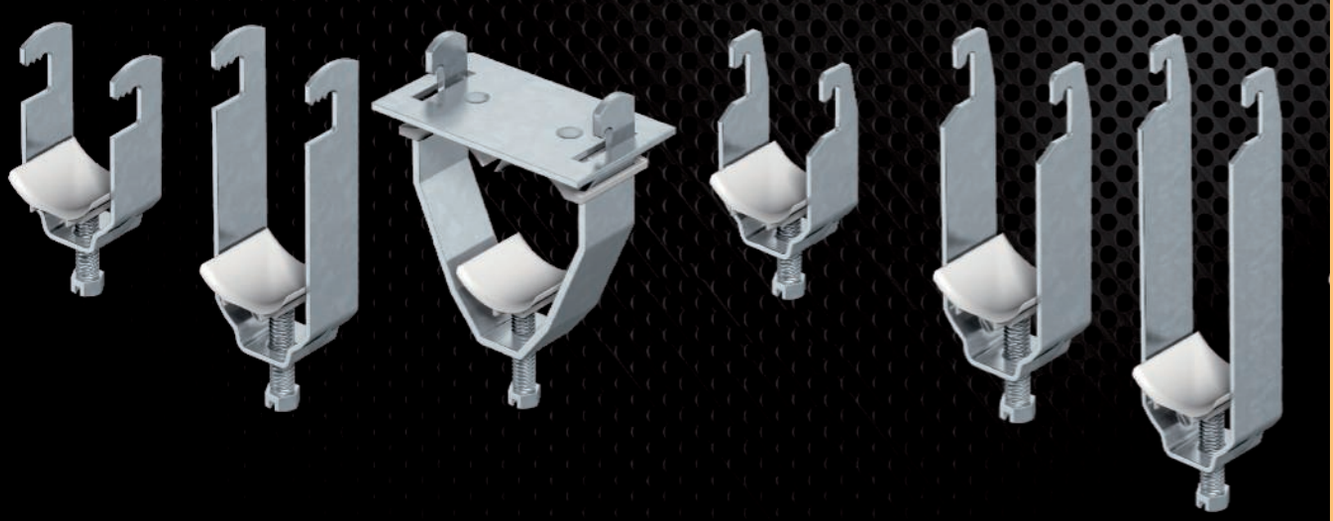
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Always indicate the item number when ordering.



Where quality and quantity meet. OBO clamp clips

Clamp clips allow cables and pipes to be fastened to profile rails and cable ladders. Clamp clips are available in three standard base shapes, but OBO even offers suitable clamp clips for mounting on angular or flat steel and round profiles. There are special versions of BBS clips available for bundling multiple installation cables and fixing single-wire cables in rotary current systems.



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Clamp clip, single, plastic pressure trough



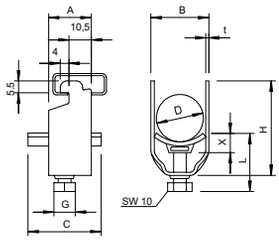
N | 11-12 | Fluor Chlor Brom Halogenfrei

Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2056N 12 FT	8 - 12	100	2.500	**1163124**
2056N 16 FT	12 - 16	100	2.750	**1163167**
2056N 22 FT	16 - 22	100	3.100	**1163221**
2056N 28 FT	22 - 28	100	4.600	**1163280**
2056N 34 FT	28 - 34	100	5.900	**1163345**
2056N 40 FT	34 - 40	100	5.970	**1163396**
2056N 46 FT	40 - 46	100	6.640	**1163469**
2056N 52 FT	46 - 52	100	7.270	**1163523**
2056N 58 FT	52 - 58	50	10.560	**1163582**
2056N 64 FT	58 - 64	50	11.200	**1163647**
2056N 70 FT	64 - 70	50	12.330	**1163701**

St Steel

FT Hot-dip galvanised

Suitable for all C profile rails with slot width 11–12 mm; at least 6.5 mm clear internal height and at least 18.5 mm clear internal width.
Clip and bolt made of hot-dip galvanised steel.
Polypropylene pressure trough, halogen-free, colour light grey RAL 7035.



Type	Clamping range D mm	Dimension A mm	Dimension B mm	Dimension C mm	Dimension G	Dimension t mm	Dimension x mm	Dimension H mm	Dimension L mm	Max. torque Nm
2056N 12 FT	8 - 12	20	16	34	M6	1.5	5	34	34	3
2056N 16 FT	12 - 16	20	20	34	M6	1.5	5	38	34	3
2056N 22 FT	16 - 22	20	27	34	M6	1.5	5	44	34	3
2056N 28 FT	22 - 28	20	33	34	M6	2	5	51	34	3
2056N 34 FT	28 - 34	20	39	34	M8	2	5.5	59	37.5	5
2056N 40 FT	34 - 40	20	45	34	M8	2	5.5	66	37.5	5
2056N 46 FT	40 - 46	20	51	40	M8	2	5.5	72	37.5	5
2056N 52 FT	46 - 52	20	57	40	M8	2	6.5	79	37.5	5
2056N 58 FT	52 - 58	23	64	40	M8	2.5	6.5	86	45.5	5
2056N 64 FT	58 - 64	23	70	40	M8	2.5	6.5	92	45.5	5
2056N 70 FT	64 - 70	23	76	40	M8	2.5	6.5	99	45.5	5

Clamp clip, single, metal pressure trough



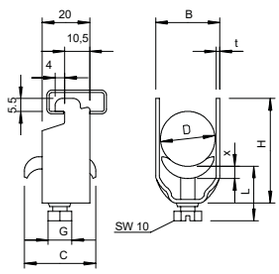
N | 11-12

Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2056N M 12 FT	8 - 12	100	2.450	**1155407**
2056N M 16 FT	12 - 16	100	2.800	**1155415**
2056N M 22 FT	16 - 22	100	3.150	**1155423**
2056N M 28 FT	22 - 28	100	4.900	**1155431**
2056N M 34 FT	28 - 34	100	6.400	**1155458**
2056N M 40 FT	34 - 40	100	7.000	**1155466**
2056N M 46 FT	40 - 46	100	8.500	**1155474**
2056N M 52 FT	46 - 52	100	9.150	**1155482**
2056N M 58 FT	52 - 58	100	12.100	**1155490**

St Steel

FT Hot-dip galvanised

Suitable for all C profile rails with slot width 11–12 mm; at least 6.5 mm clear internal height and at least 18.5 mm clear internal width; metal troughs have strongly rounded edges on all sides, so that there is no risk of cable damage.

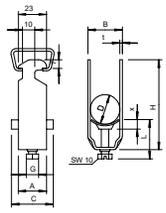


Type	Clamping range D mm	Dimension A mm	Dimension B mm	Dimension C mm	Dimension G	Dimension t mm	Dimension x mm	Dimension H mm	Dimension L mm	Max. torque Nm
2056N M 12 FT	8 - 12	20	16	30	M6	1.5	3.5	34	32.5	3
2056N M 16 FT	12 - 16	20	20	30	M6	1.5	3.5	38	32.5	3
2056N M 22 FT	16 - 22	20	27	30	M6	1.5	4.5	44	33.5	3
2056N M 28 FT	22 - 28	20	33	30	M6	2	4.5	51	33.5	3
2056N M 34 FT	28 - 34	20	39	35	M8	2	4.5	59	37	5
2056N M 40 FT	34 - 40	20	45	35	M8	2	5	66	37	5
2056N M 46 FT	40 - 46	20	51	35	M8	2	5	72	37	5
2056N M 52 FT	46 - 52	20	57	35	M8	2	5	79	37	5
2056N M 58 FT	52 - 58	23	64	35	M8	2.5	5	89	37	5

Always indicate the item number when ordering.

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Clamp clip, single, plastic pressure trough





Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2056 12 FT	8 - 12	100	3.540	**1160125**
2056 16 FT	12 - 16	100	3.820	**1160168**
2056 22 FT	16 - 22	100	4.508	**1160222**
2056 28 FT	22 - 28	100	6.240	**1160281**
2056 34 FT	28 - 34	100	7.680	**1160346**
2056 40 FT	34 - 40	100	8.260	**1160400**
2056 46 FT	40 - 46	100	10.900	**1160451**
2056 52 FT	46 - 52	100	11.900	**1160524**
2056 58 FT	52 - 58	100	14.300	**1160583**
2056 64 FT	58 - 64	100	15.600	**1160648**
2056 70 FT	64 - 70	50	18.200	**1160702**
2056 76 FT	70 - 76	25	20.600	**1160761**
2056 82 FT	76 - 82	25	22.000	**1160826**
2056 90 FT	82 - 90	25	26.200	**1160907**
2056 100 FT	90 - 100	25	27.800	**1160990**

St Steel

FT Hot-dip galvanised

Suitable for all C profile rails with slot width 16–17 mm.
Hot-dip galvanised steel clip and bolt, polypropylene pressure trough, halogen-free, colour light grey RAL 7035.

Dimensions

Type	Clamping range D mm	Dimension A mm	Dimension B mm	Dimension C mm	Dimension G	Dimension t mm	Dimension x mm	Dimension H mm	Dimension L mm	Max. torque Nm
2056 12 FT	8 - 12	23	16	34	M6	1.5	5	40	34	3
2056 16 FT	12 - 16	23	20	34	M6	1.5	5	44	34	3
2056 22 FT	16 - 22	23	27	34	M6	1.5	5	50	34	3
2056 28 FT	22 - 28	23	33	34	M6	2	5	58	34	3
2056 34 FT	28 - 34	23	39	34	M8	2	5.5	66	34	5
2056 40 FT	34 - 40	23	45	34	M8	2	5.5	72	37.5	5
2056 46 FT	40 - 46	23	51	40	M8	2	5.5	79	44.5	5
2056 52 FT	46 - 52	23	57	40	M8	2	6.5	86	44.5	5
2056 58 FT	52 - 58	23	64	40	M8	2.5	6.5	93	45.5	5
2056 64 FT	58 - 64	23	70	40	M8	2.5	6.5	99	45.5	5
2056 70 FT	64 - 70	23	76	40	M8	2.5	6.5	106	45.5	5
2056 76 FT	70 - 76	25	82	40	M8	2.5	6.5	114	45.5	5
2056 82 FT	76 - 82	25	88	40	M8	2.5	6.5	121	45.5	5
2056 90 FT	82 - 90	25	97	40	M8	3	6.5	130	57.5	5
2056 100 FT	90 - 100	25	107	40	M8	3	6.5	140	57.5	5

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Always indicate the item number when ordering.

Clamp clip, single, metal pressure trough



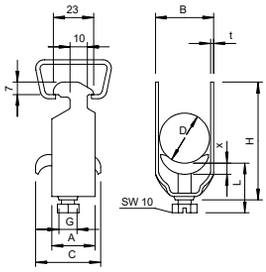
H | 16-17 | E30 | E90

Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2056 M 12 FT	8 - 12	100	3.200	**1156004**
2056 M 16 FT	12 - 16	100	3.500	**1156012**
2056 M 22 FT	16 - 22	100	4.400	**1156020**
2056 M 28 FT	22 - 28	100	6.100	**1156039**
2056 M 34 FT	28 - 34	100	7.700	**1156047**
2056 M 40 FT	34 - 40	100	8.600	**1156055**
2056 M 46 FT	40 - 46	100	9.600	**1156063**
2056 M 52 FT	46 - 52	100	10.400	**1156071**
2056 M 58 FT	52 - 58	100	13.100	**1156098**
2056 M 64 FT	58 - 64	100	14.500	**1156101**
2056 M 70 FT	64 - 70	50	16.100	**1156128**
2056 M 76 FT	70 - 76	25	18.300	**1156136**
2056 M 82 FT	76 - 82	25	19.100	**1156144**
2056 M 90 FT	82 - 90	25	23.300	**1156152**
2056 M 100 FT	90 - 100	25	24.500	**1156160**

St Steel

FT Hot-dip galvanised

Suitable for all C profile rails with slot width 16–17 mm.
Clip, bolt and pressure trough made of hot-dip galvanised steel.



Type	Clamping range D mm	Dimension A mm	Dimension B mm	Dimension C mm	Dimension G	Dimension t mm	Dimension x mm	Dimension H mm	Dimension L mm	Max. torque Nm
2056 M 12 FT	8 - 12	23	16	30	M6	1.5	3.5	40	32.5	3
2056 M 16 FT	12 - 16	23	20	30	M6	1.5	3.5	44	32.5	3
2056 M 22 FT	16 - 22	23	27	30	M6	1.5	4.5	50	46.5	3
2056 M 28 FT	22 - 28	23	33	30	M6	2	4.5	58	46.5	3
2056 M 34 FT	28 - 34	23	39	35	M8	2	5	66	44	5
2056 M 40 FT	34 - 40	23	45	35	M8	2	5	72	44	5
2056 M 46 FT	40 - 46	23	51	35	M8	2	5	79	44	5
2056 M 52 FT	46 - 52	23	57	35	M8	2	5	86	44	5
2056 M 58 FT	52 - 58	23	64	35	M8	2.5	5	93	44	5
2056 M 64 FT	58 - 64	23	70	35	M8	2.5	5	99	56	5
2056 M 70 FT	64 - 70	25	76	35	M8	2.5	5	106	56	5
2056 M 76 FT	70 - 76	25	82	40	M8	2.5	5	114	56	5
2056 M 82 FT	76 - 82	25	88	40	M8	2.5	5	121	56	5
2056 M 90 FT	82 - 90	25	97	40	M8	3	5	130	56	5
2056 M 100 FT	90 - 100	25	107	40	M8	3	5	140	56	5

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Always indicate the item number when ordering.

Clamp clip, hammer-head base, 3x single-wire connection



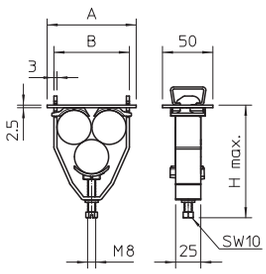
Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2056 E 31 FT	28 - 31	25	19.500	**1174606**
2056 E 37 FT	34 - 37	25	24.600	**1174614**
2056 E 44 FT	40 - 44	25	28.300	**1174630**

St Steel

FT Hot-dip galvanised

Clip element, bolt and lock plate made of hot-dip galvanised steel,
pressure and counter-trough made of polypropylene, halogen-free, light grey RAL 7035.
Delivered complete with lock plate and counter-troughs.

Type	Clamping range D mm	Dimension A mm	Dimension B mm	Dimension H mm	Max. torque Nm
2056 E 31 FT	28 - 31	83	69	107	5
2056 E 37 FT	34 - 37	95	81	118	5
2056 E 44 FT	40 - 44	109	95	143	5



Clamp clip, U base, 3x single-wire connection



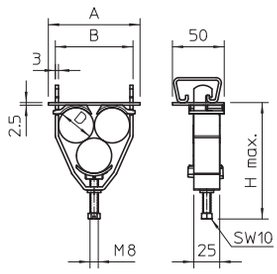
Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2056U-E28 FT	25 - 28	25	20.000	**1174509**
2056U-E31 FT	28 - 31	25	19.500	**1174541**
2056U-E34 FT	31 - 34	25	23.000	**1174517**
2056U-E37 FT	34 - 37	25	24.600	**1174568**
2056U-E40 FT	37 - 40	25	26.000	**1174525**
2056U-E44 FT	40 - 44	25	28.300	**1174576**

St Steel

FT Hot-dip galvanised

Clip element, bolt and lock plate made of hot-dip galvanised steel,
pressure and counter-trough made of polypropylene, halogen-free, light grey RAL 7035.
Delivered complete with lock plate and counter-troughs.

Type	Clamping range D mm	Dimension A mm	Dimension B mm	Dimension H mm	Max. torque Nm
2056U-E28 FT	25 - 28	77	63	101	5
2056U-E31 FT	28 - 31	83	69	107	5
2056U-E34 FT	31 - 34	89	75	112	5
2056U-E37 FT	34 - 37	95	81	118	5
2056U-E40 FT	37 - 40	101	87	123	5
2056U-E44 FT	40 - 44	109	95	143	5



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Transient and lightning protection systems



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Always indicate the item numbe[illegible] ordering.

OBO Construct planning aids

When a building protected by a lightning conductor is struck directly by lightning, then dangerous fires and damage may be caused between the building and the systems leading into it (power supply, data cables) due to large differences in potential. This online tool aids you in the selection and connection of suitable surge protection systems for your individual project and provides you with information on the OBO surge protection systems.

You can create your personal materials list, connection diagram and invitation to tender text quickly, efficiently and in a targeted manner for the complete surge protection in the fields of energy technology, photovoltaics, telecommunication, MSR, TV, HF and data technology,and export them easily into the Excel format for further processing.
System requirements:
Up-to-date standard browser
Internet access

Benefits

- Generation of materials lists, circuit diagrams and invitations to tender
- For quick and easy application
- Platform-independent
- Easy export function to the Excel format



Always indicate the item number when ordering.

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Reference work and planning aid for electrical installation engineers and technical planners
At OBO Bettermann, we can look back on more than 90 years of experience in the field of lightning and surge protection. This experience and, of course, the latest standards and technical innovations have flowed into the company's new lightning protection guide. The brochure allows you to plan installations in the field of lightning and surge protection faster and more easily.

It contains a balanced mixture of both basic and expert knowledge, as well as planning and selection aids for the protection of buildings and systems.

The new lightning protection guide can be requested by calling +49 2373 89 - 1700 and is also available for download on the OBO website.



Topics

- Basic principles
- The external lightning protection system
- Air-termination and down-conductor systems
- Examples and selection aids for wind load calculation conform with Eurocode 1+3
- Earthing systems with foundation earther to current DIN 18014
- The internal lightning protection system
- Equipotential bonding systems
- Overvoltage protection systems
- Current standards
- New selection and planning aids
- Examples

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Surge protection made easy - TBS selection guide





Customer Service Germany
+49 2373 89-1700

E-Mail
export@obo.de

Internet
www.obo-bettermann.com

5 YEARS PRODUCT WARRANTY

Initial situation

- No external lightning protection system
- Earthing cable-connection

or

- External lightning protection system (acc. to VDE 0185-305/ DIN EN 62305/ IEC 62305)
- Open line connection (acc. to VdS 2031)
- Earthed antenna structures (Recommendation)

1 Installation location
- Installation in the main distributor box
- Basic protection/Type 1, Type 2
- Primary meter area or combined distributor

2 Installation location
- Installation in the/each sub-distributor box
- Medium protection/Type 2

3 Installation location
- Installation in front of terminal
- Fine protection/Type 3

Distance < 10 m

Private building (e.g. single family house)
Distance between main distributor box and sub-distributor box and/or combined distributor.

TN TT **V10 Compact**
63 A*, 2,5 DU**
With visual signalling
With audible signalling (AS),
With remote signalling (RS),
Type 2, type 3
Secondary meter area
Item no. **5093 38 0**
Item no. **5093 39 1**
Item no. **5093 38 2**

→ Not required

Distance > 10 m

Apartment buildings
Industry/commerce
Distance between main distributor box and sub-distributor box and/or combined distributor.

TN TT **V20-3+NPE-280**
160 A*, 4 DU**
With visual signalling
With remote signalling (RS)
Type 2
Secondary meter area
Item no. **5095 25 3**
Item no. **5095 33 3**

→ TN TT **V20-3+NPE-280**
160 A*, 4 DU** Type 2
With visual signalling,
Item no. **5095 25 3**
With remote signalling (RS)
Item no. **5095 33 3**
Type 2
Secondary meter area

Distance < 10 m

TN TT **V20-3+NPE-280**
160 A*, 4 DU**
With visual signalling
With remote signalling (RS)
Type 2
Secondary meter area
Item no. **5095 25 3**
Item no. **5095 33 3**

→ Not required

Distance > 10 m

Buildings of lightning protection classes III and IV (e.g. housing and commercial and office buildings)
Distance between main distributor box and sub-distributor box and/or combined distributor.

TN TT **V50-3+NPE-280**
160 A*, 4 DU**
With visual signalling
With remote signalling (RS)
Type 1+2
Secondary meter area
Item no. **5093 52 6**
Item no. **5093 53 3**

→ TN TT **V20-3+NPE-280**
160 A*, 4 DU** Type 2
With visual signalling,
Item no. **5095 25 3**
With remote signalling (RS)
Item no. **5095 33 3**
Type 2
Secondary meter area

Distance < 10 m

TN TT **V50-3+NPE-280**
160 A*, 4 DU**
With visual signalling
With remote signalling (RS)
Type 1+2
Secondary meter area
Item no. **5093 52 6**
Item no. **5093 53 3**

→ Not required

Distance < 10 m

Buildings of lightning protection class I to IV (e.g. industrial buildings, computer centres and hospitals)
Distance between main distributor finished sub-distributor box and/ or combined distributor.

TN-C **MCD 50-B/3**
600 A*, 3x 2 DU**
Type 1
Primary or secondary meter area
Item no. **5096 87 7**

TN-S TT **MCD 50-B/3+1**
500 A*, 4x 2 DU**
Type 1
Primary or secondary meter area
Item no. **5096 87 5**

→ Not required

Distance > 10 m

TN-C **MCD 50-B/3**
500 A*, 3x 2 DU**
Type 1
Primary or secondary meter area
Item no. **5096 87 7**

TN-S TT **MCD 50-B/3+1**
500 A*, 4x 2 DU**
Type 1
Primary or secondary meter area
Item no. **5096 87 9**

→ TN TT **V20-3+NPE-280**
160 A*, 4 DU** Type 2
With visual signalling,
Item no. **5095 25 3**
With remote signalling (RS)
Item no. **5095 33 3**
Type 2
Secondary meter area

FineController FC-D
Universal fine protection use as socket adapter device,
16 A*
Art.-No. **5092800**

FineController FC-TV-D
Fine protection device with integrated surge protection module for TV supply cable, incl. adapter cable, 16 A*
Item no. **5092808**

FineController FC-SAT-D
Fine protection device with integrated surge protection module for SAT supply cable, incl. adapter cable 16 A*
Item no. **5092816**

FineController FC-TAE-D
Fine protection device with integrated surge protection module for power supply to telecom equipment (TAE connector) for the protection of ISDN S $_0$ -NTBA, DSL splitters or analogue devices incl. adapter cable, 16 A*
Item no. **5092824**

FineController FC-ISDN-D
Fine protection device with integrated surge protection module for ISDN, terminals, incl. adapter cable, 16 A*
Item no. **5092812**

V 10 Compact
Surge protection devices, Type 2+3 for rotary current systems (3 phases, N, PE) For installation in sub-distributor boxes or in switch cabinets
63 A*, 2,5 DU**

With visual function display
V 10 Compact Item no. **5093380**
With audible signalling (AS)
V 10 Compact-AS Item no. **5093391**
With remote signalling (RS)
V 10 Compact-FS Item no. **5093 38 2**

CNS-3-D
Universal fine protection with additional audible error signalling and 3x socket bar,
16 A*
Item no. **5092701**

ÜSM-A and ÜSM-A-2
Surge protection module universal, for stationary installation in standard concealed or duct installation boxes.
With audible signalling, 16 A*
Item no. **5092451**
Item no. **5092460**

ÜSS 45-O und ÜSS 45-A
Surge protection module 45 for stationary installation in Rapid 45 ducts, dado ducts and underfloor systems, 16 A*

With visual function display
ÜSS 45-O
Item no. **6117473**

With audible function display
ÜSS 45-A
Item no. **6117465**

VF 230-AC/DC
Surge protection device, suitable for installation in sub-distributor boxes or in switch cabinets.
20 A*, 1 DU**

With visual signalling
Item no. **5097 65 0**

With remote signalling (RS)
Item no. **5097 85 8**

ÜSM-ST-230-1P+PE
Surge protection for retrofitting on standard Schuko sockets
Thermal cut-off unit with acoustic defect signalling, 16A*
Item no. **5092 44 1**

*If upstream protection > than indicated value: selective protection of arrestors with indicated value

** Dividing unit = 17,5 mm grid width for top hat fixing rail

Always indicate the item number when ordering.

Surge protection made easy - TBS selection guide

Telecommunications

Situation Please select the appropriate connection type	1 Installation location ■ Behind the TC transfer point/building entry point ■ Basic protection device or combined protection device	2 Installation location ■ At TC terminal/modem/PC ■ Fine protection device
DSL connection + analogue telephone	**Teledefender TD-2D-V** Installation in front of DSL splitter Item no. **5081 69 8**	**RJ11-Tele/4-F** Installation in front of analogue terminals Item no. **5081 97 7** **Net Defender** Data cable protection device for high-speed networks Item no. **5081 80 0**
IP-Telefonie		
DSL + ISDN	**Teledefender TD-2D-V** Installation in front of DSL splitter Item no. **5081 69 8**	**Net Defender** Data cable protection device for high-speed networks Item no. **5081 80 0** **FC-TAE-D** Fine protection device with integrated surge protection module for power supply to telecom equipment (TAE connector) 16 A* Item no. **5092 82 4**
ISDN	**Teledefender TD-4/I** for NTBA Art.-Nr. **5081 69 0** **FC-TAE-D** Fine protection device with integrated surge protection module for power supply to telecom equipment (TAE connector) 16 A* Item no. **5092 82 4**	**Net Defender** Data cable protection device for high-speed networks Item no. **5081 80 0** **Alternatively** **FineController FC-ISDN-D** Fine protection device with integrated surge protection module for ISDN, terminals, incl. adapter cable, 16 A* Item no. **5092 81 2**

Data technology

Initial situation Please select the appropriate cable type	1 Installation location ■ Installation in Front of the server	2 Installation location ■ Installation on the switch	3 Installation location ■ Installation in front of the (PC, IP camera)
Netzwerke Class EA / CAT 6A	**Net Defender** Data cable protection device for high-speed networks Item no. **5081 80 0**	**Net Defender** Data cable protec-tion devicefor high-speed networks Item no. **5081 80 0**	**Net Defender** Data cable protection device for high-speed networks Item no. **5081 80 0**
CCTV application	Protection of IP-based CCTV	**Net Defender** Data cable protection device for high-speed networks Item no **5081 80 0**	
	Protection of coaxial-based CCTV	**Koax B-E2 FF-F** Data cable protection device for coaxial systems item no. **5082 43 4** **Koax B-E2 MF-F** Data cable protection device for coaxial systems Item no. **5082 43 2** **Alternatively**	
Power supply	**CNS-3-D** Item no. **5092701** **V10 Compact** for the sub-distributor and/or switch cabinet Item no. **5093380**	**CNS-3-D** Item no. **5092701**	**CNS-3-D** Item no. **5092701** **alternativ** **FineController FC-D** Fine protection 230 V Item no. **5092800**

TV, video, SAT and radio

Initial situation Please select the right application	1 Installation location ■ Installation between BC transition point and booster	2 Installation location ■ Installation in front of each terminal device (TV/video/hi-fi)
Broadband (Cable TV)	**DS-F m/f** Item no. **5093275** **DS-F f/f** Item no. **5093272**	**FineController FC-TV-D** Fine protection devices with integrated surge protection module for TV supply cable for the protection of TV units and/or video recorders, incl. adapter cable Item no. **5092808**
SAT reception system ■ With receiver (e.g. in single family house)	■ Installation between LNB and receiver/multi switch, directly on device to be protected **DS-F m/f** Item no. **5093275** **DS-F f/f** Item no. **5093272** **TV 4+1** Compact protection device (4x SAT, 1x terrestrial) Item no. **5083400**	■ Installation in front of each terminal (receiver and/or TV/video/hi-fi) **FineController FC-SAT-D** Fine protection devices with an integrated surge protection module for the TV/SAT supply cable for the protection of TV/SAT receivers, incl. adapter cable Item no. **5092816**
SAT reception system ■ With multi switch ■ With multi-LNB (e.g. in apartment bldg.)	**DS-F m/f** Item no. **5093275** **DS-F f/f** Item no. **5093272** **TV 4+1** Compact protection device (4x SAT, 1x terrestrial) Item no. **5083400**	**FineController FC-SAT-D** Fine protection devices with an integrated surge protection module for the TV/SAT supply cable for the protection of TV/SAT receivers, incl. adapter cable Item no. **5092816**
Terrestrial receiver unit ■ Analogue TV ■ DVB-T	■ Installation between antenna and booster **DS-F m/f** Item no. **5093275** **DS-F f/f** Item no. **5093272**	■ Installation in front of each terminal (TV/Video/hi-fi) **FineController FC-TV-D** Fine protection devices with an integrated surge protection module for the TV supply cable for the protection of TV units and/or video recorders, incl. adapter cable. Item no. **5092808**

Surge protection energy technology, arrestor, type 1+2



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Always indicate the item number when ordering.

Combination arrestor, 3-pole + NPE

Type 1+2 | LPZ 0→2 | 230/400 V System

Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
MCD 50-B 3+1	255	3 + NPE	1	168.000	**5096879**



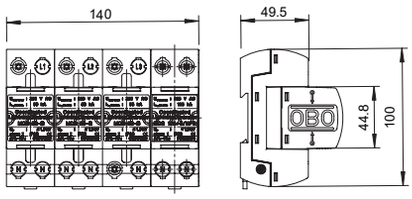
Combination arrestor, lightning current arrestor, type 1+2, 4-pole, for use in TT and TN-S networks.

Completely pre-terminated and ready for connection, consisting of:
3 x MCD 50-B: Coordinated lightning current arrestor, type 1+2 to EN 61643-11 and
1 x MCD 125-B/NPE: Coordinated N-PE spark gap, type 1+2 to EN 61643-11. For interface 0 to 2 (LPZ) in accordance with lightning protection zone concept to IEC 61312-1 and/or VDE 0185-305.

- Lightning protection equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current arresting capacity to 50 kA (10/350) per pole and up to 125 kA (10/350) in total
- Protection level < 1.7 kV allows device protection
- Short-circuit resistance 10 kA, arrestor backup fuse to 500 A gL/gG
- Suitable for use in pre-meter area according to the VDEW directive
- Encapsulated, non-extinguishing spark gap

Application: Industrial systems and buildings with external lightning protection of the highest class I to IV.

Dimensions



Combination arrestor MCD, 255 V for TN and TT networks

Combination arrestor, 3-pole

Type 1+2 | LPZ 0→2 | 230/400 V System

Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
MCD 50-B 3	255	3-pole	1	117.000	**5096877**



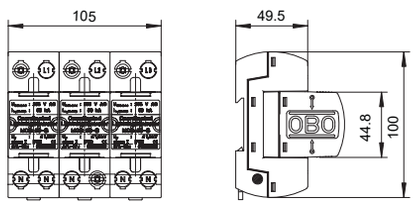
Combination arrestor, lightning current arrestor, type 1+2, 3-pole, for use in TN-C networks.

Completely pre-terminated and ready for connection, consisting of:
3 x MCD 50-B: Type 1+2 (Class B) coordinated lightning current arrestor EN 61643-11. For interface 0 to 2 (LPZ) in accordance with lightning protection zone concept to IEC 61312-1 and/or VDE 0185-305.

- Lightning protection equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current arresting capacity to 50 kA (10/350) per pole and up to 150 kA (10/350) in total
- Protection level < 1.7 kV allows device protection
- Short-circuit resistance 10 kA, arrestor backup fuse to 500 A gL/gG
- Suitable for use in pre-meter area according to the VDEW directive
- Encapsulated, non-extinguishing spark gaps

Application: Industrial systems and buildings with external lightning protection of the highest class I to IV.

Dimensions



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Always indicate the item number when ordering.

Combination arrestor, 3-pole with function display

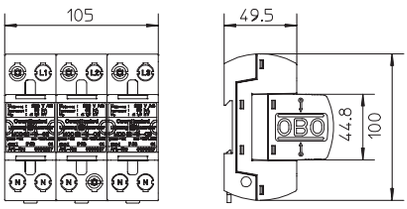


Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
MCD 50-B 3-OS	255	3-pole	1	118.000	**5096835**

Combination arrestor set, type 1+2, 3-pole, with visual function display, for use in TN-C networks:

Completely pre-terminated and ready for connection, consisting of:
3 x MCD 50-B-OS: Type 1+2 coordinated lightning current arrestors to DIN EN 61643-11. For interface 0 to 2 (LPZ) in accordance with lightning protection zone concept to IEC 61312-1 and/or VDE 0185-305.

Dimensions



- Lightning protection equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current arresting capacity to 50 kA (10/350) per pole and up to 150 kA (10/350) in total
- Protection level < 1.7 kV allows device protection
- Short-circuit resistance 10 kA, arrestor backup fuse to 500 A gL/gG
- Power consumption < 26 mW/pole
- Suitable for use in pre-meter area according to the VDEW directive
- Encapsulated, non-extinguishing spark gaps

Application: Industrial systems and buildings with external lightning protection of Classes I to IV.

Combination arrestor MCD, 255 V for TN and TT networks

Combination arrestor, 1-pole



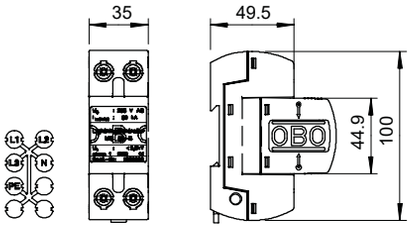
Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
MCD 50-B	255	1-pole	1	34.400	**5096849**

Combination arrestor, lightning current arrestor, type 1+2, for use in TN and TT networks

- Lightning protection equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current arresting capacity to 50 kA (10/350) per pole and up to 150 kA (10/350) in total
- Protection level < 1.7 kV allows device protection
- Short-circuit resistance 10 kA, arrestor backup fuse to 500 A gL/gG
- Suitable for use in pre-meter area according to the VDEW directive
- Encapsulated, non-extinguishing spark gaps

Application: Industrial systems and buildings with external lightning protection of Classes I to IV.

Dimensions



Always indicate the item number when ordering.

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Combination arrestor, 1-pole with function display

Type 1+2 | LPZ 0→2 | 230/400 V System

Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
MCD 50-B-OS	255	1-pole	1	34.800	**5096852**



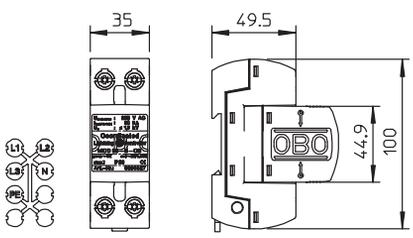
Combination arrestor, type 1+2, 1-pole, for use in TN and TT networks:

MCD 50-B-OS: Coordinated lightning current arrestor, Type 1 (Class B) to EN 61643-11 with visual function display. For interface 0 to 2 (LPZ) in accordance with lightning protection zone concept to IEC 61312-1 and/or DIN VDE 0185-305.

- Arresting capacity 50 kA (10/350 µs) per pole
- Power consumption < 26 mW/pole
- Protection level < 1.3 kV
- Line follow current quenching 25 kA Ipeak
- Incl. plug caps for identifying the connections
- Encapsulated, non-extinguishing spark gap
- Can be used in standard distributor housings.

Application: Compact surge protection concepts and installations in a distributor.

Dimensions



Combination arrestor MCD, 255 V for TN and TT networks

Combination arrestor, 1-pole NPE

Type 1+2 | LPZ 0→2 | 230/400 V System

Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
MCD 125-B NPE	255	NPE	1	46.500	**5096865**



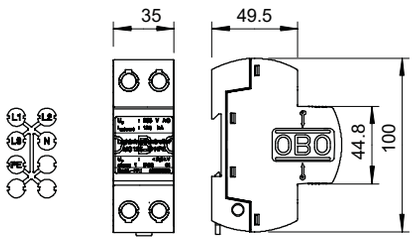
Combination arrestor, lightning current arrestor, type 1+2, N-PE, for use in TN-S and TT networks.

MCD 125-B/NPE: Coordinated N-PE spark gap, type 1+2 to EN 61643-11. For interface 0 to 2 (LPZ) in accordance with lightning protection zone concept to IEC 61312-1 and/or VDE 0185-305.

- Arresting capacity 125 kA (10/350 µs)
- Conforms to VDN Directive 2nd Edition 2004
- Incl. plug caps for identifying the connections
- Protection level < 1.5 kV, allows device protection
- Encapsulated, non-extinguishing spark gap

Application: Industrial systems and buildings with external lightning protection of Classes I to IV.

Dimensions



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Always indicate the item number when ordering.

Combination arrester in VG housing for TN-S and TT network systems

VG housing with MCD 50-B/3+1



IP 65 | 230/400 V System | Type 1 | LPZ 0→2 | Type 2

Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
MCD 50-B 3+1-VG	255	3 + NPE	1	290.000	**5096875**

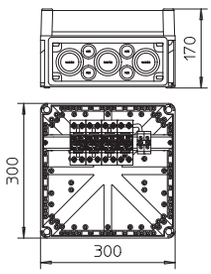
Combination arrestor, pre-installed in IP65 housing for use in TN-S and TT networks.

VG...: Lightning arrestor system solution type 1+2 according to DIN EN 61643-11.

- LightningController MCD 50-B and MCD 125-B/NPE mounted in insulating housing IP 65, sealable housing
- Pulsed current 125 kA (10/350 µs), BET-tested
- Conforms to requirements of VDN Directive
- Protection level < 1.7 kV (L-N) and < 1.5 kV (N-PE)
- Enclosed, non-extinguishing discharge gap
- Suitable for TN-S and TT network systems

Application example: The system solution is used in the pre-meter area according to VDN Directive.

Dimensions



Combination arrestor, protection set for TN and TT network systems

Protection set MCD + V20 1-pole + NPE



230/400 V System | Type 1+2 | LPZ 0→2

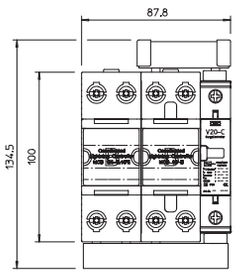
Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
PS 2-B+C/TT+TNS	255	1 + NPE	1	101.000	**5089748**

Protection set, lightning and surge arrestor combination, type 1+2

- For lightning protection equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current arresting capacity to 50 kA (10/350) per pole and up to 125 kA (10/350) N-PE
- Arrestor, connectable, including connecting bridges, labelled connection terminals
- Encapsulated, non-extinguishing arrestor for use in distributor housings

Application: Mobile telecommunications systems and industrial systems with special requirements.

Dimensions



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Always indicate the item number when ordering.

Combination arrestor upper part

Type 1+2 | LPZ 0→2 | 230/400 V System

Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
MCD 50-B 0	255	1-pole	1	19.200	**5096822**



Combination arrestor, lightning current arrestor, type 1+2, upper part.

- Protection level < 1.7 kV, allows device protection
- Line current quenching capacity 10 kA
- Encapsulated, non-extinguishing spark gap

Application: Industrial systems and buildings with external lightning protection of Classes I to IV.

Upper part, combination arrestor with function display

Type 1+2 | LPZ 0→2 | 230/400 V System

Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
MCD 50-B 0-OS	255	1-pole	1	19.500	**5096827**



Combination arrestor, lightning current arrestor, type 1+2, upper part with visual display.

- Lightning current arresting capacity 50 kA (10/350)
- Power consumption < 26 mW/pole
- Protection level < 1.7 kV
- Line current quenching capacity 10 kA
- Encapsulated, non-extinguishing spark gap

Application: Installations of surge protection devices, type 1+2, in a distribution.

Lightning arrestor/combination arrestor base

Type	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
MC 50-B U VDE	1-pole	1	18.000	**5096839**



MC 50-B/U: LightningController bottom section fit type:

- MC 50-B VDE
- MCD 50-B
- Including plug caps for identifying the connections

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Always indicate the item number when ordering.

Surge protection energy technology, arrestor, type 1+2: The plus of the V50 family

- Connectable lightning current and surge arrestors
- High arresting capacity up to 50 kA (10/350)
- Visual status display
- Available with optional remote signalling
- Vibration-proof
- For buildings with lightning protection
- Simple standard DIN rail mounting
- Labelled connections
- Usable in systems with lightning protection class III + IV
- Connectable NPE module
- Voltage encoding



V50 combination arrester

Function and areas of use
The combination lightning current and surge arrestors V50 meet the type 1+2 requirement class according to IEC 61643-11. These devices protect low-voltage consumer systems from overvoltages of all types and are available in single-pole to four-pole versions. The use of high-performance varistors permits a rapid response time and a low protection level, without any line follow current. If circumstances are uncertain and there is a risk of fire from an overload, the internal cut-off unit disconnects the arrestor from the mains if necessary. In addition, the QR code printed on the arrestor allows direct access to the online installation instructions.

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Always indicate the item number when ordering.

Combination arrestor V50, 1-pole 280 V

LPZ 0→2 | Type 1+2 | FS

Type	Highest continuous voltage AC V	Pole version	Protection rating	Pack. pcs	Weight kg/100 pcs.	Item No.
V50-1-280	280	1	IP20	1	16.400	**5093500**

PA Polyamide

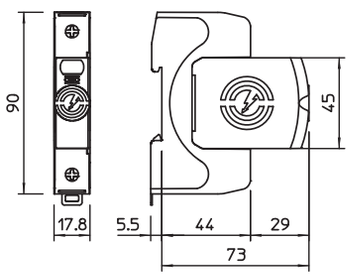
Lightning current combination arrestor, type 1+2

- For lightning current equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current arresting capacity of 12.5 kA (10/350) per pole and up to 50 kA (10/350) in total
- Modular, plug-in arrestor with cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage keying
- Plastic to UL 94 V-0
- The remote signalling (FS) variants have a potential-free changeover contact for remote signalling

Application: Lighting current equipotential bonding for buildings of class III and IV.



Dimensions



Combination arrestor V50, 1-pole with FS 280 V

LPZ 0→2 | Type 1+2 | FS

Type	Highest continuous voltage AC V	Pole version	Protection rating	Pack. pcs	Weight kg/100 pcs.	Item No.
V50-1+FS-280	280	1	IP20	1	16.600	**5093502**

PA Polyamide

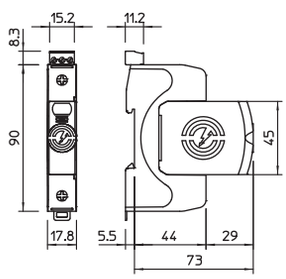
Lightning current combination arrestor, type 1+2

- For lightning current equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current arresting capacity of 12.5 kA (10/350) per pole and up to 50 kA (10/350) in total
- Modular, plug-in arrestor with cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage keying
- Plastic to UL 94 V-0
- The remote signalling (FS) variants have a potential-free changeover contact for remote signalling

Application: Lighting current equipotential bonding for buildings of class III and IV.



Dimensions



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Always indicate the item number when ordering.

Combination arrestor V50, 3-pole 280 V



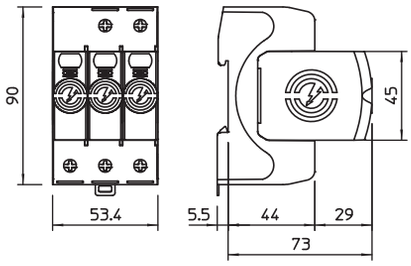
Type	Highest continuous voltage AC V	Pole version	Protection rating	Pack. pcs	Weight kg/100 pcs.	Item No.
V50-3-280	280	3	IP20	1	46.500	**5093511**

Lightning current combination arrestor, type 1+2

- For lightning current equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current arresting capacity of 12.5 kA (10/350) per pole and up to 50 kA (10/350) in total
- Modular, plug-in arrestor with cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage keying
- Plastic to UL 94 V-0
- The remote signalling (FS) variants have a potential-free changeover contact for remote signalling

Application: Lighting current equipotential bonding for buildings of class III and IV.

Dimensions



Combination arrestor V50, 3-pole with FS 280 V



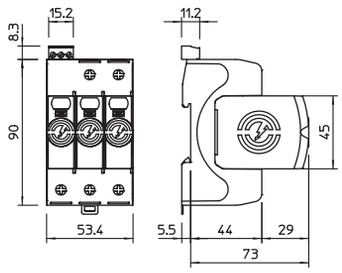
Type	Highest continuous voltage AC V	Pole version	Protection rating	Pack. pcs	Weight kg/100 pcs.	Item No.
V50-3+FS-280	280	3	IP20	1	46.900	**5093516**

Lightning current combination arrestor, type 1+2

- For lightning current equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current arresting capacity of 12.5 kA (10/350) per pole and up to 50 kA (10/350) in total
- Modular, plug-in arrestor with cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage keying
- Plastic to UL 94 V-0
- The remote signalling (FS) variants have a potential-free changeover contact for remote signalling

Application: Lighting current equipotential bonding for buildings of class III and IV.

Dimensions



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Combination arrestor V50, 1-pole + NPE 280 V

LPZ 0→2 | Type 1+2

Type	Highest continuous voltage AC V	Pole version	Protection rating	Pack. pcs	Weight kg/100 pcs.	Item No.
V50-1+NPE-280	280	1+N/PE	IP20	1	30.300	**5093522**

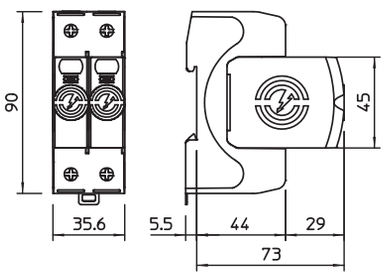
Lightning current combination arrestor, type 1+2

- For lightning current equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current arresting capacity of 12.5 kA (10/350) per pole and up to 50 kA (10/350) in total
- Modular, plug-in arrestor with cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage keying
- Plastic to UL 94 V-0
- The remote signalling (FS) variants have a potential-free changeover contact for remote signalling

Application: Lighting current equipotential bonding for buildings of class III and IV.



Dimensions



Combination arrestor V50, 1-pole + NPE with FS 280 V

LPZ 0→2 | Type 1+2 | FS

Type	Highest continuous voltage AC V	Pole version	Protection rating	Pack. pcs	Weight kg/100 pcs.	Item No.
V50-1+NPE+FS-280	280	1+N/PE	IP20	1	30.600	**5093531**

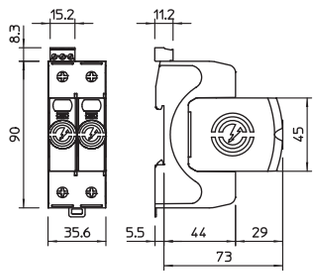
Lightning current combination arrestor, type 1+2

- For lightning current equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current arresting capacity of 12.5 kA (10/350) per pole and up to 50 kA (10/350) in total
- Modular, plug-in arrestor with cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage keying
- Plastic to UL 94 V-0
- The remote signalling (FS) variants have a potential-free changeover contact for remote signalling

Application: Lighting current equipotential bonding for buildings of class III and IV.



Dimensions



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Always indicate the item number when ordering.

Combination arrestor V50, 3-pole + NPE 280 V



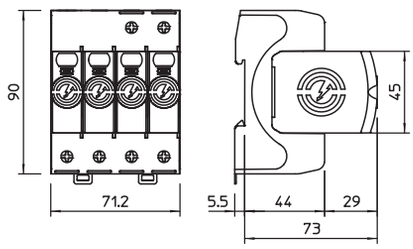
Type	Highest continuous voltage AC V	Pole version	Protection rating	Pack. pcs	Weight kg/100 pcs.	Item No.
V50-3+NPE-280	280	3+N/PE	IP20	1	58.800	**5093526**

Lightning current combination arrestor, type 1+2

- For lightning current equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current arresting capacity of 12.5 kA (10/350) per pole and up to 50 kA (10/350) in total
- Modular, plug-in arrestor with cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage keying
- Plastic to UL 94 V-0
- The remote signalling (FS) variants have a potential-free changeover contact for remote signalling

Application: Lighting current equipotential bonding for buildings of class III and IV.

Dimensions



Combination arrestor V50, 3-pole + NPE with FS 280 V



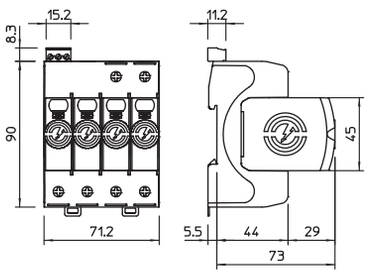
Type	Highest continuous voltage AC V	Pole version	Protection rating	Pack. pcs	Weight kg/100 pcs.	Item No.
V50-3+NPE+FS-280	280	3+N/PE	IP20	1	59.300	**5093533**

Lightning current combination arrestor, type 1+2

- For lightning current equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current arresting capacity of 12.5 kA (10/350) per pole and up to 50 kA (10/350) in total
- Modular, plug-in arrestor with cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage keying
- Plastic to UL 94 V-0
- The remote signalling (FS) variants have a potential-free changeover contact for remote signalling

Application: Lighting current equipotential bonding for buildings of class III and IV.

Dimensions



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Lightning current and surge arrestor, 1-pole + NPE

Type 1+2 | LPZ 0→2 | Mu

Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V50-B+C 1+NPE	280	1+NPE	1	31.300	**5093653**

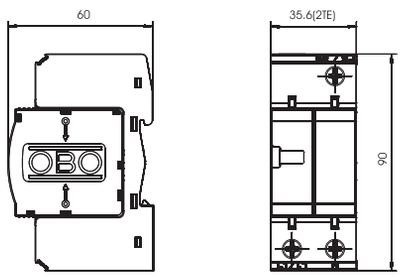


Combination arrestor set, lightning and surge arrestor Type 1+2 to DIN EN 61643-11 (B+C to VDE 0675 part 6).

- For lightning protection equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current arresting capacity 12.5 kA (10/350) per pole and 50 kA (10/350) in total
- Universally suitable for TN and TT systems
- With new Multibase base with multi-connection terminals
- Complete unit, consisting of cover and base, pre-mounted and ready for connection
- arrestor, connectable with dynamic cut-off unit
- With visual status display
- Protection level < 1,3 kV
- Encapsulated, non-extinguishing zinc oxide varistor arrestor for use in distributor housings
- Labelled connections

Application: Equipotential bonding in buildings, even those with external lightning protection of class III and IV, and in standard distributor housings.

Dimensions



Lightning current and surge arrestor, 3-pole + NPE

Type 1+2 | LPZ 0→2 | Mu

Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V50-B+C 3+NPE	280	3+NPE	1	55.000	**5093654**

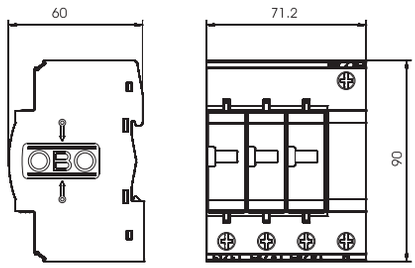


Combination arrestor set, lightning and surge arrestor Type 1+2 to DIN EN 61643-11 (B+C to VDE 0675 part 6).

- For lightning protection equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current arresting capacity 12.5 kA (10/350) per pole and 50 kA (10/350) in total
- Universally suitable for TN and TT systems
- With new Multibase base with multi-connection terminals
- Complete unit, consisting of cover and base, pre-mounted and ready for connection
- arrestor, connectable with dynamic cut-off unit
- With visual status display
- Protection level < 1,3 kV
- Encapsulated, non-extinguishing zinc oxide varistor arrestor for use in distributor housings
- Labelled connections

Application: Equipotential bonding in buildings, even those with external lightning protection of class III and IV, and in standard distributor housings.

Dimensions



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Combination arrestor V50, 280 V for TN and TT network systems

Lightning current and surge arrestor, 3-pole + NPE with remote signalling



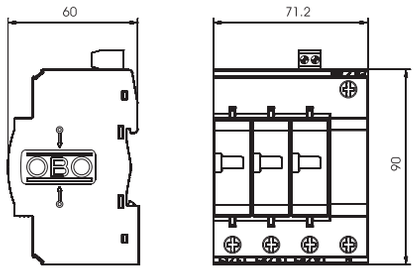
Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V50-B+C 3+NPE+FS	280	3+NPE + FS	1	55.000	**5093662**

V 50-B+C/3+NPE+FS: combination arrestor set, lightning and surge arrestor type 1+2 to DIN EN 61643-11 (B+C to VDE 0675 part 6).

- For lightning current equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current dissipation capacity 12.5 kA (10/350) per pole
- Universally suitable for TN and TT systems
- With new Multibase base with multiple connection terminals
- Complete unit, consisting of cover and base, pre-mounted and ready for connection
- arrestor, connectable with dynamic cut-off unit
- With optical status display
- Protection level < 1,3 kV
- Encapsulated, non-extinguishing zinc oxide varistor arrestor for use in distributor housing
- Labelled connections
- -FS variant with remote signalling contact (potential-free NO contact)

Application: lightning protection equipotential bonding in buildings which also have external lightning protection of Classes III and IV and in standard distributor housings.

Dimensions



Combination arrestor V50, 280 V for TN-C network systems

Lightning current and surge arrestor, 3-pole



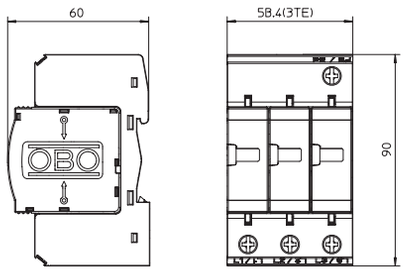
Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V50-B+C 3-280	280	3-pole	1	42.300	**5093627**

V 50-B+C/...: Combination arrestor set, lightning and surge arrestor Type 1+2 to DIN EN 61643-11 (B+C to VDE 0675 Part 6).

- For lightning protection equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current arresting capacity 12.5 kA (10/350) per pole
- Universally suitable for TN-C systems
- With new Multibase base with multi-connection terminals
- Complete unit, consisting of cover and base, pre-mounted and ready for connection
- arrestor, connectable with dynamic cut-off unit
- With visual function display
- Protection level < 1,3 kV
- Encapsulated, non-extinguishing zinc oxide varistor arrestor for use in distributor housings
- Labelled connections

Application: Equipotential bonding in buildings, even those with external lightning protection of Class III and IV, and in standard distributor housings.

Dimensions



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Always indicate the item number when ordering.

Protection set MCD + V20, leakage current-free, 3-pole + NPE

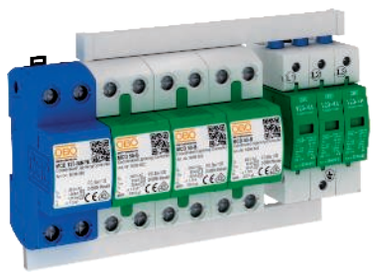
230/400 V System | Type 1+2 | LPZ 0→2

Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
PS4-VA TT+TNS	255	3 + NPE	1	210.000	**5089770**

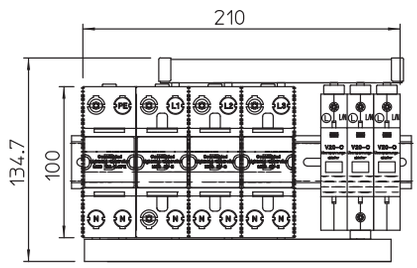
Protection set VA, lightning and surge arrestor combination, type 1+2

- For lightning protection equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current arresting capacity to 50 kA (10/350) per pole and up to 125 kA (10/350) N-PE
- Free of leak current and suitable for use in pre-meter area according to the VDEW directive
- Arrestor, connectable, including connecting bridges, labelled connection terminals
- Encapsulated, non-extinguishing arrestor for use in distributor housings

Application: pre-meter area and industrial systems with special requirements.



Dimensions



Protection set MCD + V20, leakage current-free, 3-pole

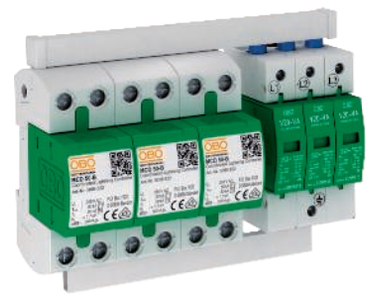
230/400 V System | Type 1+2 | LPZ 0→2

Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
PS3-VA TNC	255	3-pole	1	162.000	**5089768**

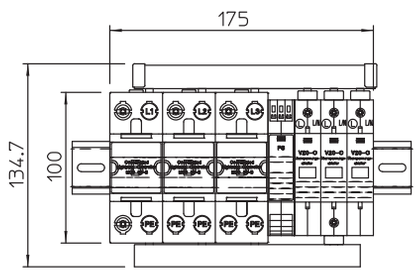
Protection set VA, lightning and surge arrestor combination, type 1+2

- For lightning protection equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current arresting capacity to 50 kA (10/350) per pole and up to 125 kA (10/350) N-PE
- Free of leak current and suitable for use in pre-meter area according to the VDEW directive
- Arrestor, connectable, including connecting bridges, labelled connection terminals
- Encapsulated, non-extinguishing arrestor for use in distributor housings

Application: pre-meter area and industrial systems with special requirements.



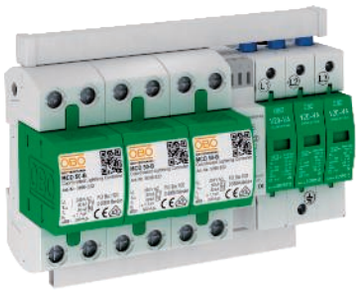
Dimensions



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Always indicate the item number when ordering.

Protection set MCD + V20, leakage current-free, 3-pole with remote signalling



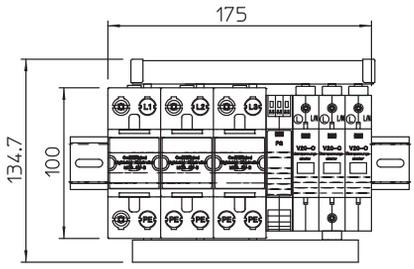
Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
PS3-VA TNC+FS	255	3-pole	1	167.000	**5089775**

Protection set VA, lightning and surge arrestor combination, type 1+2

- For lightning protection equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current arresting capacity to 50 kA (10/350) per pole and up to 125 kA (10/350) N-PE
- Free of leak current and suitable for use in pre-meter area according to the VDEW directive
- Arrestor, connectable, including connecting bridges, labelled connection terminals
- Encapsulated, non-extinguishing arrestor for use in distributor housings

Application: pre-meter area and industrial systems with special requirements.

Dimensions



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Always indicate the item number when ordering.

Surge protection energy technology, arrestor, Type 1+2 (industry)



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Always indicate the item number when ordering.

Lightning arrestor MCF 35, 400/690 V, 1-pole with IR

400 V | Type 1 | LPZ 0→1

Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
MCF 35-1+FS-440	440	1-pole	1	98.000	**5096974**

AIG Cast aluminium

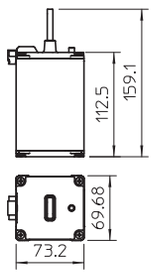
Lightning arrestor type 1

- For lightning protection equipotential bonding to DIN EN 62305 (IEC 62305)
- Lightning current arresting capacity 35 kA (10/350) per pole
- Follow current extinguishing 50 kAeff, arrestor back-up fuse up to 400 A gL/gG
- Encapsulated, non-extinguishing spark gap arrestor for use in distributor housings
- Cut-off unit with visual indicator
- Remote signalling with potential-free changeover contact

Application: Without exception for 400/690 V network systems



Dimensions



Lightning arrestor MCF 35, 400/690 V, 3-pole with IR

400 V | Type 1 | LPZ 0→1

Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
MCF 35-P3+FS-440	440	3-pole	1	400.000	**5096976**

AIG Cast aluminium

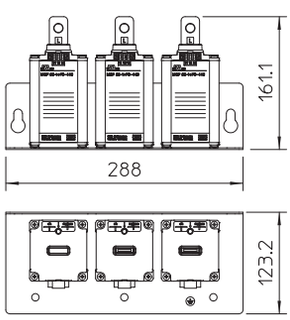
Lightning arrestor type 1

- Fully assembled 3-pole connection unit
- For lightning protection equipotential bonding according to DIN EN 62305 (IEC 62305)
- Lightning current arresting capacity 35 kA (10/350) per pole
- Line following current quenching 50 kAeff, arrestor back-up fuse up to 400 A gL/gG
- Encapsulated, non-extinguishing spark gap arrestor for use in distributor housings
- Cut-off unit with visual indicator
- Remote signalling with potential-free changeover contact
- For finished mounting on busbars and walls

Application: Without exception for 400/690 V power systems



Dimensions

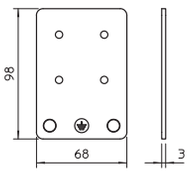


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Always indicate the item number when ordering.

Mounting plate, 1-pole





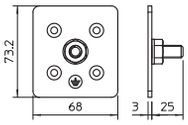
Type	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
MCF-MS-P1	1-pole	1	19.600	**5096992**

A2 Stainless steel, grade 304

Mounting plate 1-pole
- Mounting plate for installation of the arrestor MCF 35-1+FS-440
- Prefabricated hole pattern for mounting the arrestor on busbars
- Required screws for installation the arrestor enclosed

Mounting plate, 1-pole, M10





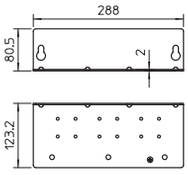
Type	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
MCF-MS-M10	1-pole	1	14.200	**5096990**

A2 Stainless steel, grade 304

Mounting plate with threaded connector M10
- Mounting plate with threaded M10 connector to install the arrestor MCF 35-1+FS-440
- M10 bolts for direct installation of the arrestor on busbars
- Required screws for installation enclosed

Mounting plate, 3-pole





Type	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
MCF-MS-P3	3-pole	1	99.800	**5096994**

A2 Stainless steel, grade 304

Mounting plate 3-pole
- Mounting plate 3-pole for installation of the arrestor MCF 35-1+FS-440
- Prefabricated hole pattern for mounting the arrestor on busbars
- Suitable for wall mounting
- Required screws for installation enclosed

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Always indicate the item number when ordering.

Surge protection energy technology, type 2 arrester



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Always indicate the item number when ordering.

Surge protection energy technology, arrestor, type 2
The plus of the V20 family

- Connectable surge arrestor
- High arresting capacity
- Visual status display
- Available with optional remote signalling
- Vibration-proof
- Simple standard DIN rail mounting
- Labelled connections
- Voltage encoding



Surge arrester V20

Function and areas of use
The surge arrestors V20 meet the type 2 requirement class according to IEC 61643-11. These devices protect low-voltage consumer systems from overvoltages of all types and are available in single-pole to four-pole versions. The use of high-performance varistors permits a rapid response time and a low protection level, without any line follow current. If circumstances are uncertain and there is a risk of fire from an overload, the internal cut-off unit disconnects the arrestor from the mains if necessary. In addition, the QR code printed on the arrestor allows direct access to the online installation instructions.

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Surge arrestor V20, 1-pole, 280 V



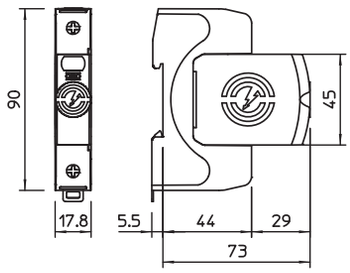
Type	Highest continuous voltage AC V	Pole version	Protection rating	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-1-280	280	1	IP20	1	12.900	**5095161**

Surge arrestor, type 2

- For surge voltage protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Discharge capacity to 40 kA (8/20) per pole through high-performance varistors
- Modular connectable arrestor with cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage keying
- Plastic to UL 94 V-0
- The remote signalling variants (FS) have a potential-free changeover contact for remote signalling

Application: Equipotential bonding in main and sub-distributions.

Dimensions



Surge arrestor V20, 1-pole with remote signalling, 280 V



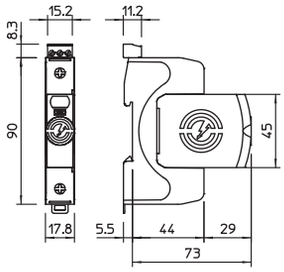
Type	Highest continuous voltage AC V	Pole version	Protection rating	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-1+FS-280	280	1	IP20	1	13.100	**5095281**

Surge arrestor, type 2

- For surge voltage protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Discharge capacity to 40 kA (8/20) per pole through high-performance varistors
- Modular connectable arrestor with cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage keying
- Plastic to UL 94 V-0
- The remote signalling variants (FS) have a potential-free changeover contact for remote signalling

Application: Equipotential bonding in main and sub-distributions.

Dimensions



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Always indicate the item number when ordering.

Surge arrestor V20, 2-pole, 280 V

Type 2 | LPZ 1→2

Type	Highest continuous voltage AC V	Pole version	Protection rating	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-2-280	280	2	IP20	1	25.600	**5095162**

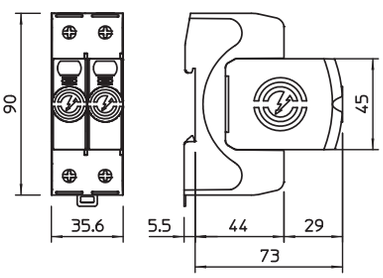
Surge arrestor, type 2

- For surge voltage protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Discharge capacity to 40 kA (8/20) per pole through high-performance varistors
- Modular connectable arrestor with cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage keying
- Plastic to UL 94 V-0
- The remote signalling variants (FS) have a potential-free changeover contact for remote signalling

Application: Equipotential bonding in main and sub-distributions.



Dimensions



Surge arrestor V20, 2-pole with remote signalling, 280 V

Type 2 | LPZ 1→2 | FS

Type	Highest continuous voltage AC V	Pole version	Protection rating	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-2+FS-280	280	2	IP20	1	25.900	**5095282**

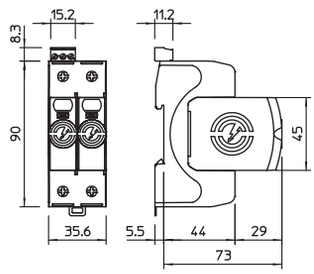
Surge arrestor, type 2

- For surge voltage protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Discharge capacity to 40 kA (8/20) per pole through high-performance varistors
- Modular connectable arrestor with cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage keying
- Plastic to UL 94 V-0
- The remote signalling variants (FS) have a potential-free changeover contact for remote signalling

Application: Equipotential bonding in main and sub-distributions.



Dimensions



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Surge arrestor V20, 2-pole + NPE, 280 V



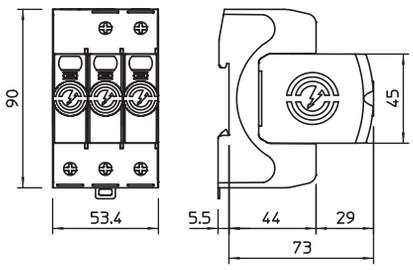
Type	Highest continuous voltage AC V		Protection rating	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-2+NPE-280	280	—	IP20	1	34.600	**5095252**

Surge arrestor, type 2

- For surge voltage protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Discharge capacity to 40 kA (8/20) per pole through high-performance varistors
- Modular connectable arrestor with cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage keying
- Plastic to UL 94 V-0
- The remote signalling variants (FS) have a potential-free changeover contact for remote signalling

Application: Equipotential bonding in main and sub-distributions.

Dimensions



Surge arrestor V20, 2-pole + NPE and remote signalling, 280 V



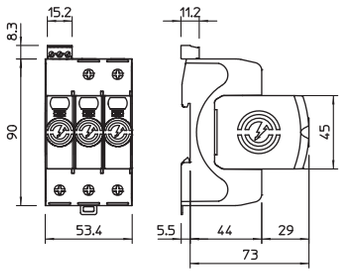
Type	Highest continuous voltage AC V	Pole version	Protection rating	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-2+NPE+FS-280	280	2+N/PE	IP20	1	34.800	**5095332**

Surge arrestor, type 2

- For surge voltage protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Discharge capacity to 40 kA (8/20) per pole through high-performance varistors
- Modular connectable arrestor with cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage keying
- Plastic to UL 94 V-0
- The remote signalling variants (FS) have a potential-free changeover contact for remote signalling

Application: Equipotential bonding in main and sub-distributions.

Dimensions



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Surge arrestor V20, 3-pole, 280 V

Type 2 | LPZ 1→2

Type	Highest continuous voltage AC V	Pole version	Protection rating	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-3-280	280	3	IP20	1	36.000	**5095163**

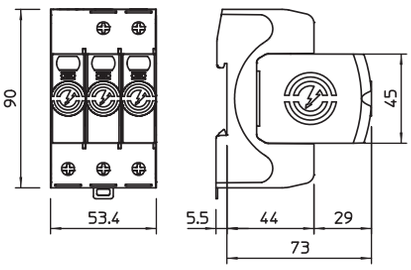
Surge arrestor, type 2

- For surge voltage protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Discharge capacity to 40 kA (8/20) per pole through high-performance varistors
- Modular connectable arrestor with cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage keying
- Plastic to UL 94 V-0
- The remote signalling variants (FS) have a potential-free changeover contact for remote signalling

Application: Equipotential bonding in main and sub-distributions.



Dimensions



Surge arrestor V20, 3-pole with remote signalling, 280 V

Type 2 | LPZ 1→2 | FS

Type	Highest continuous voltage AC V	Pole version	Protection rating	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-3+FS-280	280	3	IP20	1	36.400	**5095283**

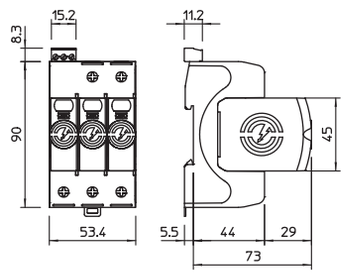
Surge arrestor, type 2

- For surge voltage protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Discharge capacity to 40 kA (8/20) per pole through high-performance varistors
- Modular connectable arrestor with cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage keying
- Plastic to UL 94 V-0
- The remote signalling variants (FS) have a potential-free changeover contact for remote signalling

Application: Equipotential bonding in main and sub-distributions.



Dimensions



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Surge arrestor V20, 4-pole, 280 V



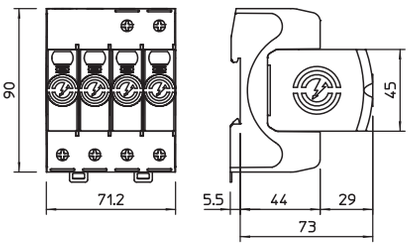
Type	Highest continuous voltage AC V	Pole version	Protection rating	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-4-280	280	4	IP20	1	47.000	**5095164**

Surge arrestor, type 2

- For surge voltage protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Discharge capacity to 40 kA (8/20) per pole through high-performance varistors
- Modular connectable arrestor with cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage keying
- Plastic to UL 94 V-0
- The remote signalling variants (FS) have a potential-free changeover contact for remote signalling

Application: Equipotential bonding in main and sub-distributions.

Dimensions



Surge arrestor V20, 4-pole with remote signalling, 280 V



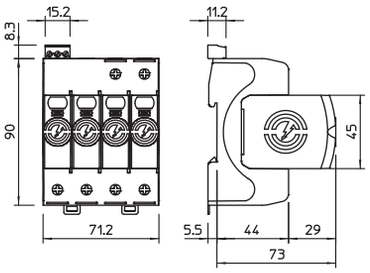
Type	Highest continuous voltage AC V	Pole version	Protection rating	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-4+FS-280	280	4	IP20	1	47.500	**5095284**

Surge arrestor, type 2

- For surge voltage protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Discharge capacity to 40 kA (8/20) per pole through high-performance varistors
- Modular connectable arrestor with cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage keying
- Plastic to UL 94 V-0
- The remote signalling variants (FS) have a potential-free changeover contact for remote signalling

Application: Equipotential bonding in main and sub-distributions.

Dimensions



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Surge arrestor V20, 1-pole + NPE, 280 V

Type 2 | LPZ 1→2

Type	Highest continuous voltage AC V		Protection rating	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-1+NPE-280	280	—	IP20	1	24.300	**5095251**

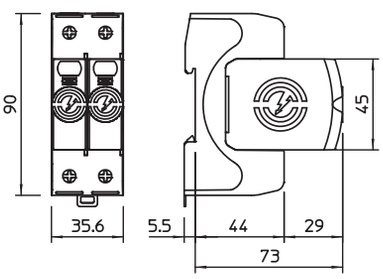
Surge arrestor, type 2

- For surge voltage protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Discharge capacity to 40 kA (8/20) per pole through high-performance varistors
- Modular connectable arrestor with cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage keying
- Plastic to UL 94 V-0
- The remote signalling variants (FS) have a potential-free changeover contact for remote signalling

Application: Equipotential bonding in main and sub-distributions.



Dimensions



Surge arrestor V20, 1-pole + NPE and remote signalling, 280 V

Type 2 | LPZ 1→2 | FS

Type	Highest continuous voltage AC V	Pole version	Protection rating	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-1+NPE+FS-280	280	1+N/PE	IP20	1	24.600	**5095331**

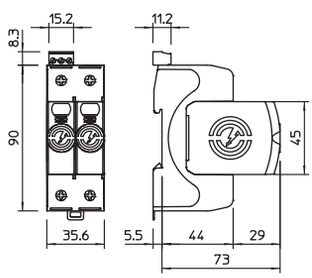
Surge arrestor, type 2

- For surge voltage protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Discharge capacity to 40 kA (8/20) per pole through high-performance varistors
- Modular connectable arrestor with cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage keying
- Plastic to UL 94 V-0
- The remote signalling variants (FS) have a potential-free changeover contact for remote signalling

Application: Equipotential bonding in main and sub-distributions.



Dimensions



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Surge arrestor V20, 3-pole + NPE, 280 V



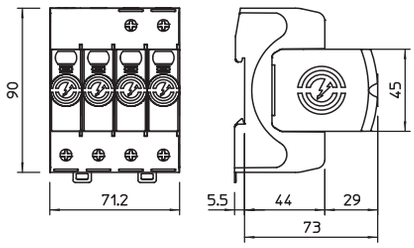
Type	Highest continuous voltage AC V		Protection rating	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-3+NPE-280	280	—	IP20	1	45.800	**5095253**

Surge arrestor, type 2

- For surge voltage protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Discharge capacity to 40 kA (8/20) per pole through high-performance varistors
- Modular connectable arrestor with cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage keying
- Plastic to UL 94 V-0
- The remote signalling variants (FS) have a potential-free changeover contact for remote signalling

Application: Equipotential bonding in main and sub-distributions.

Dimensions



Surge arrestor V20, 3-pole + NPE and remote signalling, 280 V



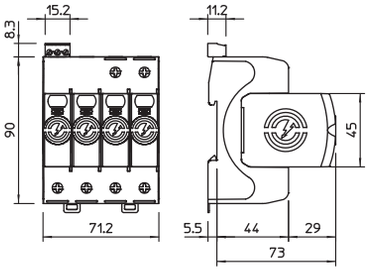
Type	Highest continuous voltage AC V	Pole version	Protection rating	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-3+NPE+FS-280	280	3+N/PE	IP20	1	46.300	**5095333**

Surge arrestor, type 2

- For surge voltage protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Discharge capacity to 40 kA (8/20) per pole through high-performance varistors
- Modular connectable arrestor with cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage keying
- Plastic to UL 94 V-0
- The remote signalling variants (FS) have a potential-free changeover contact for remote signalling

Application: Equipotential bonding in main and sub-distributions.

Dimensions



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Upper part V20 280 V

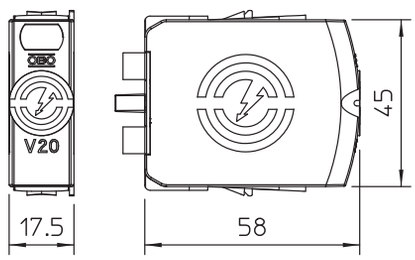
Type	Highest continuous voltage AC V	Pole version	Protection rating	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-0-280	280	1	IP20	1	5.000	**5095364**

Upper part, surge arrestor, type 2



- For surge protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Discharge capacity to 40 kA (8/20) per pole through high-performance varistors
- Modular, plug-in upper part with dynamic cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage keying
- Plastic (UL 94 V-0)

Dimensions



Upper part C20 280 V

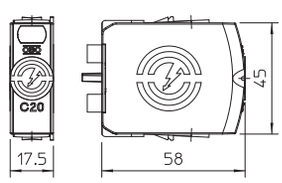
Type	Highest continuous voltage AC V	Pole version	Protection rating	Pack. pcs	Weight kg/100 pcs.	Item No.
C20-0-255	255	N/PE	IP20	1	3.680	**5095600**

Upper part, N-PE surge arrestor, type 2



- For surge voltage protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Discharge capacity to 40 kA (8/20) per pole through high-performance varistors
- Modular connectable arrestor with dynamic cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage keying
- Plastic (UL 94 V-0)

Application: Equipotential bonding in main and sub-distributors.

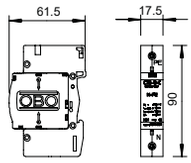


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NPE discharge gap C20 in 280 V, type 2

Combination arrestor C25, 1-pole+NPE





Type 1+2 | LPZ 0→2

Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
C 25-B+C 1	255	NPE	1	12.500	**5095606**

C 25-B+C/..+NPE: Plug-in total discharge gap for use between neutral lines (N) and protector (PE). Suitable for use in combination with:

- CombiController Type V 25-B+C
- SurgeController Type V 20-C
- SurgeController Type V 10-C

Surge arrestor V20, 280 V for TN and TT networks

Surge arrestor, 1-pole + NPE



230/400 V System | Type 2 | LPZ 1→2

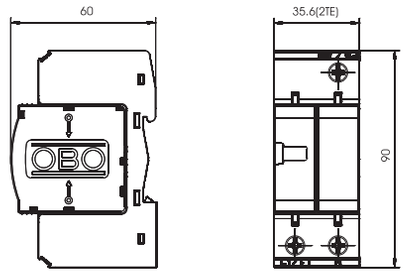
Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-C 1+NPE-280	280	1+NPE	1	22.300	**5094650**

V 20-C/...: Surge protection device Type 2 (Class C) to VDE 0675 part 6-11 (DIN EN 61643-11).

- With new MultiBase base part and Multi-connection clamps
- Complete unit consisting of upper part and base, pre-mounted and ready for connection
- VDE-tested
- Suitable for TN- and TT network systems
- Plug-in upper part; upper part can be separated from base without tools
- Including thermal and dynamic separating device
- With visual display of defects
- High current conductivity and long service life
- Marked connections

Application example: residential buildings, single-family homes without outer lightning protection system.

Dimensions



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Always indicate the item number when ordering.

Combination arrestor C25, 1-pole+NPE

Type 1+2 | LPZ 0→2

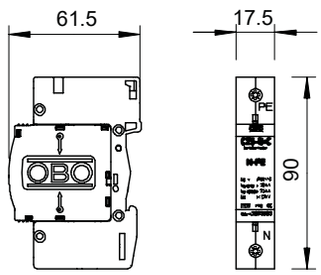
Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
C 25-B+C 1	255	NPE	1	12.500	**5095606**



C 25-B+C/..+NPE: Plug-in total discharge gap for use between neutral lines (N) and protector (PE). Suitable for use in combination with:

- CombiController Type V 25-B+C
- SurgeController Type V 20-C
- SurgeController Type V 10-C

Dimensions



Surge arrestor, 3-pole + NPE

230/400 V System | Type 2 | LPZ 1→2

Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-C 3+NPE-280	280	3+NPE	1	41.700	**5094656**

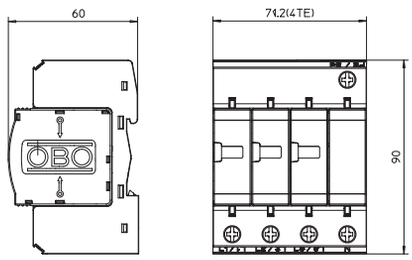


V 20-C/...: Surge protection device Type 2 (Class C) to VDE 0675 part 6-11 (DIN EN 61643-11).

- With new MultiBase base part and Multi-connection clamps
- Complete unit consisting of upper part and base, pre-mounted and ready for connection
- VDE-tested
- Suitable for TN- and TT network systems
- Plug-in upper part; upper part can be separated from base without tools
- Including thermal and dynamic separating device
- With visual display of defects
- High current conductivity and long service life
- Marked connections

Application example: residential buildings, single-family homes without outer lightning protection system.

Dimensions



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Always indicate the item number when ordering.

Surge arrestor V20, 280 V for TN and TT networks

Surge arrestor, 3-pole + NPE with remote signalling



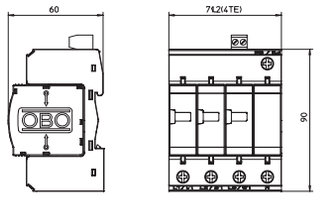
Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-C 3+NPE+FS	280	3+NPE + FS	1	43.300	**5094765**

V 20-C/...: Surge protection device Type 2 Class C) to VDE 0675 part 6-11 (DIN EN 61643-11).

- With new MultiBase base part and Multi-connection clamps
- Complete unit consisting of upper part and base, pre-mounted and ready for connection
- VDE-tested
- Suitable for TN- and TT- network systems
- Plug-in upper part; upper part can be separated from base without tools
- With remote signalling, potential-free changeover contact, for function monitoring
- Including thermal and dynamic separating device
- With visual display of defects
- High current conductivity and long service life
- Marked connections

Application example: residential buildings, single-family homes

Dimensions



Surge arrestor V20, 280 V, type 2

Surge arrestor, 1-pole

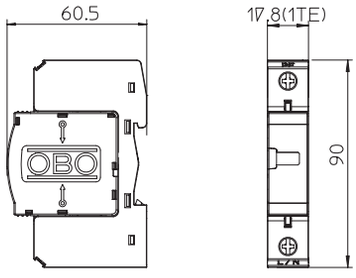


Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-C 1-280	280	1-pole	1	12.000	**5094618**

Surge arrestor, type 2, 280 V
- VDE-tested
- For surge voltage protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Arresting capacity to 40 kA (8/20) per pin
- Arrestor, connectable with dynamic cut-off unit and visual status display
- Encapsulated, non-extinguishing zinc oxide varistor arrestor for use in distributor housings
- Base with multiple connection terminals

Application: Equipotential bonding (LPZ 1 to 2) and device protection in main and subdistributors.

Dimensions



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Always indicate the item number when ordering.

Surge arrestor, 3-pole

Type 2 | LPZ 1→2

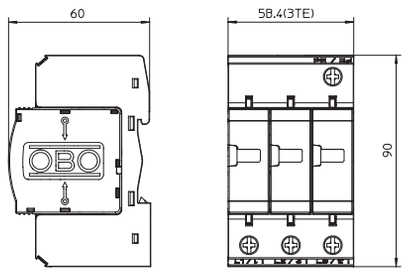
Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-C 3-280	280	3-pole	1	33.500	**5094624**



Surge arrestor, type 2, 280 V
- VDE-tested
- For surge voltage protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Arresting capacity to 40 kA (8/20) per pin
- Arrestor, connectable with dynamic cut-off unit and visual status display
- Encapsulated, non-extinguishing zinc oxide varistor arrestor for use in distributor housings
- Base with multiple connection terminals

Application: Equipotential bonding (LPZ 1 to 2) and device protection in main and subdistributors.

Dimensions



Surge arrestor, 4-pole

Type 2 | LPZ 1→2

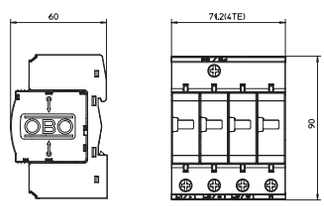
Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-C 4-280	280	4-pole	1	43.000	**5094627**



Surge arrestor, type 2, 280 V
- VDE-tested
- For surge voltage protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Arresting capacity to 40 kA (8/20) per pin
- Arrestor, connectable with dynamic cut-off unit and visual status display
- Encapsulated, non-extinguishing zinc oxide varistor arrestor for use in distributor housings
- Base with multiple connection terminals

Application: Equipotential bonding (LPZ 1 to 2) and device protection in main and subdistributors.

Dimensions



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Always indicate the item number when ordering.

Surge arrestor V20, 385 V for TN and TT networks

Surge arrestor, 3-pole + NPE



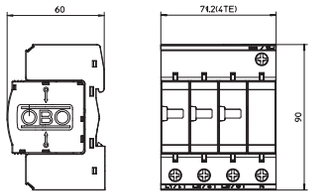
Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-C 3+NPE-385	385	3+NPE	1	42.600	**5094668**

V 20-C/...: Surge protection device Type 2 (Class C) to VDE 0675 part 6-11 (DIN EN 61643-11).

- With new MultiBase base part and Multi-connection clamps
- Complete unit consisting of upper part and base, pre-mounted and ready for connection
- VDE-tested
- Suitable for TN- and TT network systems
- Plug-in upper part; upper part can be separated from base without tools
- Including thermal and dynamic separating device
- With visual status of defects
- High current conductivity and long service life
- Marked connections

Application example: residential buildings, single-family homes without outer lightning protection system.

Dimensions



Surge arrestor V20, leakage current-free version

Surge arrestor, 1-pole, leakage current-free



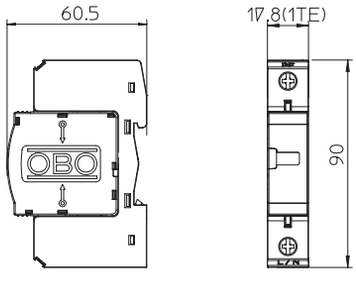
Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-VA 1-385	385	1-pole	1	12.500	**5099475**

V 20-VA/...: Surge protection device Type 2 Class C) to VDE 0675 part 6-11 (DIN EN 61643-11).

- With new MultiBase base part and Multi-connection clamps
- Suitable for use in the pre-meter area (absolutely free of leakage current)
- Complete unit consisting of upper part and base, pre-mounted and ready for connection
- Suitable for TN-C network systems
- Plug-in upper part; upper part can be separated from base without tools
- Including thermal and dynamic separating device
- With visual display of defects
- High current conductivity and long service life
- Marked connections

Application example: residential buildings, single-family homes

Dimensions



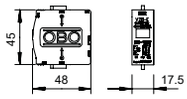
Always indicate the item number when ordering.

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Cover, surge arrestor 280 V

Type 2 | LPZ 1→2

Type	Highest continuous voltage V	U max DC V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-C 0-280	280	350	1-pole	1	8.500	**5099609**





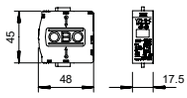
Upper part – type 2 surge arrestor

- Plug-in upper part: upper part can be separated from base without tools
- Including thermal and dynamic separating device and visual status display
- High current conductivity and long service life

Cover, total spark gap between N and PE 255 V

Type 1+2 | LPZ 0→2

Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
C 25-B+C 0	255	NPE	1	5.300	**5095603**





C 25-B+C/..+NPE: Plug-in total discharge gap for use between N and PE. Suitable for use in combination with:

- CombiController Type V 25-B+C
- SurgeController Type V 20-C
- SurgeController Type V 10-C

Connection terminal for through-wiring

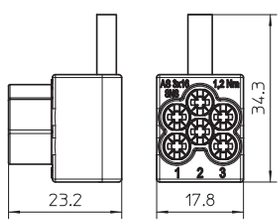
Type	Colour	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
AS 3x16	Light grey	3 x 16 mm²	5	2.474	**5012010**



Connection terminal type: AS 3 x 16

Connection cross-section: 3 x 1.5 - 16 sq mm rigid/ multiple strands
3 x 1.5 - 10 sq mm fine-wire/with wire end sleeve
Stripping length: 16 mm
Rec. tightening torque: 1.2 Nm
Nominal current: 50 A
Width: 17.5 mm (1 TE)

For EMC-optimised V through-wiring to IEC 60364-5-53 (VDE 0100-534).



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Surge protection energy technology, arrester, type 2+3



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Always indicate the item number when ordering.

Surge arrestor V10 Compact

- For surge protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Arresting capacity up to 60 kA (8/20) in total
- Integrated 3+1 solution for TN and TT network systems on 45 mm module width
- High-performance varistor technology
- Including thermic and dynamic cut-off mechanism and visual function display



Surge protection device Compact module type 2+3

These is scarcely another place in which we feel as secure and safe as within our own four walls. OBO can offer a range of electrical components, giving people a safe and comfortable life in their homes.

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Surge arrester Compact 255 V



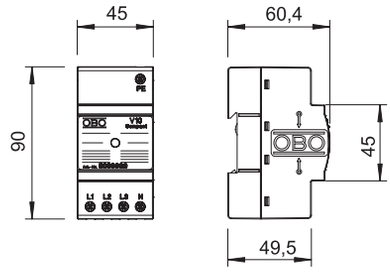
Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V10 COMPACT 255	255	3 + NPE	1	15.800	**5093380**

Surge protection device, compact module, type 2+3

- Surge protection in subdistributors to VDE 0100-443 (IEC 60364-4-44)
- Arresting capacity up to 60 kA (8/20) in total
- Integrated 3+1 solution for TN and TT network systems on 45 mm module width
- High-performance varistor technology
- Including thermic and dynamic cut-off unit and visual status display
- Optionally with -AS acoustic signalling or -FS remote signalling

Application: Sub/storey distribution as well as device protection in rotational current systems.

Dimensions



Surge arrestor Compact with acoustic signalling



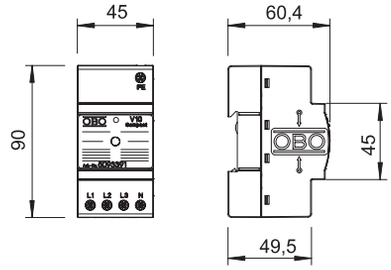
Type	Highest continuous voltage V	Version	Designation	Pack. pcs	Weight kg/100 pcs.	Item No.
V10 COMPACT-AS	255	3 + NPE	with acoustic signalling	1	15.800	**5093391**

Surge protection device, compact module, type 2+3

- Surge protection in sub-distributors to VDE 0100-443 (IEC 60364-4-44)
- Arresting capacity up to 60 kA (8/20) in total
- Integrated 3+1 solution for TN and TT network systems on 45 mm module width
- High-performance varistor technology
- Including thermic and dynamic cut-off unit and visual function display
- ...-AS version with additional acoustic defect signalling (switchable)

Application: Sub/storey distribution as well as device protection in rotational current systems.

Dimensions



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Always indicate the item number when ordering.

Surge arrestor Compact with remote signalling

LPZ 1→3 | Type 2+3 | FS

Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V10 COMPACT-FS	255	3 + NPE	1	17.300	**5093382**

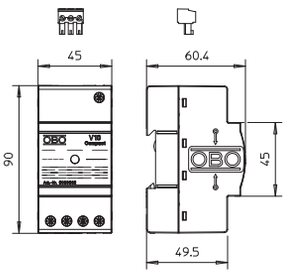


Surge protection device, compact module, type 2+3

- Surge protection in subdistributors to VDE 0100-443 (IEC 60364-4-44)
- Arresting capacity up to 60 kA (8/20) in total
- Integrated 3+1 solution for TN and TT network systems on 45 mm module width
- High-performance varistor technology
- Including thermic and dynamic cut-off unit and visual function display
- ...-FS version with potential-free changeover contact for remote signalling

Application: Sub/storey distribution as well as device protection in rotational current systems.

Dimensions



Surge arrestor V10 3-pole + NPE 280 V

LPZ 1→3 | Type 2+3

Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V10-C 3+NPE	280	3 + NPE	1	37.800	**5094920**

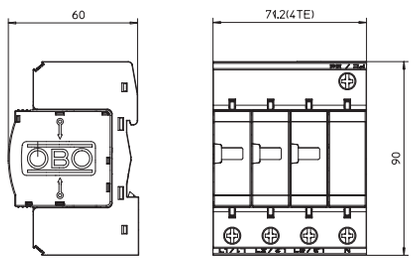


V 10-C/...: lightning and surge protection device type 2+3 (Class C+D) to VDE 0675 part 6-11 (DIN EN 61643-11) to overvoltage protection to DIN VDE 0100 part 443.

- With new MultiBase base part and Multi-connection clamps
- Complete unit consisting of upper part and base, pre-mounted and ready for connection
- Suitable for any TN and TT network systems
- Plug-in arrestor with dynamic separating device
- With visual function display
- Version FS with remote signalling, potential-free changeover contact, for function monitoring
- High current conductivity and long service life
- Marked connections

Application example: residential buildings, single-family homes

Dimensions



Always indicate the item number when ordering.

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Surge arrestor V10 3-pole + NPE with remote signalling 280 V

LPZ 1→3 | Type 2+3 | FS



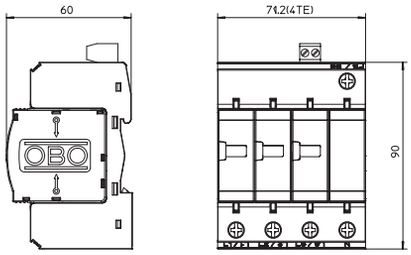
Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V10-C 3+NPE+FS	280	3 + NPE	1	37.900	**5094931**

V 10-C/...: lightning and surge protection device type 2+3 (Class C+D) to VDE 0675 part 6-11 (DIN EN 61643-11) to overvoltage protection to DIN VDE 0100 part 443.

- With new MultiBase base part and Multi-connection clamps
- Complete unit consisting of upper part and base, pre-mounted and ready for connection
- Suitable for any TN and TT network systems
- Plug-in arrestor with dynamic separating device
- With visual function display
- Version FS with remote signalling, potential-free changeover contact, for function monitoring
- High current conductivity and long service life
- Marked connections

Application example: residential buildings, single-family homes

Dimensions



Surge arrestor V10 1-pole + NPE 280 V

LPZ 1→3 | Type 2+3



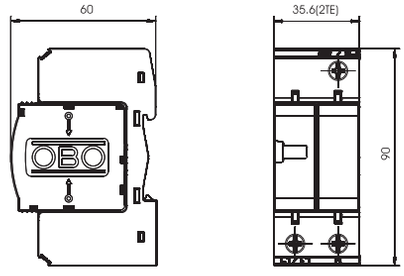
Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V10-C 1+NPE-280	280	1 + NPE	1	22.200	**5093418**

V 10-C/...: lightning and surge protection device type 2+3 (Class C+D) to VDE 0675 part 6-11 (DIN EN 61643-11) to overvoltage protection to DIN VDE 0100 part 443.

- With new MultiBase base part and Multi-connection clamps
- Complete unit consisting of upper part and base, pre-mounted and ready for connection
- Suitable for any TN and TT network systems
- Plug-in arrestor with dynamic separating device
- With visual function display
- Version FS with remote signalling, potential-free changeover contact, for function monitoring
- High current conductivity and long service life
- Marked connections

Application example: residential buildings, single-family homes

Dimensions



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Always indicate the item number when ordering.

Upper part, surge arrestor V10 280 V

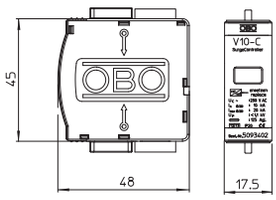
LPZ 1→3 | Type 2+3

Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V10-C 0-280	280	1-pole	1	3.360	**5093402**



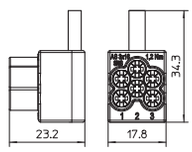
Upper part – V 10-C/...: Type 2+3 surge arrestor to EN 61643-11

- Plug-in upper part; upper part can be separated from base without tools
- Including thermal and dynamic separating device and visual status display
- High current conductivity and long service life



Connection terminal for through-wiring

Type	Colour	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
AS 3x16	Light grey	3 x 16 mm²	5	2.474	**5012010**





Connection terminal type: AS 3 x 16

Connection cross-section: 3 x 1.5 - 16 sq mm rigid/ multiple strands
3 x 1.5 - 10 sq mm fine-wire/with wire end sleeve
Stripping length: 16 mm
Rec. tightening torque: 1.2 Nm
Nominal current: 50 A
Width: 17.5 mm (1 TE)

For EMC-optimised V through-wiring to IEC 60364-5-53 (VDE 0100-534).

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Surge protection energy technology, arrestor, type 2+3: The plus for LED street lighting

+ Surge arrestors with high arresting capacity
+ High arresting capacity of 10 kA to 20 kA
+ Visual status display
+ Labelled connections
+ Optional switch-off of the LED luminaires after surge protection fails



Compact
Surge protection

Function and areas of use
The surge arrestor ÜSM-LED 230 meets the type 2+3 requirement class according to IEC 61643-11. This device protects lighting systems against any kind of surge voltages. The voltage-limiting, high-performance zinc oxide varistor provides several benefits. An extremely short response time, a low protection level and high current leakage capability with long service life. It can be used in the mast connection box or in LED luminaires.

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Always indicate the item number when ordering.

Surge protection for LED systems 230V

Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
ÜSM-LED 230	255	1+NPE	1	3.500	**5092480**

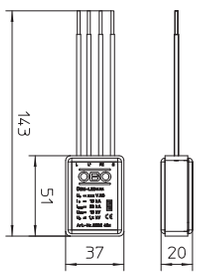
Surge protection module type 2+3 to DIN EN 61643-11 for 230/400 V power grids.
Appropriate for the protection of LED lighting.

- With visual function display
- Small size for the installation in the pole or in the LED lamp head
- 1+NPE protective circuit with a maximum discharge capacity of 20 kA
- Surge limitation under 1,300 V or 1,000 V @ 5 kA
- Available with or without cut-off function of the lamp in case of malfunction

Application: Universally deployable in all lighting systems



Dimensions



Surge protection for LED systems 230 V 65

Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
ÜSM-LED 230-65	255	1+NPE	25	7.500	**5092478**

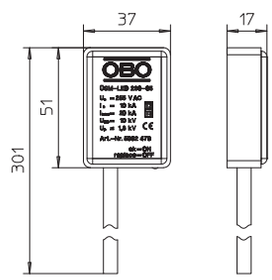
Surge protection module type 2+3 to DIN EN 61643-11 for 230/400 V power grids.
Appropriate for the protection of LED lighting and the LED driver.

- With visual function display
- Small size for the installation in the mast connection box
- IP65 and with 25 cm connection cable
- 1+NPE protective circuit with a maximum discharge capacity of 20 kA
- Surge limitation under 1,300 V or 1,000 V @ 5 kA
- Available with or without cut-off function of the lamp in case of malfunction

Application: Universally deployable in all lighting systems



Dimensions



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Always indicate the item number when ordering.

Surge protection
Energy technology, type 3 arrester



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Always indicate the item number when ordering.

FineController FC-D for protective contact socket

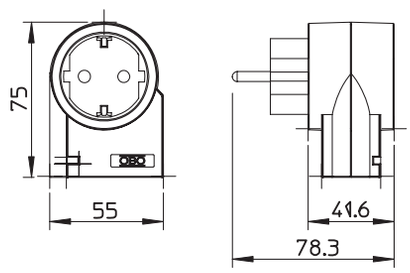
Type	Country version	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
FC-D	EN	Pure white	1	11.000	**5092800**

Type 3 surge protection device to EN 61643-11,
intended for use in protective contact sockets.

- Adapter
- Disconnection device and function display
- Child lock through increased finger touch protection



Dimensions



FineController FC-SAT for SAT systems and receivers

Type	Country version	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
FC-SAT-D	EN	Pure white	1	16.000	**5092816**

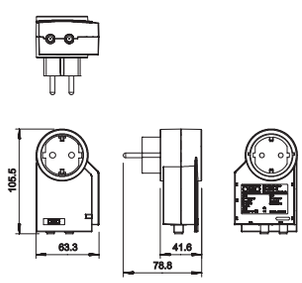
Type 3 combined surge protection to EN 61643-11,
designed for use on satellite systems and receivers.

- Adapter
- Disconnection device and function display
- Child lock through increased finger contact protection
- Incl. 0.5 m connection cable in white (double screen)
- Maximum continuous voltage, TV connection 72 V DC / 1.5 A (25 °C)
- Limit frequency: 2.5 GHz (75 Ohm system)

Note: The technical data in the table below refer to the power supply.



Dimensions



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Always indicate the item number when ordering.

FineController FC-ISDN for ISDN telephone systems and terminals



CE | Type 3 | LPZ 2→3 | ISDN | DSL

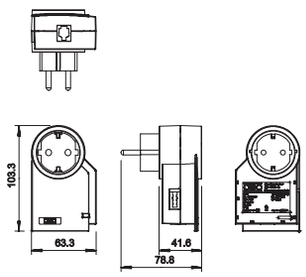
Type	Country version	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
FC-ISDN-D	EN	Pure white	1	18.000	**5092812**

Type 3 combined surge protection to EN 61643-11
designed for use in ISDN / DSS 1 telephone systems and terminals.

- Adapter
- Disconnection device and function display
- Child lock through increased finger contact protection
- Incl. 0.5 m connection cable RJ12
- Maximum continuous voltage, ISDN connection 6 V DC / 1.5 A (25 °C)
- Limit frequency: Type 300 kHz

Note: The technical data in the table below refer to the power supply.

Dimensions



FineController FC-RJ-D for telephone systems with RJ12



CE | Type 3 | LPZ 2→3 | Analog TK | ISDN | DSL

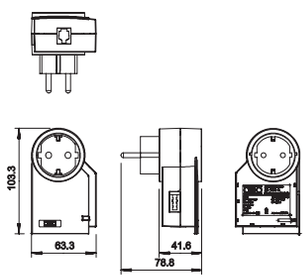
Type	Country version	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
FC-RJ-D	EN	Pure white	1	18.000	**5092828**

Type 3 combined surge protection to EN 61643-11
designed for use in telephone systems and terminals with RJ12 connection.

- Adapter
- Disconnection device and function display
- Child lock through increased finger contact protection
- Incl. 0.5 m connection cable RJ12
- Maximum continuous voltage, RJ connection 200 V DC / 1.5 A (25 °C)
- Limit frequency: Typ. 4 MHz / DSL-compatible

Note: The technical data in the table below refer to the power supply.

Dimensions



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Always indicate the item number when ordering.

Surge protection module 230 V

Type	Signalling on device	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
ÜSM-A	Audible	Acoustic function display	1	1.500	**5092451**

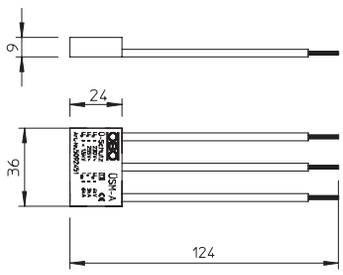
Surge protection module type 3 to DIN EN 61643-11 for 230 V power grids.

- With acoustic defect signal
- With low construction height
- Halogen-free plastic (UL 94 V-0)
- Y circuit

Application: Universally applicable for all installation systems.



Dimensions



surge protection device 230 V for through wiring

Type	Signalling on device	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
ÜSM-A-2	Audible	V connection	1	2.200	**5092460**

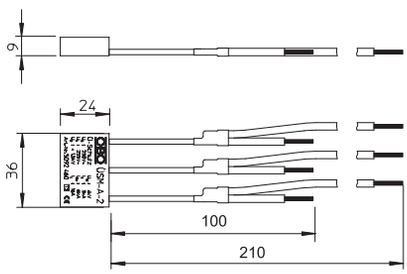
Surge protection device type 3 to DIN EN 61643-11 for 230 V networks.

- With acoustic defect signal
- With 2 strands for continuous wiring
- With low construction height
- Halogen-free plastic (UL 94 V-0)
- Y circuit

Application: Universally applicable for all installation systems.



Dimensions



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Always indicate the item number when ordering.

Surge protection module 230 V with holder for GB2 and GB3 mounting boxes



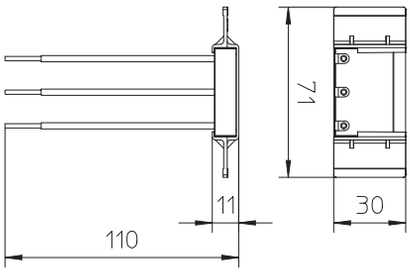
Type	Signalling on device	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
ÜSM-A-4	Audible	Incl. holder with partition function	1	2.000	**5092472**

Surge protection module type 3 to DIN EN 61643-11 for 230 V power grids.

- With acoustic defect signal
- With low construction height and Y circuit
- ÜSM with halogen-free plastic (UL 94 V-0)
- Holder with separating retainer function for GB2 / GB3 mounting boxes and universal supports UT3 and UT4

Application: Universally applicable for all installation systems.

Dimensions



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Surge protection
Photovoltaics



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Always indicate the item number when ordering.

PV complete block 1500V DC

Type	U max DC V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V-PV-T1+2-1500	1500	Y configuration	1	49.200	**5094240**

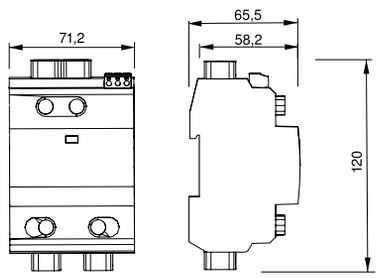


Type 1+2 combination arrestor for lightning and surge protection of PV systems.

- Lightning protection equipotential bonding according to IEC 62305 (VDE 0185-305)
- Surge protection according to IEC 60364-7-712 (VDE 0100-712)
- Arresting capacity to 12.5 kA (10/350) and 40 kA (8/20)
- Error-resistant Y circuit with status display
- The FS variant possesses a potential-free changeover contact for remote signalling

Application: Lightning current and surge protection devices for PV systems.

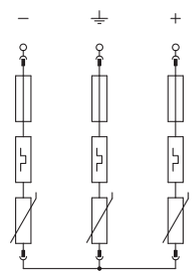
Dimensions



V-PV-T1+2-1500

U max DC	U_c DC	1500 V
SPD to EN 61643-11		Type 1+2
Lightning protection zone LPZ		0→2
Impulse discharge current (10/350)	I_{imp}	6.25 kA
Nominal discharge current (8/20)	I_n	20 kA
Maximum discharge current (8/20 µs)	I_{max}	40 kA
Protection level	U_p	< 4,5 kV
Response time	t_A	< 25 ns
Temperature range	ϑ	-40 - 80 °C
Protection rating		IP20
Division unit TE (17.5 mm)		4
Connection cross-section rigid		2.5 - 35 mm²
Connection cross-section, multi-wire		2.5 - 35 mm²
Connection cross-section, flexible		2.5 - 35 mm²

Connection options



Always indicate the item number when ordering.

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PV complete block 1500V DC with remote signalling



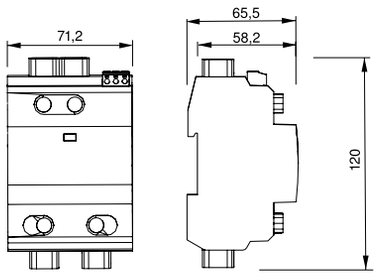
Type	U max DC V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V-PV-T1+2-1500FS	1500	Y configuration + RS	1	49.600	**5094242**

Type 1+2 combination arrestor for lightning and surge protection of PV systems.

- Lightning protection equipotential bonding according to IEC 62305 (VDE 0185-305)
- Surge protection according to IEC 60364-7-712 (VDE 0100-712)
- Arresting capacity to 12.5 kA (10/350) and 40 kA (8/20)
- Error-resistant Y circuit with status display
- The FS variant possesses a potential-free changeover contact for remote signalling

Application: Lightning current and surge protection devices for PV systems.

Dimensions



PV type 1+2 lightning current and surge protection 600 V and 900 V DC

PV complete block 1000V DC



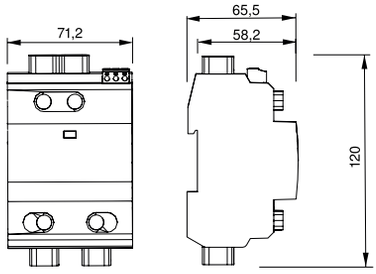
Type	U max DC V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V-PV-T1+2-1000	1000	Y configuration	1	40.700	**5094230**

Type 1+2 combination arrestor according to EN 50539-11 for lightning and surge protection of PV systems.

- Lightning protection equipotential bonding according to IEC 62305 (VDE 0185-305)
- Surge protection according to IEC 60364-7-712 (VDE 0100-712)
- Arresting capacity to 12.5 kA (10/350) and 40 kA (8/20)
- Error-resistant Y circuit with status display
- The FS variant possesses a potential-free changeover contact for remote signalling

Application: Lightning current and surge protection devices for PV systems.

Dimensions



Always indicate the item number when ordering.

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PV complete block 1000V DC with remote signalling

Type	U max DC V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V-PV-T1+2-1000FS	1000	Y configuration + RS	1	41.200	**5094232**

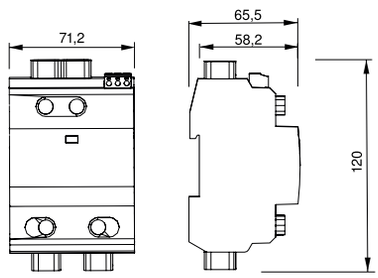
Type 1+2 combination arrestor according to EN 50539-11 for lightning and surge protection of PV systems.

- Lightning protection equipotential bonding according to IEC 62305 (VDE 0185-305)
- Surge protection according to IEC 60364-7-712 (VDE 0100-712)
- Arresting capacity to 12.5 kA (10/350) and 40 kA (8/20)
- Error-resistant Y circuit with status display
- The FS variant possesses a potential-free changeover contact for remote signalling

Application: Lightning current and surge protection devices for PV systems.



Dimensions



PV type 1+2 lightning current and surge protection 600 V and 900 V DC

PV combination arrestor V25, 900 V DC with remote signalling

Type	U max DC V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V25-B+C 3PHFS900	900	3-pole for PV systems with RS	1	53.500	**5097448**

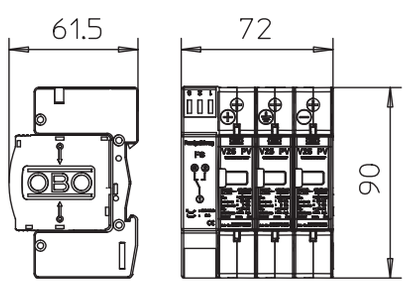
V25 combination arrestor, type 1+2, for photovoltaic systems

- Complete unit, consisting of plug-in varistor arrestor with cut-off unit
- Error-resistant Y circuit to VDE 0100-712 (EN 50539-12)
- Surge protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Arresting capacity up to 7 kA (10/350) and 50 kA (8/20) per pole
- Low DC protection level: < 3.0 kV and Voc max = 900 V DC
- With visual function display for use in distributor housings

Application: PV systems with lightning protection system



Dimensions



Always indicate the item number when ordering.

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PV combination arrestor V25, 900 V DC



Type 1+2 | LPZ 0→2

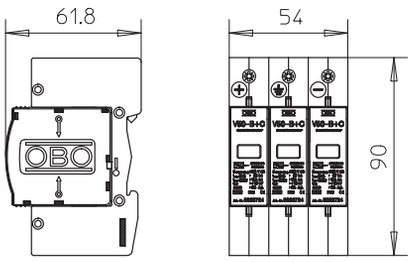
Type	U max DC V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V25-B+C 3-PH900	900	3-pole for PV systems	1	42.200	**5097447**

V25 combination arrestor, type 1+2, for photovoltaic systems

- Complete unit, consisting of plug-in varistor arrestor with cut-off unit
- Error-resistant Y circuit to VDE 0100-712 (EN 50539-12)
- Surge protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Arresting capacity up to 7 kA (10/350) and 50 kA (8/20) per pole
- Low DC protection level: < 3.0 kV and Voc max = 900 V DC
- With visual function display for use in distributor housings

Application: PV systems with lightning protection system

Dimensions



PV type 1+2 lightning current and surge protection 600 V and 900 V DC

PV combination arrestor V50, 600 V DC with remote signalling



Type 1+2 | LPZ 0→2

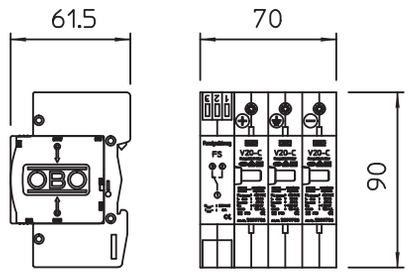
Type	U max DC V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V50-B+C 3PHFS600	600	3-pole for PV systems with FS	1	49.600	**5093625**

V50 combination arrestor, type 1+2, for photovoltaic systems

- Complete unit, consisting of plug-in varistor arrestor with cut-off unit
- Error-resistant Y circuit to VDE 0100-712 (EN 50539-12)
- Surge protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Arresting capacity up to 12.5 kA (10/350) and 50 kA (8/20) per pole
- Low DC protection level: < 2.6 kV and Voc max = 600 V DC
- With visual function display for use in distributor housings

Application: PV systems with lightning protection system

Dimensions



Always indicate the item number when ordering.

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PV complete block 1500V DC

Type 2 | LPZ 1→2

Type	U max DC V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V-PV-T2-1500	1500	Y configuration	1	33.800	**5094210**

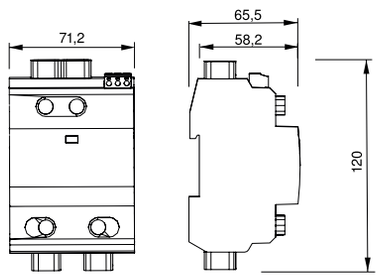


Type 2 surge protection for PV plants.

- Surge protection according to IEC 60364-7-712 (VDE 0100-712)
- Arresting capacity of 20 kA per pole and up to 40 kA (8/20)
- Error-resistant Y circuit with status display
- The FS variant possesses a potential-free changeover contact for remote signalling

Application: Surge protection devices for PV systems.

Dimensions



PV type 2 surge protection complete block 600 V and 1,000 V DC

PV complete block 1500V DC with remote signalling

Type 2 | LPZ 1→2

Type	U max DC V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V-PV-T2-1500+FS	1500	Y configuration + RS	1	34.400	**5094212**

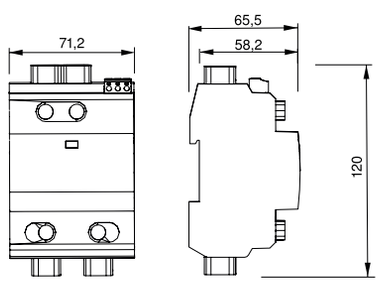


Type 2 surge protection for PV plants.

- Surge protection according to IEC 60364-7-712 (VDE 0100-712)
- Arresting capacity of 20 kA per pole and up to 40 kA (8/20)
- Error-resistant Y circuit with status display
- The FS variant possesses a potential-free changeover contact for remote signalling

Application: Surge protection devices for PV systems.

Dimensions



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Always indicate the item number when ordering.

PV surge protection V20, 1,000 V DC



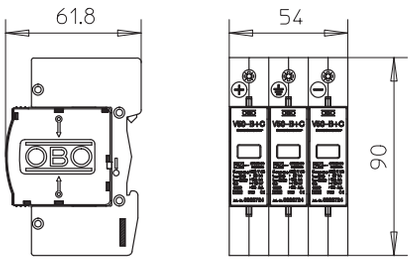
Type	U max DC V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-C 3-PH-1000	1000	3-pole for PV systems	1	36.500	**5094608**

V20 surge arrestor, type 2, for photovoltaic systems

- Complete unit, consisting of plug-in varistor arrestor with cut-off unit
- Error-resistant Y circuit to VDE 0100-712 (EN 50539-12)
- Surge protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- V20-C 3-PH-1000 tested to EN 50539-11 (VDE / KEMA)
- Arresting capacity to 40 kA (8/20) per pole
- Low DC protection level: < 4.0 kV and Voc max = 1,000 V DC
- With visual status display for use in distributor housings

Application: PV systems with or without separate lightning protection system

Dimensions



PV type 2 surge protection complete block 600 V and 1,000 V DC

PV surge protection V20, 1,000 V DC with remote signalling



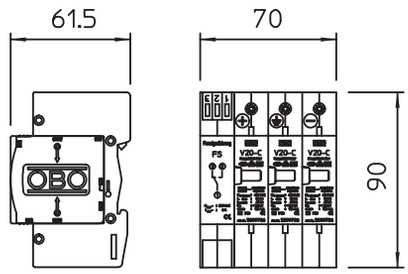
Type	U max DC V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-C 3PHFS-1000	1000	3-pole for PV systems with FS	1	44.500	**5094574**

V20 surge arrestor, type 2, for photovoltaic systems

- Complete unit, consisting of plug-in varistor arrestor with cut-off unit
- Error-resistant Y circuit to VDE 0100-712 (EN 50539-12)
- Surge protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- V20-C 3-PH-1000 tested to EN 50539-11 (VDE / KEMA)
- Arresting capacity to 40 kA (8/20) per pole
- Low DC protection level: < 4.0 kV and Voc max = 1,000 V DC
- With visual status display for use in distributor housings

Application: PV systems with or without separate lightning protection system

Dimensions



Always indicate the item number when ordering.

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PV surge protection V20, 600 V DC

Type 2 | LPZ 1→2

Type	U max DC V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-C 3PH-600	600	3-pole for PV systems	1	33.500	**5094605**

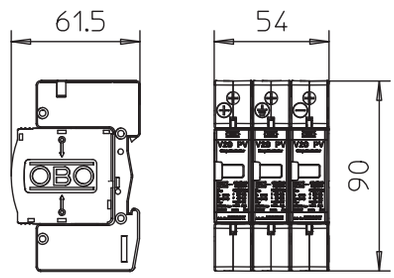
V20 surge arrestor, type 2, for PV systems

- Complete unit, consisting of plug-in varistor arrestor with cut-off unit
- Error-resistant Y circuit for use according to VDE 0100-712 (EN 50539-12)
- For surge protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Arresting capacity to 40 kA (8/20) per pole
- Low DC protection level: < 2.6 kV (Voc max = 600 V DC)
- Arrestor, connectable with thermodynamic cut-off unit and visual function display
- Encapsulated, zinc oxide varistor arrestor for use in distributor housings

Application: PV systems with or without separate lightning protection system



Dimensions



PV surge protection V20, 600 V DC with remote signalling

Type 2 | LPZ 1→2

Type	U max DC V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-C 3PHFS-600	600	3-pole for PV systems; Y circuit with FS	1	41.500	**5094576**

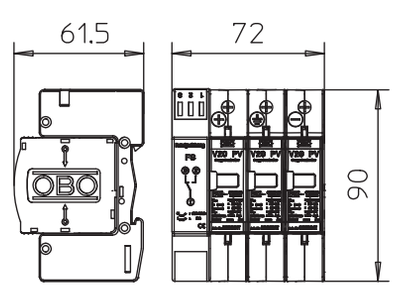
V20 surge arrestor, type 2, for PV systems

- Complete unit, consisting of plug-in varistor arrestor with cut-off unit
- Error-resistant Y circuit for use according to VDE 0100-712 (EN 50539-12)
- For surge protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Arresting capacity to 40 kA (8/20) per pole
- Low DC protection level: < 2.6 kV (Voc max = 600 V DC)
- Arrestor, connectable with thermodynamic cut-off unit and visual function display
- Encapsulated, zinc oxide varistor arrestor for use in distributor housings

Application: PV systems with or without separate lightning protection system



Dimensions

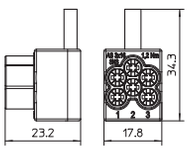


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Always indicate the item number when ordering.

Connection terminal for through-wiring





Type	Colour	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
AS 3x16	Light grey	3 x 16 mm²	5	2.474	**5012010**

Connection terminal type: AS 3 x 16

Connection cross-section: 3 x 1.5 - 16 sq mm rigid/ multiple strands
3 x 1.5 - 10 sq mm fine-wire/with wire end sleeve
Stripping length: 16 mm
Rec. tightening torque: 1.2 Nm
Nominal current: 50 A
Width: 17.5 mm (1 TE)

For EMC-optimised V through-wiring to IEC 60364-5-53 (VDE 0100-534).

PV lightning and surge protection upper parts

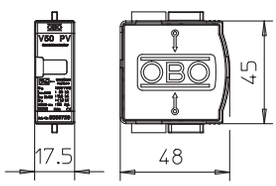
PV cover - lightning and surge arrestor, type 1+2

Type 1+2 | LPZ 0→2



Type	U max DC V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V50-B+C 0-300PV	300	1-pole, PV upper part with Y base to 600 V DC	1	8.200	**5093726**

V50-B+C/...PV: CombiController upper part, type 1+2, combination arrestor for photovoltaic systems



- For surge protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Arresting capacity to 12.5 kA (10/350) and 50 kA (8/20) per pole
- Low DC protection level: < 1.3 kV per pole (Y circuit: 2.6 kV and Voc max = 600 V DC)
- Arrestor, connectable with thermodynamic cut-off unit and visual function display
- Encapsulated, zinc oxide varistor arrestor for use in distributor housings
- High current carrying capacity with long lifespan

Application: PV systems with or without separated insulated lightning protection system

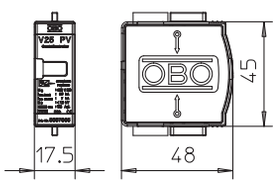
PV cover - lightning and surge arrestor, type 1+2

Type 1+2 | LPZ 0→2



Type	U max DC V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V25-B+C 0-450PV	450	1-pole, PV upper part with Y base to 900 V DC	1	9.500	**5097065**

V25-B+C/...PV: CombiController upper part, type 1+2, combination arrestor for photovoltaic systems



- For surge protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Arresting capacity to 7 kA (10/350) and 50 kA (8/20) per pole
- Low DC protection level: < 1.5 kV per pole (Y circuit: 3.0 kV and Voc max = 900 V DC)
- Arrestor, connectable with thermodynamic cut-off unit and visual function display
- Encapsulated, zinc oxide varistor arrestor for use in distributor housings
- High current carrying capacity with long lifespan

Application: PV systems with or without separated insulated lightning protection system

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Always indicate the item number when ordering.

PV cover - surge arrestor, type 2

Type 2 | LPZ 1→2

Type	U max DC V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-C 0-300PV	300	1-pole, PV upper part with Y base to 600 V DC	1	5.500	**5099611**

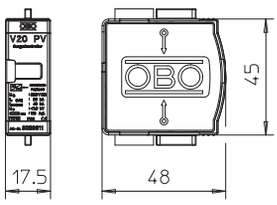


V20-C/...PV: SurgeController upper part, type 2, surge arrestor for photovoltaic systems

- For surge voltage protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Arresting capacity to 40 kA (8/20) per pin

- Low DC protection level: < 1.3 kV per pole (Y circuit: 2.6 kV and Voc max = 600 V DC)
- Arrestor, connectable with thermodynamic cut-off unit and visual status display
- Encapsulated, non-extinguishing zinc oxide varistor arrestor for use in distributor housings
- High current carrying capacity with long lifespan

Application example: PV systems with or without separated insulated lightning protection system



PV cover - surge arrestor, type 2

Type 2 | LPZ 1→2

Type	U max DC V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-C 0-500PV	500	1-pole, PV upper part with Y base to 1,000 V DC	1	6.500	**5099708**

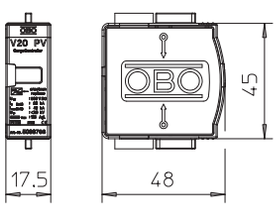


V20-C/...PV: SurgeController upper part, type 2, surge arrestor for photovoltaic systems

- For surge voltage protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Arresting capacity to 40 kA (8/20) per pin

- Low DC protection level: < 1.3 kV per pole (Y circuit: 2.6 kV and Voc max = 600 V DC)
- Arrestor, connectable with thermodynamic cut-off unit and visual status display
- Encapsulated, non-extinguishing zinc oxide varistor arrestor for use in distributor housings
- High current carrying capacity with long lifespan

Application example: PV systems with or without separated insulated lightning protection system



PV base, 3-pole in Y circuit

Type 1+2 | Type 2 | LPZ 0→1 | LPZ 1→2

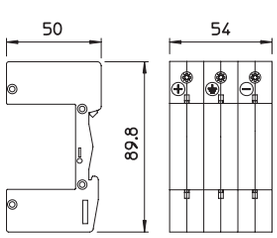
Type	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
V20-C U-3PH-Y	3-pole Y circuit for PV	1	17.000	**5096647**



V 20-C/3-PH-Y: Bottom part for photovoltaic systems up to Uoc = 1,000 V (Y-circuit)

- Suitable for V 25-B+C upper parts type 1+2 combination arrestor
- Suitable for V 20-C upper parts type 2 surge arrestor
- Protection circuit against transverse and longitudinal voltages
- Y-protection circuit
- Low protection level < 4.0 kV (Uoc max = 1,000 V DC with V20-C/0-440)
- Low protection level < 3.0 kV (Uoc max = 900 V DC with V25-B+C/0-385)
- Low protection level < 2.6 kV (Uoc max = 600 V DC with V50-C/0-280)

Indicated connectors
Application: In photovoltaic systems between PH modules and inverters.



Always indicate the item number when ordering.

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Surge protection devices for telecommunications applications: The plus of the combination protection devices

+ Simple installation
+ Low protection level
+ High arresting capability
+ High bandwidth
+ Wide range of uses



Combined protection device for VDSL, ISDN and DSL systems

The data cable protection devices for telecommunications applications are available as combination protection and fine protection. Depending on the application, from DSL through to analogue communication, the devices are used for direct intermediate switching into the data cable, meaning that they can easily be retrofitted in existing installations. The devices differ in their connection technology and transmission cable and are thus optimised for their appropriate applications, in order to cause the lowest attenuation level possible.

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Always indicate the item number when ordering.

Combination protection device TD-2d-V for VDSL systems

IP 54 | LPZ 0→3 | ISDN | DSL | Analog TK

Type	Highest continuous voltage AC V	Highest continuous voltage DC V	Number of poles	Connection system	Pack. pcs	Weight kg/100 pcs.	Item No.
TD-2D-V	125	180	2	Terminal	1	9.500	**5081698**

Plastic

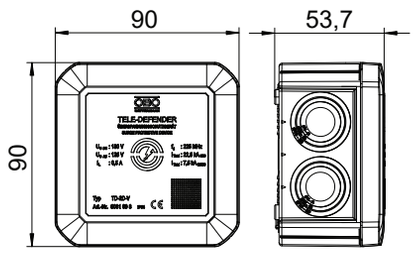
Data cable protection device for telecommunications equipment

- Low protection level at a high current load
- "Push-in" clamps for quick installation
- Bandwidth-optimised for secure transmission up to 225 MHz
- Surface mounting

Application: Ideal for all DSL systems, IP connections, ISDN or analogue telecommunications



Dimensions



Combination protection device TD-4/I for ISDN and DSL systems

IP 54 | LPZ 0→3 | ISDN | DSL | Analog TK

Type	Highest continuous voltage AC V	Highest continuous voltage DC V	Number of poles	Connection system	Pack. pcs	Weight kg/100 pcs.	Item No.
TD-4/I	120	170	4	Terminal	1	11.000	**5081690**

Plastic

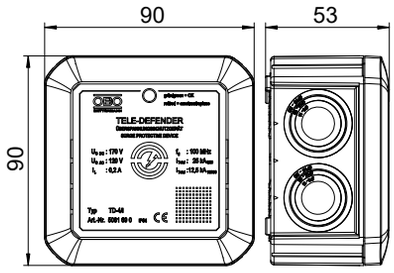
Data cable protection device for telecommunications equipment

- Low protection level at a high current load
- "Push-in" terminals for quick installation
- Bandwidth-optimised for secure transmission
- Surface mounting
- Visual function display

Application: DSL systems, IP connections, ISDN or analogue telecommunications



Dimensions



Always indicate the item number when ordering.

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Combination protection device TD-2/D-HS for ISDN and DSL systems

IP 20 | LPZ 0→2 | ISDN | DSL | Analog TK



Type	Highest continuous voltage AC V	Highest continuous voltage DC V	Number of poles	Connection system	Pack. pcs	Weight kg/100 pcs.	Item No.
TD-2/D-HS	120	170	2	Terminal	1	4.800	**5081694**

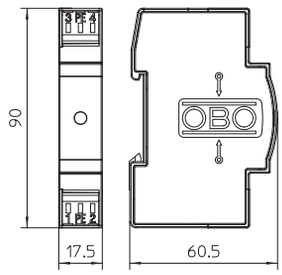
Plastic

Data cable protection devices for telecommunication systems

- Low protection level at high current load
- Screwless terminals or connectable
- Bandwidth-optimised for secure transmission
- Quick mounting onto DIN rail for a telephone line
- Visual function display

Application: DSL systems, ISDN or analogue telecommunication

Dimensions



Fine protection device TELE 4-F for ISDN RJ11

LPZ 1→3 | Analog TK | ISDN



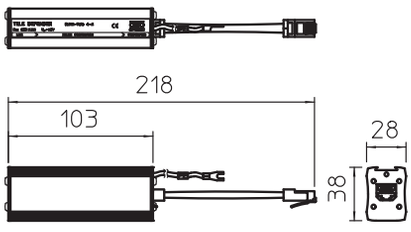
Type	Version	Connection system	Pack. pcs	Weight kg/100 pcs.	Item No.
RJ11-TELE 4-F	Fine protection, 4 wires	RJ11	1	14.000	**5081977**

Data line protection device for analogue telecommunications systems

- In aluminium housing
- With 2-stage protection circuit
- Simple mounting
- Incl. 150 mm connection cable with RJ11 and/or RJ45 connectors
- Optimised bandwidth for TC systems
- DIN rail mounting with DLS-BS accessories (5082 38 2)

Application: For analogue telecommunication systems

Dimensions



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Always indicate the item number when ordering.

Fine protection device TELE 4-F for ISDN RJ45

Type	Version	Connection system	Pack. pcs	Weight kg/100 pcs.	Item No.
RJ45-TELE 4-F	Fine protection, 4 wires	RJ45	1	14.000	**5081984**

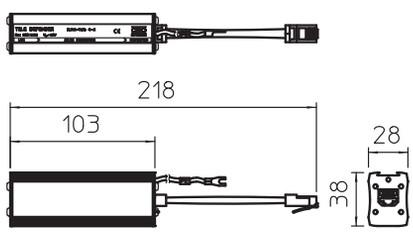
Data line protection device for analogue telecommunications systems

- In aluminium housing
- With 2-stage protection circuit
- Simple mounting
- Incl. 150 mm connection cable with RJ11 and/or RJ45 connectors
- Optimised bandwidth for TC systems
- DIN rail mounting with DLS-BS accessories (5082 38 2)

Application: For analogue telecommunication systems



Dimensions



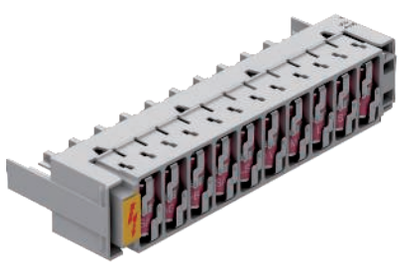
LSA basic protection magazine

Type	Installation type	Number of poles	Pack. pcs	Weight kg/100 pcs.	Item No.
LSA-B-MAG	LSA-Plus, connectable	20	1	8.600	**5084020**

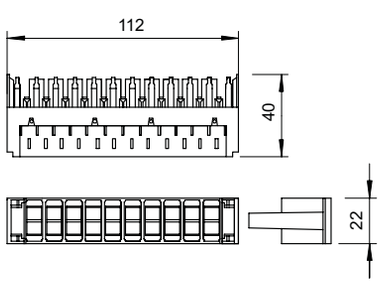
LSA-B-MAG: LSA basic protection magazine for use in multi-core data cable systems, MCR systems and telephone switchboards.

- Basic protection
- Equipped with 20 gas charge tubes
- Max. voltage: 180 V

Application: Directly on LSA-Plus separating strips or connection strips (e.g. OBO LSA-A-LEI (5084 00 8) or OBO LSA-T-LEI (5084 01 2).



Dimensions

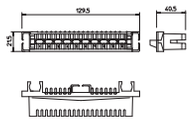


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Always indicate the item number when ordering.

LSA separating strip





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
LSA-T-LEI	White	1	5.400	**5084012**

LSA-T-LEI: LSA separating strip 2/10 for attaching up to ten double-cores.

- For use with protection element LSA-BF-180, LSA-BF-24, LSA-B-MAG
- Fastening to mounting trough LSA-M
- Colour: white
- Clampable cross-sections 0.14-0.5 (AWG 26 to 20)

LSA earthing rail



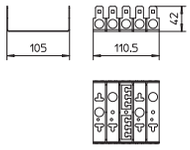


Type	Pack. pcs	Weight kg/100 pcs.	Item No.
LSA-E	1	1.000	**5084032**

LSA-E: Earth rail as earth connection between overvoltage protectors LFS-BF… (1 DA) and distributor connector LSA-...-LEI.

LSA installation trough





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
LSA-M	1	7.800	**5084036**

St Steel

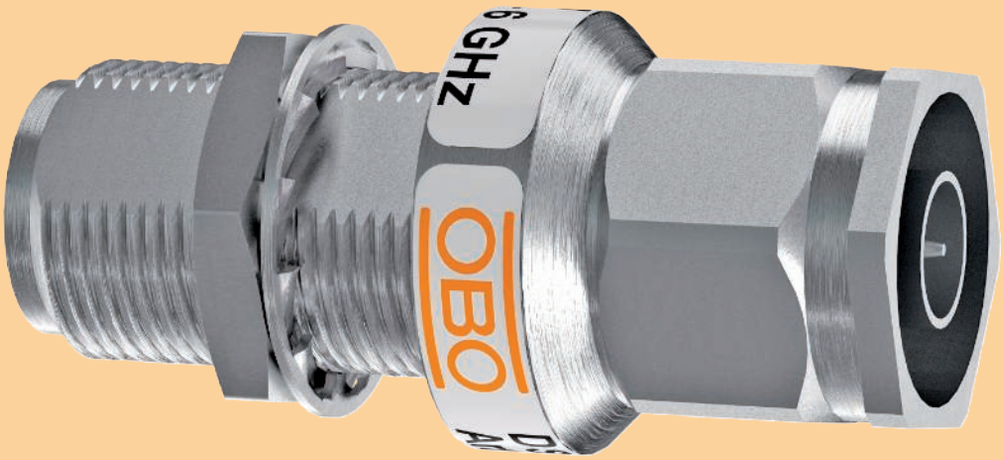
LSA-M: Installation trough for 5 connection or separating strips. Grid 22.5 mm.
Depth: 22 mm; 30 mm; 50 mm

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Always indicate the item number when ordering.

Surge protection for high frequency applications: the plus of the DS family

- Coaxial protection devices
- Optimum protection for sensitive systems
- Low insertion attenuation and low return loss at different wave resistances
- High bandwidth



Coaxial protection devices for S-UHF, BNC, N, TNC, F and SMA connection

The coaxial protection devices of type DS offer optimum protection of sensitive systems, based on coaxial plug connections. The low insertion attenuation and low return attenuation at different wave resistances offer ideal protection for any application. In accordance with their structure, the protection devices are switched into the application in series, and are connected to the local equipotential bonding. The direct shield earthing avoids reducing of the shield performance.

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Always indicate the item number when ordering.

Coaxial protection device for SAT and cable multiswitch

Type	Connection system	Frequency range	Connection system	Pack. pcs	Weight kg/100 pcs.	Item No.
TV 4+1	F	0,5 - 2,8 GHz	F	1	37.000	**5083400**

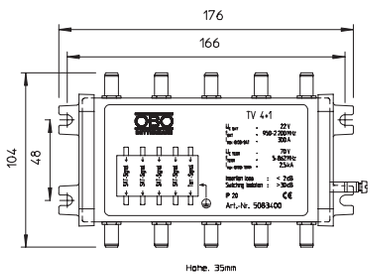


Coaxial data line protection for TV reception systems

- Protects up to four SAT lines
- Protects one terrestrial line, e.g. DVB-T.
- Simple mounting using screws and holder
- With F-connector
- Optimum transmission behaviour with 75 Ohm technology.

Application: Protection of TV and SAT systems, multi-switches, receivers and DVB-T receivers

Dimensions



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Always indicate the item number when ordering.

Surge protection devices for network technology and CCTV camera systems

- Connectable protection device
- High-performance surge protection
- Usable in the "Channel Link" up to 10 GBit
- Supports Power over Ethernet to 1 A
- Testing protocol available



Surge protection for data and network technology PoE++ or 4PPoE Standard (IEEE 802.3bt)

The "Net Defender" permits the use of Power over Ethernet with nominal currents of up to 1 A and optimised surge protection in the channel up to 10 GBit/s. This corresponds to a Channel Performance according to ISO/IEC 11801 Amd. 2 of Class EA or CAT 6A to TIA/ANSI. Of course, reverse compatibility is also guaranteed. To ensure easy installation, the "Net Defender" can be snapped directly onto the DIN rail and uses it to create the necessary equipotential bonding. Alternatively, terminal protection using a separately connectable earthing line is possible.

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Always indicate the item number when ordering.

Surge protection for high-speed networks up to 10 GBit (Class EA/CAT6A)

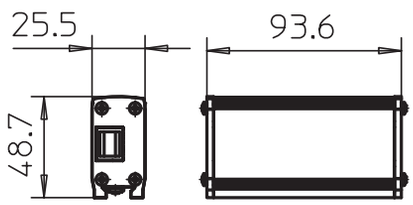
Type	Version	Connection system	Pack. pcs	Weight kg/100 pcs.	Item No.
ND-CAT6A/EA	Fine protection, 8 wires + shield	RJ45 8(8)	1	16.600	**5081800**



Data cable protection device for high-speed networks
- High-quality RJ45 sockets
- Low protection level at high current load
- Earthing via DIN rail or connection cable
- Support of Power over Ethernet ++ (PoE++/4PPoE) in 1 A in accordance with IEEE 802.3
- Tested transmission quality in networks up to 10 GBit (Class EA) or CAT6A
- Rapid installation through plug-in version
- Incl. DIN rail fastening set and earthing cable

Application example: 10 GBit Ethernet, 10/100 MBit Ethernet, PoE applications, IP camera systems, ISDN S0 interfaces

Dimensions



Surge protection for high-speed networks up to 1 GBit (Class ND-CAT6/E-B)

Type	Version	Connection system	Pack. pcs	Weight kg/100 pcs.	Item No.
ND-CAT6/E-B	Basic protection, 8 wires + shield	RJ45 8(8)	1	16.220	**5081804**

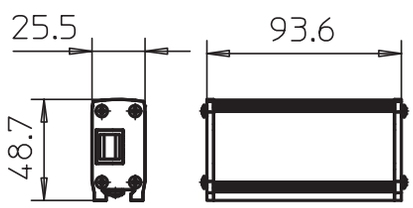
Alu Aluminium



Data cable protection device for high-speed networks
- High-quality RJ45 sockets
- Low protection level at high current load
- Earthing via DIN rail or connection cable
- Support of Power over Ethernet ++ (PoE++/4PPoE) to 1 A in accordance with IEEE 802.3
- Tested transmission quality in networks up to 10 GBit (Class EA) or CAT6A
- Rapid installation through plug-in version
- Incl. DIN rail fastening set and earthing cable

Application example: 10 GBit Ethernet, 10/100 MBit Ethernet, PoE applications, IP camera systems, ISDN S0 interfaces

Dimensions



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Always indicate the item number when ordering.

Surge protection for high-speed networks up to 1 GBit (Class ND-CAT6/E-F)



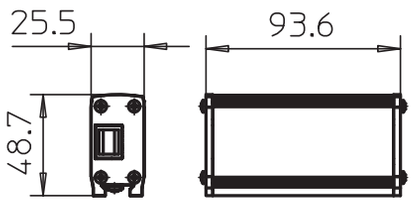
Type	Version	Connection system	Pack. pcs	Weight kg/100 pcs.	Item No.
ND-CAT6/E-F	Fine protection, 8 wires + shield	RJ45 8(8)	1	16.380	**5081802**

Alu Aluminium

Data cable protection device for high-speed networks
- High-quality RJ45 sockets
- Low protection level at high current load
- Earthing via DIN rail or connection cable
- Support of Power over Ethernet ++ (PoE++/4PPoE) to 1 A in accordance with IEEE 802.3
- Tested transmission quality in networks up to 10 GBit (Class EA) or CAT6A
- Rapid installation through plug-in version
- Incl. DIN rail fastening set and earthing cable

Application example: 10 GBit Ethernet, 10/100 MBit Ethernet, PoE applications, IP camera systems, ISDN S0 interfaces

Dimensions



Fine protection 8-F for Ethernet networks (Class D/CAT 5)



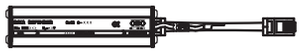
Type	Version	Connection system	Pack. pcs	Weight kg/100 pcs.	Item No.
RJ45 S-ATM 8-F	Fine protection, 8 wires + shield	RJ45 8(8)	1	14.000	**5081990**

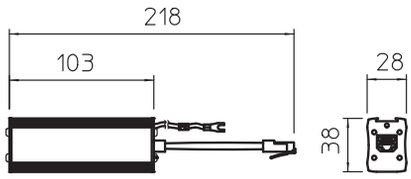
Universal data cable protection device for network technology and telecommunication systems

- In aluminium housing
- Protection for 8 cores
- With two-stage protective circuit
- Simple mounting
- With RJ45 Western connector
- Incl. 150 mm connection cable with RJ45 connectors
- Cat 5e network technology, 10BaseT, 100BaseT, 1000BaseT
- DIN rail mounting with accessories DLS-BS (5082 38 2)

Application: For analogue, ISDN, DSL systems, Ethernet Twisted Pair.

Dimensions





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Always indicate the item number when ordering.

Combination arrestor for 10Base2-/10Base5 networks

Type	Version	Connection system	Pack. pcs	Weight kg/100 pcs.	Item No.
KOAX B-E2 MF-C	Combi protection	BNC	1	10.300	**5082430**

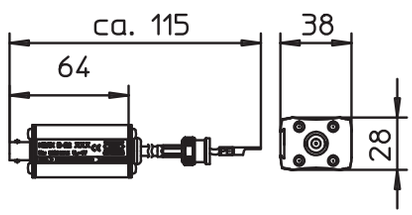
Data line protection device for coaxial Ethernet network systems

- In aluminium housing
- BNC connector m/f
- Simple mounting with adapter plug
- Two-stage protection circuit
- DIN rail mounting with DLS-BS accessories (5082 38 2)

Application: Protecting video signals; cameras and/or CCTV units, Cheapernet, 10BASE2, 10BASE5



Dimensions



Fine protection for 10Base2-/10Base5 networks

Type	Version	Connection system	Pack. pcs	Weight kg/100 pcs.	Item No.
KOAX B-E2 MF-F	Fine protection	BNC	1	9.800	**5082432**

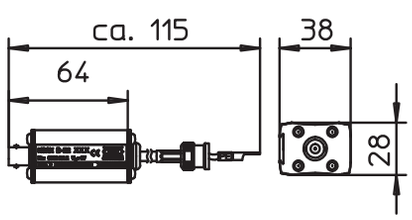
Data line protection device for coaxial Ethernet network systems

- In aluminium housing
- BNC connector m/f
- Simple mounting with adapter plug
- Two-stage protection circuit
- DIN rail mounting with DLS-BS accessories (5082 38 2)

Application: Protecting video signals; cameras and/or CCTV units, Cheapernet, 10BASE2, 10BASE5



Dimensions



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Always indicate the item number when ordering.

Data cable protection device for coaxial TV / camera systems



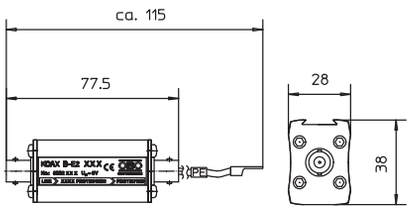
Type	Version	Connection system	Pack. pcs	Weight kg/100 pcs.	Item No.
KOAX B-E2 FF-F	Fine protection	BNC	1	14.400	**5082434**

Data cable protection device for coaxial TV / camera systems

- In aluminium housing
- BNC connector socket/socket
- Simple mounting with adapter plug
- Two-stage protection circuit
- DIN rail mounting with DLS-BS accessories (5082 38 2)

Application: Protection of CCTV, video signals; cameras and/or TV systems

Dimensions



Combination arrestor for 4-wire information technology systems with RJ45



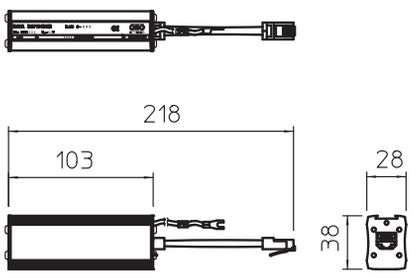
Type	Version	Connection system	Pack. pcs	Weight kg/100 pcs.	Item No.
RJ45 S-E100 4-C	Combined protection, 4 wires + shield	RJ45	1	14.000	**5081003**

Data line protection device for IT systems

- In aluminium housing
- RJ45 connector
- Incl. 150 mm connection cable with RJ45 connectors
- Simple mounting using adapter
- 2-stage protection circuit
- DIN rail mounting with DLS-BS accessories (5082 38 2)

Application: Twisted Pair, control circuits, RJ45 communication cables

Dimensions



Always indicate the item number when ordering.

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Fine protection for energy systems, series installation: the plus of the VF family

- High arresting capacity
- Low protection level
- Usable in AC/DC applications
- Simple mounting using screwless terminals
- UL-listed



Protection for 2-pole power supplies

The lightning barriers of type VF are fine protection devices, used for single-phase energy technology systems. Besides the low protection level, these devices also have a visual display, which will indicate defective surge protection. If required, remote signalling is also available using a changeover contact and an NC contact.

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Always indicate the item number when ordering.

MCR protection for 2-pole power supply, 12 V

Type 3 | LPZ 2→3

Type	Highest continuous voltage V	Pack. pcs	Weight kg/100 pcs.	Item No.
VF12-AC DC	13.5	1	9.000	**5097453**

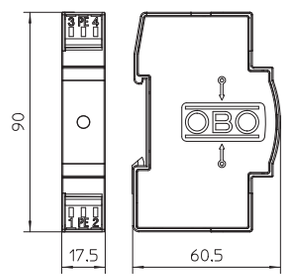
Surge protection device / fine protection type 3 to EN 61643-11

- Suitable for DC and AC voltage systems
- With visual function display
- With installation-friendly, screwless connection terminals
- In a space-saving 17.5 mm grid
- Y circuit

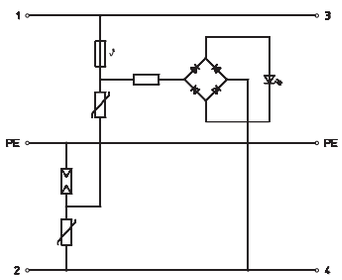
Application: Universal use on 35 mm DIN profile rail in every normal commercially available distributor housing.



Dimensions



Connection options



VF12-AC DC

U max AC	U_c AC	13.5 V
U max DC	U_c DC	18 V
SPD to EN 61643-11		Type 3
SPD to IEC 61643-11		Class III
Lightning protection zone LPZ		2→3
Nominal discharge current (8/20)	I_n	0,7 kA
Maximum discharge current (8/20 µs)	I_{max}	2 kA
Rated current	I_L	20 A
Protection level wire-wire		<110 V
Protection level wire-earth		<1200 V
Response time	t_A	<25 ns
Temperature range	ϑ	-40 - +80 °C
Protection rating		IP 20
Division unit TE (17.5 mm)		1
Connection cross-section rigid		0.14 - 2.5 mm²
Connection cross-section, multi-wire		0.14 - 2.5 mm²
Connection cross-section, flexible		0.14 - 2.5 mm²

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Always indicate the item number when ordering.

MCR protection for 2-pole for power supply, 24 V



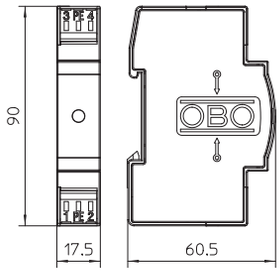
Type	Highest continuous voltage V	Pack. pcs	Weight kg/100 pcs.	Item No.
VF24-AC/DC	34	1	8.000	**5097607**

Surge protection device / fine protection type 3 to EN 61643-11

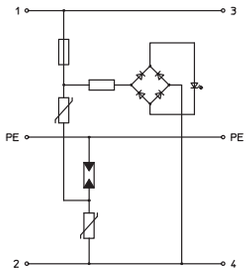
- Suitable for DC and AC voltage systems
- With visual function display
- With installation-friendly, screwless connection terminals
- In a space-saving 17.5 mm grid
- Y circuit

Application: Universal use on 35 mm DIN profile rail in every normal commercially available distributor housing.

Dimensions



Connection options



VF24-AC/DC

U max AC	U_c AC	34 V
U max DC	U_c DC	46 V
SPD to EN 61643-11		Type 3
SPD to IEC 61643-11		Class III
Lightning protection zone LPZ		2→3
Nominal discharge current (8/20)	I_n	0,7 kA
Maximum discharge current (8/20 µs)	I_{max}	2 kA
Rated current	I_L	20 A
Protection level wire-wire		<130 V
Protection level wire-earth		<1200 V
Response time	t_A	<25 ns
Temperature range	ϑ	-40 - +80 °C
Protection rating		IP 20
Division unit TE (17.5 mm)		1
Connection cross-section rigid		0.14 - 2.5 mm²
Connection cross-section, multi-wire		0.14 - 2.5 mm²
Connection cross-section, flexible		0.14 - 2.5 mm²

Always indicate the item number when ordering.

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MCR protection for 2-pole for power supply, 48 V

Type	Highest continuous voltage V	Pack. pcs	Weight kg/100 pcs.	Item No.
VF48-AC/DC	60	1	8.000	**5097615**

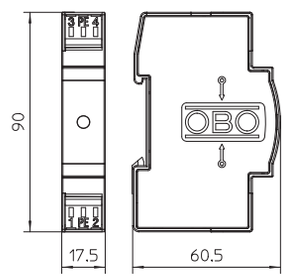


Surge protection device / fine protection type 3 to EN 61643-11

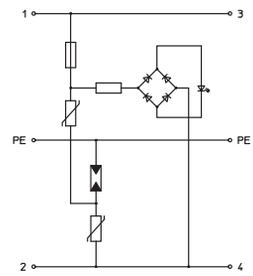
- Suitable for DC and AC voltage systems
- With visual function display
- With installation-friendly, screwless connection terminals
- In a space-saving 17.5 mm grid
- Y circuit

Application: Universal use on 35 mm DIN profile rail in every normal commercially available distributor housing.

Dimensions



Connection options



VF48-AC/DC

U max AC	U_c AC	60 V
U max DC	U_c DC	80 V
SPD to EN 61643-11		Type 3
SPD to IEC 61643-11		Class III
Lightning protection zone LPZ		2→3
Nominal discharge current (8/20)	I_n	0,7 kA
Maximum discharge current (8/20 µs)	I_{max}	2 kA
Rated current	I_L	20 A
Protection level wire-wire		<220 V
Protection level wire-earth		<1200 V
Response time	t_A	<25 ns
Temperature range	ϑ	-40 - +80 °C
Protection rating		IP 20
Division unit TE (17.5 mm)		1
Connection cross-section rigid		0.14 - 2.5 mm²
Connection cross-section, multi-wire		0.14 - 2.5 mm²
Connection cross-section, flexible		0.14 - 2.5 mm²

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Always indicate the item number when ordering.

MCR protection for 2-pole for power supply, 60 V



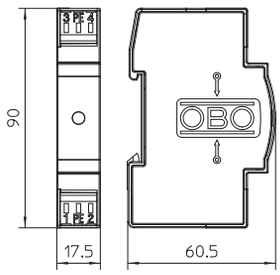
Type	Highest continuous voltage V	Pack. pcs	Weight kg/100 pcs.	Item No.
VF60-AC/DC	80	1	8.000	**5097623**

Surge protection device / fine protection type 3 to EN 61643-11

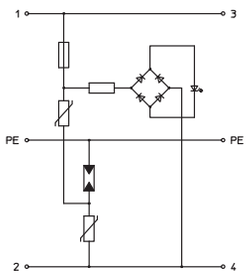
- Suitable for DC and AC voltage systems
- With visual function display
- With installation-friendly, screwless connection terminals
- In a space-saving 17.5 mm grid
- Y circuit

Application: Universal use on 35 mm DIN profile rail in every normal commercially available distributor housing.

Dimensions



Connection options



VF60-AC/DC

U max AC	U_c AC	80 V
U max DC	U_c DC	110 V
SPD to EN 61643-11		Type 3
SPD to IEC 61643-11		Class III
Lightning protection zone LPZ		2→3
Nominal discharge current (8/20)	I_n	0,7 kA
Maximum discharge current (8/20 µs)	I_{max}	2 kA
Rated current	I_L	20 A
Protection level wire-wire		<280 V
Protection level wire-earth		<1200 V
Response time	t_A	<25 ns
Temperature range	ϑ	-40 - +80 °C
Protection rating		IP 20
Division unit TE (17.5 mm)		1
Connection cross-section rigid		0.14 - 2.5 mm²
Connection cross-section, multi-wire		0.14 - 2.5 mm²
Connection cross-section, flexible		0.14 - 2.5 mm²

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Always indicate the item number when ordering.

MCR protection for 2-pole for power supply, 110 V

Type 3 | LPZ 2→3

Type	Highest continuous voltage V	Pack. pcs	Weight kg/100 pcs.	Item No.
VF110-AC DC	150	1	8.000	**5097631**

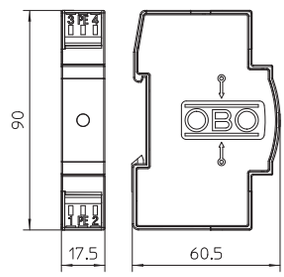
Surge protection device / fine protection type 3 to EN 61643-11

- Suitable for DC and AC voltage systems
- With visual function display
- With installation-friendly, screwless connection terminals
- In a space-saving 17.5 mm grid
- Y circuit

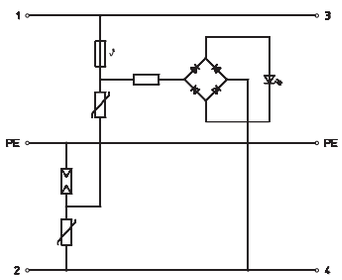
Application: Universal use on 35 mm DIN profile rail in every normal commercially available distributor housing.



Dimensions



Connection options



VF110-AC DC

U max AC	U_c AC	150 V
U max DC	U_c DC	200 V
SPD to EN 61643-11		Type 3
SPD to IEC 61643-11		Class III
Lightning protection zone LPZ		2→3
Nominal discharge current (8/20)	I_n	2 kA
Maximum discharge current (8/20 µs)	I_{max}	6.5 kA
Rated current	I_L	20 A
Protection level wire-wire		<500 V
Protection level wire-earth		<1400 V
Response time	t_A	<25 ns
Temperature range	ϑ	-40 - +80 °C
Protection rating		IP 20
Division unit TE (17.5 mm)		1
Connection cross-section rigid		0.14 - 2.5 mm²
Connection cross-section, multi-wire		0.14 - 2.5 mm²
Connection cross-section, flexible		0.14 - 2.5 mm²

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Always indicate the item number when ordering.

MCR protection for 2-pole for power supply, 230 V



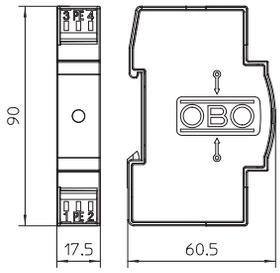
Type	Highest continuous voltage V	Pack. pcs	Weight kg/100 pcs.	Item No.
VF230-AC/DC	255	1	8.000	**5097650**

Surge protection device / fine protection type 3 to EN 61643-11

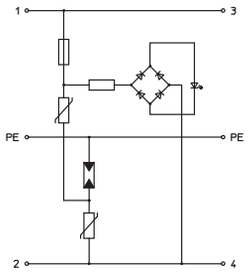
- Suitable for DC and AC voltage systems
- With visual function display
- With installation-friendly, screwless connection terminals
- In a space-saving 17.5 mm grid
- Y circuit

Application: Universal use on 35 mm DIN profile rail in every normal commercially available distributor housing.

Dimensions



Connection options



VF230-AC/DC

U max AC	U_c AC	255 V
U max DC	U_c DC	350 V
SPD to EN 61643-11		Type 3
SPD to IEC 61643-11		Class III
Lightning protection zone LPZ		2→3
Nominal discharge current (8/20)	I_n	2.5 kA
Maximum discharge current (8/20 µs)	I_{max}	7 kA
Rated current	I_L	20 A
Protection level wire-wire		<1000 V
Protection level wire-earth		<1400 V
Response time	t_A	<25 ns
Temperature range	ϑ	-40 - +80 °C
Protection rating		IP 20
Division unit TE (17.5 mm)		1
Connection cross-section rigid		0.14 - 2.5 mm²
Connection cross-section, multi-wire		0.14 - 2.5 mm²
Connection cross-section, flexible		0.14 - 2.5 mm²

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Always indicate the item number when ordering.

MCR protection for 2-pole power supply with remote signalling, 24 V AC/DC

Type 3 | LPZ 2→3 | FS

Type	Highest continuous voltage V	Pack. pcs	Weight kg/100 pcs.	Item No.
VF24-AC/DC-FS	34	1	6.620	**5097820**

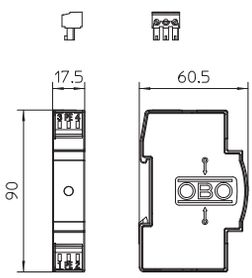
Surge protection / fine power protection, type 3, to EN 61643-11 with remote signalling

- With remote signalling, potential-free changeover contact, for function monitoring
- Suitable for DC and AC systems
- With visual function display
- With easy mounting, screwless connection terminals
- In space-saving 17.5 mm grid
- Y circuit

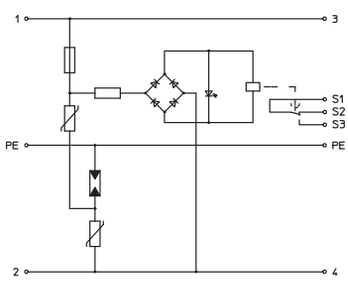
Application: Universal use on 35 mm DIN profile rails in any standard distributor housing.



Dimensions



Connection options



VF24-AC/DC-FS

U max AC	U_c AC	34 V
U max DC	U_c DC	46 V
SPD to EN 61643-11		Type 3
SPD to IEC 61643-11		Class III
Lightning protection zone LPZ		2→3
Nominal discharge current (8/20)	I_n	0,7 kA
Maximum discharge current (8/20 µs)	I_{max}	2 kA
Rated current	I_l	20 A
Protection level wire-wire		<160 V
Protection level wire-earth		<1200 V
Response time	t_A	<25 ns
Temperature range	ϑ	-40 - +80 °C
Protection rating		IP 20
Division unit TE (17.5 mm)		1
Connection cross-section rigid		0.14 - 2.5 mm²
Connection cross-section, multi-wire		0.14 - 2.5 mm²
Connection cross-section, flexible		0.14 - 2.5 mm²

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Always indicate the item number when ordering.

MCR protection for 2-pole power supply with remote signalling, 230 V AC



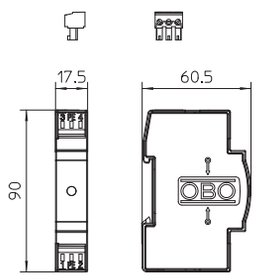
Type	Highest continuous voltage V	Pack. pcs	Weight kg/100 pcs.	Item No.
VF230-AC-FS	255	1	6.910	**5097858**

Surge protection / fine power protection, type 3, to EN 61643-11 with remote signalling

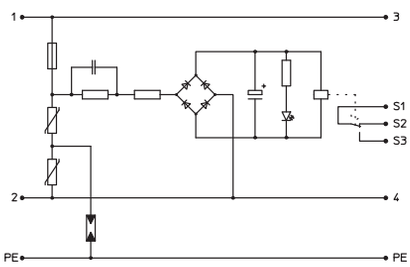
- With remote signalling, potential-free changeover contact, for function monitoring
- Suitable for AC systems
- With visual function display
- With easy mounting, screwless connection terminals
- In space-saving 17.5 mm grid
- Y circuit

Application: Universal use on 35 mm DIN profile rails in any standard distributor housing.

Dimensions



Connection options



VF230-AC-FS

U max AC	U_c AC	255 V
SPD to EN 61643-11		Type 3
SPD to IEC 61643-11		Class III
Lightning protection zone LPZ		2→3
Nominal discharge current (8/20)	I_n	2,5 kA
Maximum discharge current (8/20 µs)	I_{max}	7 kA
Rated current	I_L	20 A
Protection level wire-wire		<1060 V
Protection level wire-earth		<1400 V
Response time	t_A	<25 ns
Temperature range	ϑ	-40 - +80 °C
Protection rating		IP 20
Division unit TE (17.5 mm)		1
Connection cross-section rigid		0.14 - 2.5 mm²
Connection cross-section, multi-wire		0.14 - 2.5 mm²
Connection cross-section, flexible		0.14 - 2.5 mm²

Always indicate the item number when ordering.

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Medium and fine protection FRD for two-core systems 24 V

Type	Highest continuous voltage AC V	Highest continuous voltage DC V	Number of poles	Connection system	Pack. pcs	Weight kg/100 pcs.	Item No.
FRD 24	19	28	2	Terminal	1	5.100	**5098514**

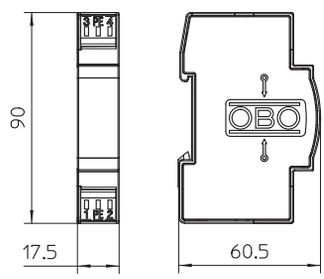


Surge protection for use in measurement and control technology

- Medium and fine protection
- Standard design for double core systems
- Two-stage protection circuit
- With installation-friendly, screwless connection terminals
- In space-saving 17.5 mm grid
- With ohmic decoupling in the longitudinal branch

Application: Universal use on any 35 mm DIN profile rail in every commercially available distributor housing.

Dimensions



Medium and fine protection FRD for two-core systems 48 V

Type	Highest continuous voltage AC V	Highest continuous voltage DC V	Number of poles	Connection system	Pack. pcs	Weight kg/100 pcs.	Item No.
FRD 48	37	53	2	Terminal	1	5.100	**5098522**

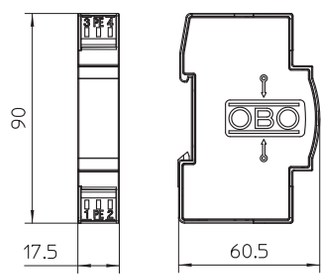


Surge protection for use in measurement and control technology

- Medium and fine protection
- Standard design for double core systems
- Two-stage protection circuit
- With installation-friendly, screwless connection terminals
- In space-saving 17.5 mm grid
- With ohmic decoupling in the longitudinal branch

Application: Universal use on any 35 mm DIN profile rail in every commercially available distributor housing.

Dimensions



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Always indicate the item number when ordering.

Medium and fine protection FRD for two-core systems 110 V



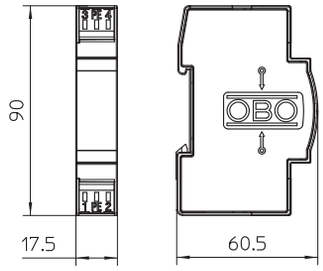
Type	Highest continuous voltage AC V	Highest continuous voltage DC V	Number of poles	Connection system	Pack. pcs	Weight kg/100 pcs.	Item No.
FRD 110	86	122	2	Terminal	1	5.100	**5098557**

Surge protection for use in measurement and control technology

- Medium and fine protection
- Standard design for double core systems
- Two-stage protection circuit
- With installation-friendly, screwless connection terminals
- In space-saving 17.5 mm grid
- With ohmic decoupling in the longitudinal branch

Application: Universal use on any 35 mm DIN profile rail in every commercially available distributor housing.

Dimensions



Medium and fine protection FLD for two-core systems 5 V



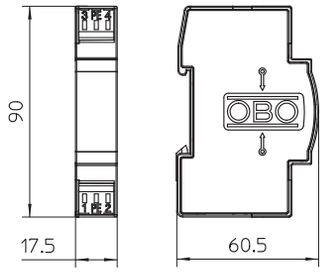
Type	Highest continuous voltage AC V	Highest continuous voltage DC V	Number of poles	Connection system	Pack. pcs	Weight kg/100 pcs.	Item No.
FLD 5	5	8	2	Terminal	1	5.200	**5098600**

Surge protection for use in measurement and control technology

- Medium and fine protection
- Standard design for single core systems
- Two-stage protection circuit
- With installation-friendly, screwless connection terminals
- In space-saving 17.5 mm grid
- With inductive decoupling in the longitudinal branch

Application: Universal use on any 35 mm DIN profile rail in every commercially available distributor housing.

Dimensions



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Always indicate the item number when ordering.

Medium and fine protection FLD for two-core systems 12 V

Type	Highest continuous voltage AC V	Highest continuous voltage DC V	Number of poles	Connection system	Pack. pcs	Weight kg/100 pcs.	Item No.
FLD 12	9	13	2	Terminal	1	5.200	**5098603**

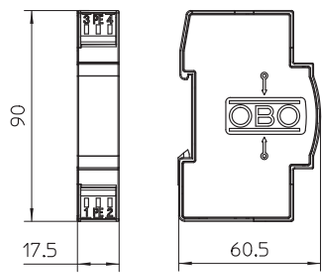
Surge protection for use in measurement and control technology

- Medium and fine protection
- Standard design for single core systems
- Two-stage protection circuit
- With installation-friendly, screwless connection terminals
- In space-saving 17.5 mm grid
- With inductive decoupling in the longitudinal branch

Application: Universal use on any 35 mm DIN profile rail in every commercially available distributor housing.



Dimensions



Medium and fine protection FLD for two-core systems 24 V

Type	Highest continuous voltage AC V	Highest continuous voltage DC V	Number of poles	Connection system	Pack. pcs	Weight kg/100 pcs.	Item No.
FLD 24	19	28	2	Terminal	1	5.200	**5098611**

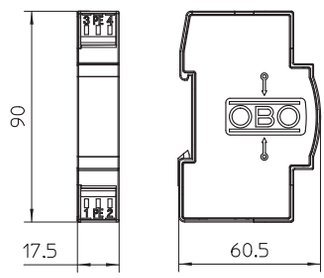
Surge protection for use in measurement and control technology

- Medium and fine protection
- Standard design for single core systems
- Two-stage protection circuit
- With installation-friendly, screwless connection terminals
- In space-saving 17.5 mm grid
- With inductive decoupling in the longitudinal branch

Application: Universal use on any 35 mm DIN profile rail in every commercially available distributor housing.



Dimensions



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Always indicate the item number when ordering.

Medium and fine protection FLD for two-core systems 48 V



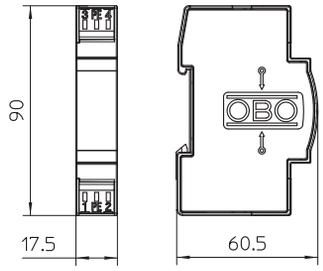
Type	Highest continuous voltage AC V	Highest continuous voltage DC V	Number of poles	Connection system	Pack. pcs	Weight kg/100 pcs.	Item No.
FLD 48	37	53	2	Terminal	1	5.200	**5098630**

Surge protection for use in measurement and control technology

- Medium and fine protection
- Standard design for single core systems
- Two-stage protection circuit
- With installation-friendly, screwless connection terminals
- In space-saving 17.5 mm grid
- With inductive decoupling in the longitudinal branch

Application: Universal use on any 35 mm DIN profile rail in every commercially available distributor housing.

Dimensions



Medium and fine protection FLD for two-core systems 110 V



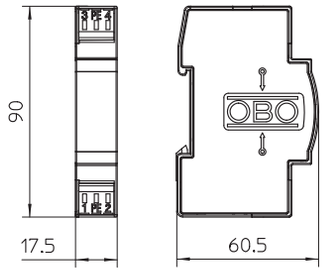
Type	Highest continuous voltage AC V	Highest continuous voltage DC V	Number of poles	Connection system	Pack. pcs	Weight kg/100 pcs.	Item No.
FLD 110	86	122	2	Terminal	1	5.200	**5098646**

Surge protection for use in measurement and control technology

- Medium and fine protection
- Standard design for single core systems
- Two-stage protection circuit
- With installation-friendly, screwless connection terminals
- In space-saving 17.5 mm grid
- With inductive decoupling in the longitudinal branch

Application: Universal use on any 35 mm DIN profile rail in every commercially available distributor housing.

Dimensions



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Always indicate the item number when ordering.

Spark gap for EX areas: EX ISG

For the bridging of insulating flanges and insulation pieces, such as for pipe sections with cathodic protection (CCP).

- Tested with 100 kA Ilmp IEC/DIN-EN 62561-3
- ATEX / IECEx certified
- Compliant to AFK recommendation no. 5 (DVGW worksheet GW 24)
- Wear-free graphite electrodes
- Tested connection accessories

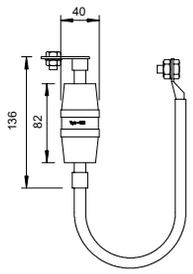


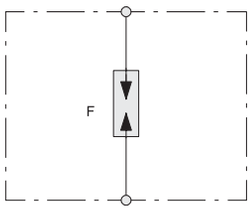
Always indicate the item number when ordering.

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Explosion-proof, Parex closed spark gap







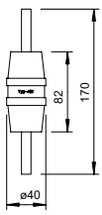
Type	Connection cable length m	Dimension mm	Pack. pcs	Weight kg/100 pcs.	Item No.
480 350	0.35	350	1	53.000	**5240069**

- Ex certificate to ATEX
- Labelling to EN 60079-0/-1: II 2G Ex d IIC T6 Gb
- Ex certificate to IECEx and DNV
- Labelling to EN 60079-0/-1: Ex d IIC T6 Gb
- Lightning current carrying capacity class H (100 kA) to VDE 0185-561-3 (IEC 62561-3)
- Incl. connecting cable 25 mm² Cu, highly flexible, with cable shoe, screw (M 10), nut and lock washer

Application: In potentially explosive areas, indirect bridging of insulating flanges and insulating glands, e.g. in cathodic, corrosion-protected (KKS) systems

Closed spark gap with lightning current carrying capability





Type	Impulse current (10/350) kA	Nominal discharge current (8/20) kA	Protection level kV	Contact voltage kV	Temperature range °C	Pack. pcs	Weight kg/100 pcs.	Item No.
481	50	100	< 5,0	2.5	-20 - +50	1	26.500	**5240085**

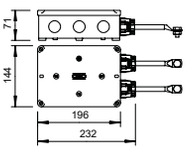
Closed, lightning current carrying spark gap for separation of electrically conductive plant components.

- Connection bolts; Ø 10 mm; stainless steel.
- Pulsed current 50 kA (10/350)
- BET

Tested application: Installation of electrical isolations for external lightning protection and earthing systems, e.g. two earthing systems on account of mutual influence or corrosion (corrosion current prevention).

Spark gap / surge voltage protection for coupling earthing systems





Type	Rated power frequency withstand voltage V	Rated DC withstand voltage V	Impulse current (10/350) kA	Nominal discharge current (8/20) kA	Pack. pcs	Weight kg/100 pcs.	Item No.
FS-V20	280	280	100	100	1	170.000	**5099803**

The FS-V20 device is a spark gap with parallel-connected surge arrestor (protection level <1.5 kV). It is used to couple different earthing systems.
It is connected directly to the appropriate equipotential busbar.
Cable mounted with M10 cable shoe and bolt M10x25 (DIN 933) and nut M10 (DIN 934).

Application: Coupling earthing systems in data technology sector (functional and operational earthing)

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LSC I+II lightning strike and surge counter

Lightning strike and surge counter for the recording of lightning and impulse currents with date and time



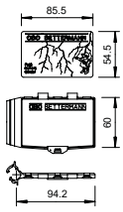
- **IP65 - suitable for outdoor areas**
- **Tested to EN/IEC 62561-6**
- **Lightning strike and surge counter can count up to 999 lightning occurrences noting date and time**
- **Exchangeable lithium battery with a life-span of up to 5 years**
- **Metering range 1 to 100 kA**

The LSC I+II lightning strike and surge counter records lightning and impulse currents (10/350, 8/20) and saves the result, including date and time, securely. In this way it's continuously checked if lightning has struck the lightning protection system or if surges in the system have occurred. When a lightning strike or surge incident has occurred, the complete lightning protection system must be serviced according to VDE 0185-305 (IEC 62305).

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Magnetic card and holder MK-B





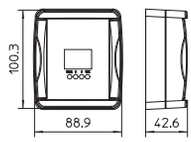
Type	Pack. PU	Weight kg/100 PUs	Item No.
MK-B	1	31.000	**5091322**

PCS magnetic card to record pulse/lightning currents including holder

- Holder can be leaded
- For mounting on round conductor Rd 8-10
- Simple holder mounting through clamping
- 1 PU = 10 units

Lightning strike counter





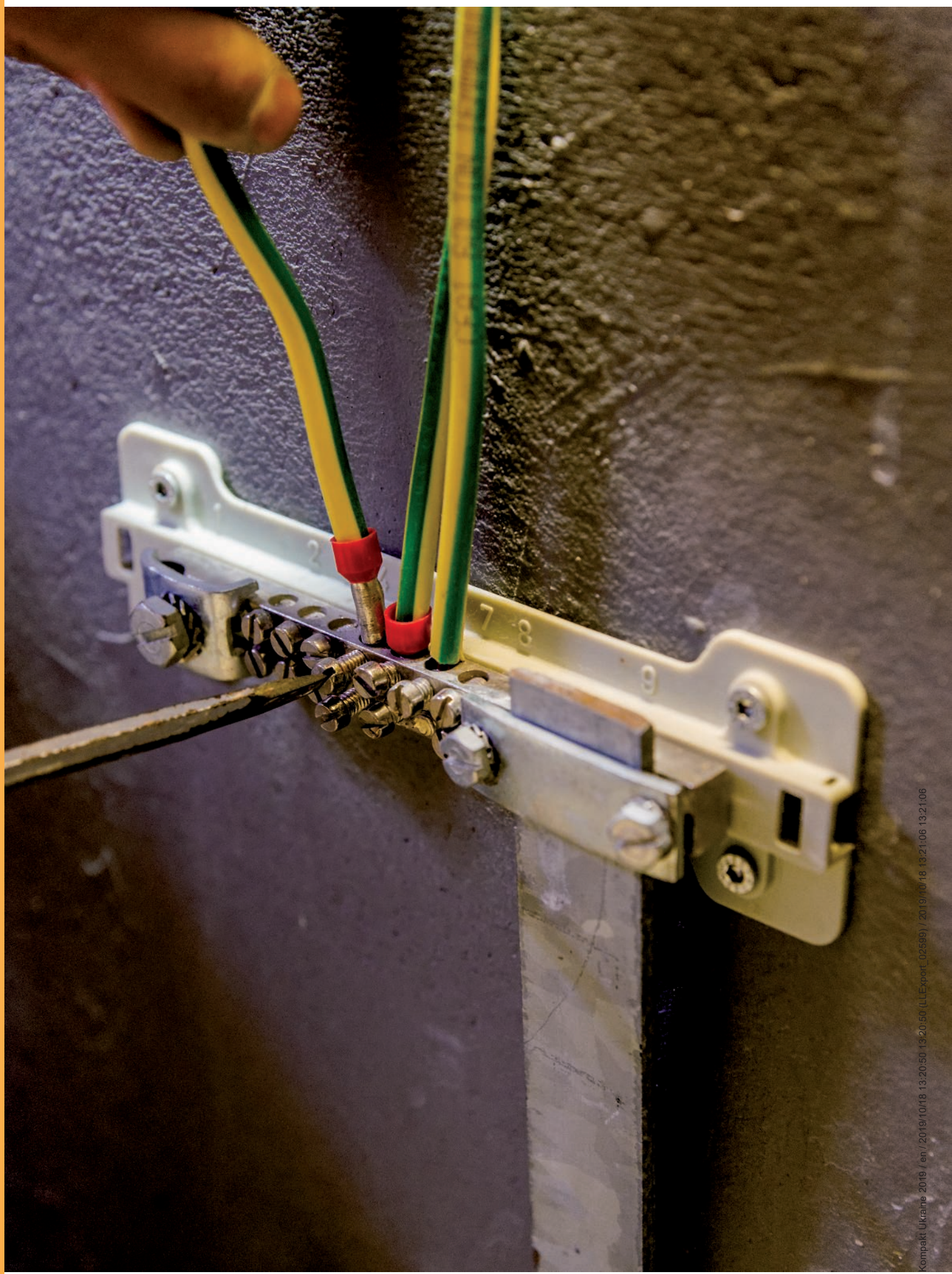
Type	Measuring range	Pack. pcs	Weight kg/100 pcs.	Item No.
LSC I+II	1 kA - 100 kA	1	32.500	**5091722**

Plastic

The LSC I+II lightning current meter measures and permanently saves pulse currents, together with the date and time. This ensures constant monitoring in order to notice if any lightning has struck the lightning protection system. Should this be the case, then the lightning protection system must be maintained according to VDE 0185-305 (IEC 62305).

- Saving and display of time and date
- Usable both inside and outside due to its protection class of IP65
- Cable clip for round conductor or flat conductor
- Direct mounting on the conductor or the PE conductor of the surge protection device
- Long lifespan of the internal lithium batteries
- LCD display
- Internal battery
- Tested according to VDE 0185-561-6 (IEC 62561-6)

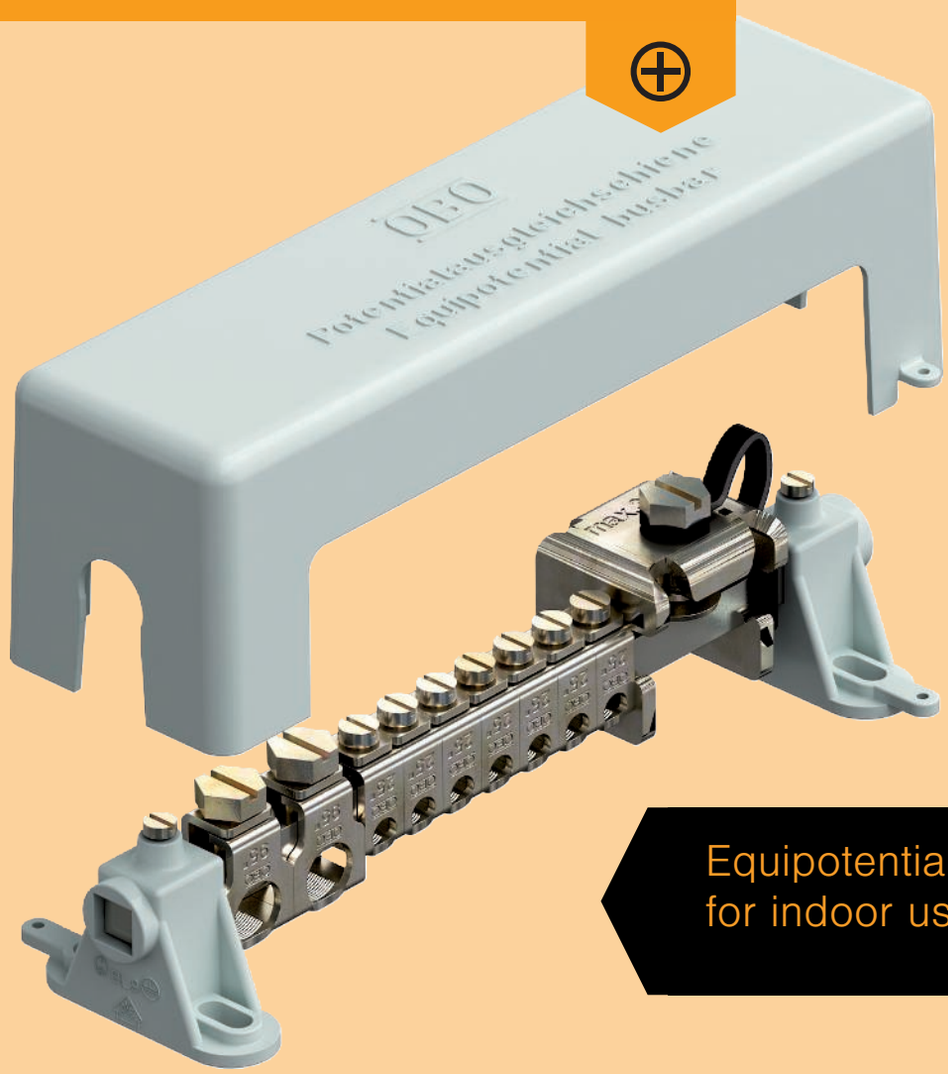
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Equipotential busbars for indoor use

- Simple installation
- Modular series terminal system
- Wide range of uses



Equipotential bonding for indoor use

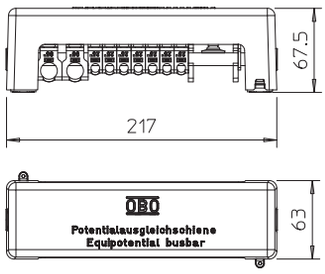
The equipotential busbars for interior areas are available as a modular, VDE-tested series terminal system 1801 or as a ready-for-installation equipotential busbar 1809 with plastic or metal base. The OBO Green 1809 is a solution made from renewable resources. The simple versions of the 1809 and 1804 are available as both surface-mounted and flush-mounted versions. The equipotential busbars are used for installation the protection and functional equipotential bonding according to DIN VDE 0100-410/540 and the lightning equipotential bonding according to VDE 0185-305 (IEC 60364-4-41,-5-54).

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Equipotential busbar rail for indoors, VDE-tested



Dimensions



Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
1801 VDE	Grey	1	55.000	**5015650**

CuZn Brass

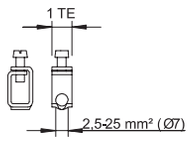
Equipotential busbar for equipotential bonding to DIN VDE 0100-410/-540 as well as lightning protection equipotential bonding to DIN VDE 0185-305

- According to VDE 0618, Part 1
- With 10 x 10 mm clamping rail made of nickel-plated brass
- With contact-secure series terminals made of electrogalvanised steel
- Cover and rail stands made of grey polystyrene
- Sealable/labellable cover
- Lightning current carrying capacity 100 kA (10/350)
- Tension clamp with screw lock against self-loosening (e.g. required in industry)

Connection options:
- 7 single or multi-wire cables 2.5–25 mm² or fine-wire cables to 16 mm² (max. Ø 7 mm)
- 2 single or multi-wire cable 25–95 mm² or fine-wire cables to 70 mm² (max. Ø 13.5 mm)
- 1 flat conductor 30 x 3.5 mm

Round conductor terminal to 25 mm² for 1801 VDE





Type	Connection option	Pack. pcs	Weight kg/100 pcs.	Item No.
1801 RK25	2.5–25 mm²	10	2.080	**5015758**

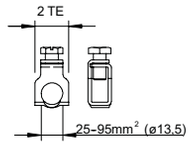
St Steel

G Electrogalvanised

- For single or multi-wire cables 2.5–25 mm²
- For fine-wire cables to 16 mm² (max. Ø 7 mm)
- 1 division unit
- Lightning current carrying capacity 100 kA (10/350)
- Electrogalvanised steel
- Tension clamp with screw lock against self-loosening (e.g. required in industry and in explosion-protected areas)

Round conductor terminal from 25 mm² for 1801 VDE





Type	Connection option	Pack. pcs	Weight kg/100 pcs.	Item No.
1801 RK95	25–95 mm²	10	4.700	**5015766**

St Steel

G Electrogalvanised

- For single or multi-wire cables 25–95 mm²
- For fine-wire cables to 70 mm² (max. Ø 13.5 mm)
- 2 division units
- Lightning current carrying capacity 100 kA (10/350)
- Electrogalvanised steel
- Tension clamp with screw lock against self-loosening (e.g. required in industry and in explosion-protected areas)

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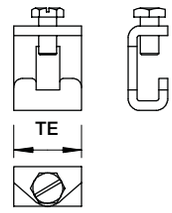
Always indicate the item number when ordering.

Flat conductor terminal from FL 30 for 1801 VDE

Type	Connection option	Pack. pcs	Weight kg/100 pcs.	Item No.
1801 RK40	FL 40 x 5	10	7.300	**5015774**

St Steel

G Electrogalvanised





- For flat conductors from FL 30
- 2 terminals always required for each flat conductor connection
- Lightning current carrying capacity 100 kA (10/350)
- Electrogalvanised steel

Contact strip for 1801 VDE

Type	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
1801 KL1	212	1	18.000	**5015723**
1801 KL2	430	1	36.000	**5015804**
1801 KL3	645	1	54.000	**5015812**

CuZn Brass



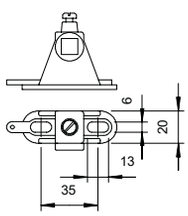


- 10 x 10 mm made of nickel-plated brass
- 1801 KL1: 14 subunits
- 1801 KL2: 28 subunits
- 1801 KL3: 42 subunits

Busbar stands for 1801 VDE

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
1801 SCH	Grey	10	1.490	**5015715**

PS Polystyrene



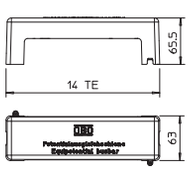


- 2 rail stands required per 14 units
- With 6 x 13 mm slot

Cover hood for 1801 VDE

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
1801 AH	Grey	1	6.450	**5015707**

PS Polystyrene



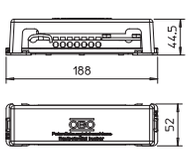


- 1 covering hood required per 14 division units
- Fastening to rail stands 1801/Sch
- Sealable

Equipotential busbar with plastic base plate

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
1809	Grey	1	23.000	**5015073**

CuZn Brass





Equipotential busbar for equipotential bonding according to DIN VDE 0100-410/-540 and lightning protection equipotential bonding according to DIN VDE 0185-305

- Base plate and covering made of polystyrene, grey
- Sealable / labellable cover
- Contact strip made of nickel-plated brass
- Screws and crossbar made of electrogalvanised steel
- Capable of carrying lightning current 50 kA (10/350)

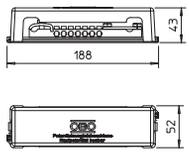
Connection options:
- 7 x single or multi-core cables to 25 mm² or fine-core cables to 16 mm²
- 1 x round conductor Rd 8-10
- 1 x flat strip to FL30 or round conductor Rd 8-10

Always indicate the item number when ordering.

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Equipotential busbar with metal base plate





Type	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
1809 M	H/100	1	28.100	**5015081**

CuZn Brass

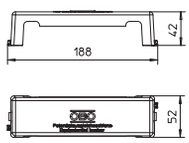
Equipotential busbar with metal foot for equipotential bonding according to DIN VDE 0100-410/-540 and lightning protection equipotential bonding according to DIN VDE 0185-305

- Cover hood from polystyrene, grey
- Sealable / labellable cover
- Base plate made of strip-galvanised steel
- Contact strip made of nickel-plated brass
- Screws and crossbar made of electrogalvanised steel
- Capable of carrying lightning current 50 kA (10/350)

Connection options:
- 7 x single or multi-core cables to 25 mm² or fine-core cables to 16 mm²
- 1 x round conductor Rd 8-10
- 1 x flat strip to FL30 or round conductor Rd 8-10

Cover hood for 1809





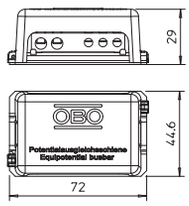
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
1809 30 AH	Grey	50	3.700	**5015200**

PS Polystyrene

- Replacement cover hood for equipotential busbar, type 1809

Equipotential busbar for small systems





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
1809 BG	Grey	1	9.000	**5015502**

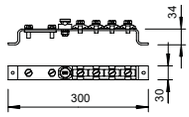
CuZn Brass

- Cover made of polystyrene, grey
- Sealable/labellable
- Base plate made of strip galvanised steel
- Contact strip and screws made of nickel-plated brass

Connection options:
- 3 x multi-core cables to 6 mm²
- 2 x multi-core cables to 16 mm²

Equipotential busbar, simple version





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
1808	1	67.000	**5015014**

CuZn Brass

- Clamp and crossbar, electrogalvanised steel
- Clamping element and contact strip, brass, screws, hot dipped galvanised steel

Connection options:
- 8 x cables to 25 mm²
- 1 x round conductor Rd 8-10
- 1 x flat conductor to FL 40

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Always indicate the item number when ordering.

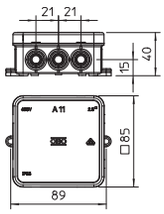
Equipotential busbar for surface mounting with 1804

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
1804 AP	10	8.077	**5015557**

PE Polyethylene

A 10/BP: Equipotential busbar for bathroom in housing

Connection options:
- 6x conductors 1.5-10 mm²
- 1x conductor 6-16 mm²
- Uncut
- With mounted potential equalisation rail 1804 in wet-room branch box A10



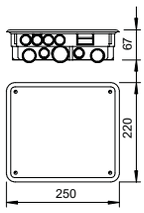


Equipotential busbar for flush-mounting with 1809

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
1809 UP	1	74.500	**5015065**

CuZn Brass

Connection options:
- 7 conductors to 25 mm²
- 1 round conductor Rd 8-10
- 1 flat conductor to FL30 or round conductor Rd 8-10
- With mounted potential equalisation rail 1809 (without covering hood)
- Pre-marked boxes for inserting required conductors and cover





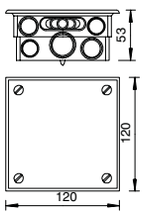
Equipotential busbar for flush-mounting with 1804

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
1804 UP	5	20.700	**5015545**

CuZn Brass

A 10/BP: Equipotential busbars for bathroom in housing

Connection options:
- 6x conductors 1.5-10 mm²
- 1x conductor 6-16 mm²
- Uncut
- With mounted potential equalisation rail 1804 in wet-room branch box A10





Equipotential busbar for outside installation

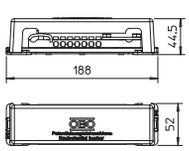
Type	Colour	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
1809 A	Black	N/50	1	23.000	**5015111**

A2 Stainless steel, grade 304

Equipotential busbar for equipotential bonding according to DIN VDE 0100-410/-540 and lightning protection equipotential bonding according to DIN VDE 0185-305

- Cover hood and base plate made of polystyrene
- Colour: Black, UV-resistant
- Screws and crossbar made of VA
- Capable of carrying lightning current 50 kA (10/350)

Connection options:
- 7 x single or multi-core cables to 25 mm² or fine-core cables to 16 mm²
- 1 x round conductor Rd 8-10
- 1 x flat strip to FL30 or round conductor Rd 8-10





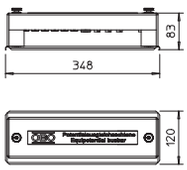
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Always indicate the item number when ordering.

Equipotential bonding systems for outdoor use

Equipotential busbar, solid version





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
1810	1	173.000	**5015057**

St Steel

F Hot-dip galvanised

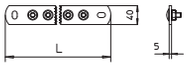
- Base plate and screw-on cover made of strip-galvanised steel
- Sealable / labellable cover
- Contact strip made of strip-galvanised steel
- Screws and crossbar made of steel, hot-dip galvanised or electrogalvanised

Connection options:
- 6 cables 6-16 mm²
- 1 round conductor Rd 8-10
- 1 flat conductor to FL 40
- 2 cable shoe M8

Equipotential bonding for Ex areas

Equipotential busbar BigBar for industrial application





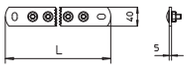
Type	Number of connections	Width mm	Length mm	Height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
1802 5 VA	5	40	246	5	1	90.000	**5015854**
1802 10 VA	10	40	408.5	5	1	190.000	**5015866**

A2 Stainless steel, grade 304

- Main potential equalisation to VDE 0100 Part 410 and Part 540, and also lightning protection potential equalisation to VDE 0185-305 (IEC 62305)
- Insulation feet
- Quick, simple assembly of connection conductors to the contact rail using lock bolts M10
- The high-grade stainless steel versions (V2A) are suitable for outdoor use
- Complete with anchors and bolts for wall mounting
- With lock washer (DIN 137) for bolt locking against loosening
(e.g. required in industry and explosion-protected areas)

Equipotential busbar BigBar for industrial application





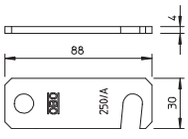
Type	Number of connections	Width mm	Length mm	Height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
1802 5 CU	5	40	246	5	1	80.000	**5015830**
1802 10 CU	10	40	408.5	5	1	180.000	**5015842**
1802 14 CU	14	40	538.5	5	1	171.000	**5015847**
1802 20 CU	20	40	733.5	5	1	225.450	**5015849**

Cu Copper

- Main potential equalisation to VDE 0100 Part 410 and Part 540, and also lightning protection potential equalisation to VDE 0185-305 (IEC 62305)
- Insulation feet
- Quick, simple assembly of connection conductors to the contact rail using lock bolts M10
- The high-grade stainless steel versions (V2A) are suitable for outdoor use
- Complete with anchors and bolts for wall mounting
- With lock washer (DIN 137) for bolt locking against loosening
(e.g. required in industry and explosion-protected areas)

Crossbar for equipotential busbar





Type	Connection option	Pack. pcs	Weight kg/100 pcs.	Item No.
1802 KL	FL20-FL40	1	7.000	**5015890**

A2 Stainless steel, grade 304

- To clamp the flat conductors 30 x 3.5 and 40 x 5
- Suitable for equipotential busbar BigBar, type 1802

Always indicate the item number when ordering.

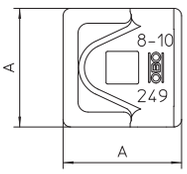
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Connection terminal, equipotential bonding, Rd 8–10 mm

Type	Fit mm	Dimension A mm	Pack. pcs	Weight kg/100 pcs.	Item No.
249 8-10 CU-OT	Rd 8-10	40	100	3.580	**5311530**

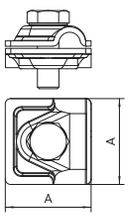
Cu Copper

- For round conductor fastening RD 8-10
- Suitable for M10 bolts





Vario quick connector



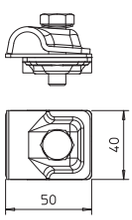


Type	Fit mm	Dimension A mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
249 8-10 VA	Rd 8-10	40	H/100	10	10.700	**5311551**

A2 Stainless steel, grade 304

- For T, cross and parallel connectors
- Quick installation using hexagonal bolt M10 x 30, high-grade stainless steel
- Conforms to the requirements according to DIN VDE 0185-305 (IEC 62305)

Vario quick connector Rd 8-10x16





Type	Fit mm	Dimension A mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
249 8-10X16 VA	8-10X16	40	H/100	10	16.300	**5311590**

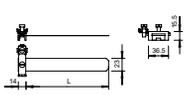
A2 Stainless steel, grade 304

- For T, intersection and parallel connections with adapter plates
- Quick mounting using an M10 x 30 bolt, made from rustproof stainless steel
- With sprung washer to DIN 137
- Corresponds to the requirements of VDE 0185-305 (IEC 62305)

Earthing pipe clamp VA

Type	for pipe Ø inch	Dimension L mm	for pipe Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
927 1	3/8-11/2	200	17.2 - 48	10	7.780	**5057515**
927 2	3/8-4	395	17.2 - 114	10	8.550	**5057523**
927 4	3/8-6	555	17.2 - 185	10	8.900	**5057558**

A2 Stainless steel, grade 304





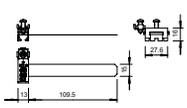
- For pipes of Ø 3/8 - 6"
- Connection options: Max. 2 cables 2.5-25 mm²
- Round conductor Rd 8
- Clip element, bolts and tightening strap made of rustproof stainless steel (VA)

Earthing pipe clamp, nickel-plated

Type	Dimension L mm	for pipe Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
927 0	109.5	8 - 22	10	5.000	**5057507**

CuZn Brass

N Nickel-plated





- For pipe Ø 8-22 mm
- Connection options: max. 2 conductors 2.5-10 mm²
- Clip elements and screws from nickel-plated brass
- Tightening strip from high-grade stainless steel (V2A)

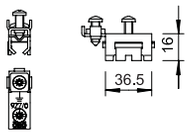
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Always indicate the item number when ordering.

Earthing pipe clamps

Clamp lock for earthing pipe clamp





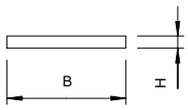
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
927 SCH-K-VA	20	4.700	**5057930**

A2 Stainless steel, grade 304

- Connection option: max. 2 conductors 2.5-25 mm²
- Possible to connect round conductor Rd 8

Installation strip for earthing pipe clamp





Type	Dimension B mm	Dimension H mm	Pack. m	Weight kg/100 m	Item No.
927 BAND-VA	23	0.3	40	6.000	**5057922**

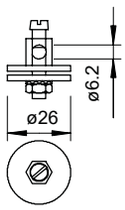
A2 Stainless steel, grade 304

- 40 m roll
- Ready for transport and installation in unroll pack

Earthing clamps

Earthing terminal for fastening on earthing strap





CE

Type	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
928	240	10	5.700	**5040507**

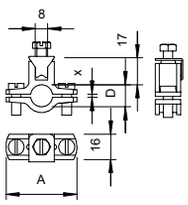
CuZn Brass

N Nickel-plated

- For use in bathtubs or shower tubs etc.
- Connection option: conductors to 16 mm²
- Clamping element with threaded connection M6, 1 hexagonal nut M6, 1 serrated dimension washer and 1 cylinder screw M5 x 8
- Clamping element, nut and screws from copper-plated brass
- Serrated washer from stainless steel; 2 washers from galvanised steel

Earthing clamp, type 950





Type	Dimension A mm	Clamping range D mm	Dim. X mm	for pipe Ø inch	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
950 Z 1/4	45	12 - 14	2	1/4	300	10	5.830	**5050030**
950 Z 3/8	50	15.5 - 17.5	2	3/8	180	10	6.020	**5050057**
950 Z 1/2	54	20 - 22.5	2.5	1/2	120	10	7.000	**5050073**
950 Z 3/4	61	25 - 28	3	3/4	120	10	7.620	**5050081**
950 Z 1	66	31.5 - 34.5	3	1	150	10	8.410	**5050111**
950 Z 1 1/4	78	40.5 - 43.5	3	1 1/4	160	10	10.030	**5050138**
950 Z 1 1/2	84	46.5 - 49.5	3	1 1/2	150	10	10.410	**5050154**
950 Z 1 3/4	88	51 - 54	3	1 3/4	100	10	10.251	**5050170**
950 Z 2	96	58.5 - 61.5	3	2	80	10	12.150	**5050197**

Zn Die-cast zinc

G Electrogalvanised

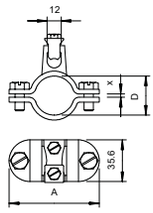
- For pipes Ø 1/4"-2"
- Connection options: conductors to 35 mm² or round conductors to Ø 6 mm
- With captive pressure strip, 2 cylinder screws M6 x 16 and 1 hex-head screw M6 x 16 from galvanised steel, top and bottom part of clip from die-cast zinc

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Always indicate the item number when ordering.

Earthing clamp, type 952

Type	Dimension A mm	Clamping range D mm	Dim. X mm	for pipe Ø inch	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
952 Z 1 1/4	87	39.5 - 42.5	3	1 1/4	50	5	32.200	**5052130**





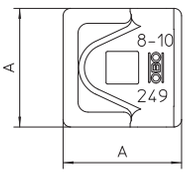
St Steel

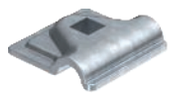
FT Hot-dip galvanised

- For pipes 1/2-2" or Ø 11.5-60 mm
- Connection options: conductors 16-70 mm² and/or round conductors to Rd 10 with captive pressure strip from stainless steel
- With 2 hexagonal bolts M6 x 16 and 2 hexagonal bolts M6 x 20 from hot-dip galvanised steel
- Top section of clip with cast contact point from die-cast zinc, bottom section of clip from hot-dip galvanised steel

Connection terminal, equipotential bonding, Rd 8–10 mm

Type	Fit mm	Dimension A mm	Pack. pcs	Weight kg/100 pcs.	Item No.
249 8-10 ST-OT	Rd 8-10	40	100	3.240	**5311503**





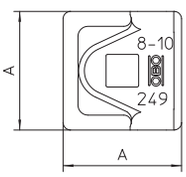
St Steel

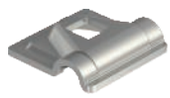
FT Hot-dip galvanised

- For round conductor fastening RD 8-10
- Suitable for M10 bolts

Connection terminal, equipotential bonding, Rd 8–10 mm

Type	Fit mm	Dimension A mm	Pack. pcs	Weight kg/100 pcs.	Item No.
249 8-10 VA-OT	Rd 8-10	40	100	3.130	**5311554**



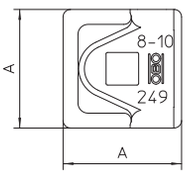


A2 Stainless steel, grade 304

- For round conductor Rd 8-10
- Suitable for M10 bolts

Connection terminal, equipotential bonding, Rd 8–10 mm

Type	Fit mm	Dimension A mm	Pack. pcs	Weight kg/100 pcs.	Item No.
249 8-10 CU-OT	Rd 8-10	40	100	3.580	**5311530**



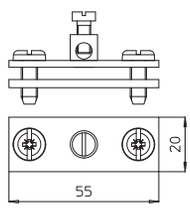


Cu Copper

- For round conductor fastening RD 8-10
- Suitable for M10 bolts

Earthing terminal for cables and flat conductors

Type	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
939	150	25	5.932	**5043107**





St Steel

G Electrogalvanised

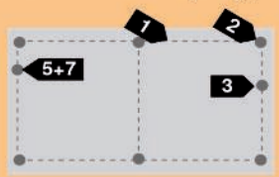
- For cables to 16 mm² and flat conductors
- Fit: cable to 16 mm² x max. FL 30
- With riveted brass connection terminal and one cylinder bolt, M5 x 12, with two cylinder bolts, M6 x 16

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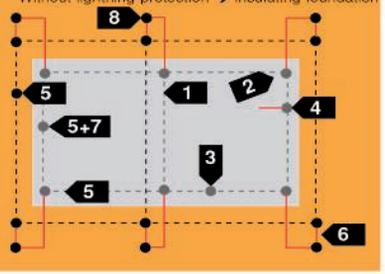
Always indicate the item number when ordering.

OBO selection aid for foundation and ring earthers according to IEC/EN 62305 and DIN 18014

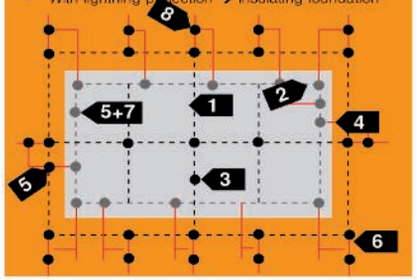
Foundation earther – without lightning protection



Functional equipotential bonding conductor and ring earther
- Without lightning protection → insulating foundation



Functional equipotential bonding conductor and ring earther
- With lightning protection → insulating foundation



Earthing material, for use in concrete:

- Surrounded by min. 5 cm of concrete on all sides; ≤ 2 m connect to reinforcement
- Grid width max. 20 x 20 m; with EMC protection acc. to IEC/EN 62305: 5 x 5 m
- Unreinforced foundation: Material no. 1.4571/1.4404, V4A

	Type	Pack	Item no.	Description
1	5052	50m	5019347	Strip steel 30 x 3.5 mm FT
	1811 L	25 units	5014026	Spacer 400 mm FT
2	250 A-FT	25 units	5313015	Connector, strip steel with reinforcement FT
3	1814 FT	25 units	5014468	Terminal on reinforcement to Ø 14 mm
	1814 FT D37	25 units	5014469	For reinforcements Ø 16–37 mm
4	205 B-M10 VA	25 units	5420008	Earthing fixed point M10
	DW RD 10	10 units	2360041	Sealing sleeve for round cables 10 mm
	5011 VA M10	50 units	5334934	End piece for earthing fixed point M10
8	ProtectionBall	25 units	5018014	Protective cap for terminal lugs

Earthing and connection material, for use in the earth, e.g. cleanliness layer

- Material no. 1.4571/ 1.4404, V4A; clamps in earth with corrosion protection strip
- Min. 0.8 m deep, routing outside drainage shaft, frost apron (moist area)
- Grid: Without lightning protection: 20 x 20 m, connection between earth and concrete: Every 20 m, with lightning protection: 10 x 10 m, connection between earth and concrete: Every arrestor

	Type	Pack	Item no.	Description
5	RD 10 V4A	50 m	5021642	Round cable Ø 10 mm V4A
	5052 V4A 30 x 3,5	25 m	5018730	Strip steel 30 x 3.5 mm V4A
6	250 V4A	25 units	5312925	Terminal for round cable and strip steel
	356	10 m	2360101	Corrosion protection strip, width: 100 mm

Material for equipotential bonding

	Type	Pack	Item no.	Description
7	1801 VDE	1 unit	5015650	Equipotential busbar, industrial
	1809	1 unit	5015073	Equipotential busbar, private

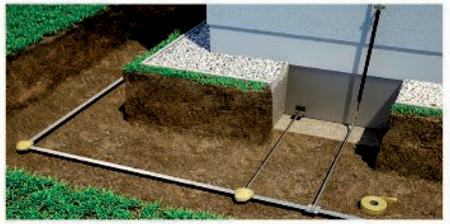
Foundation earther:



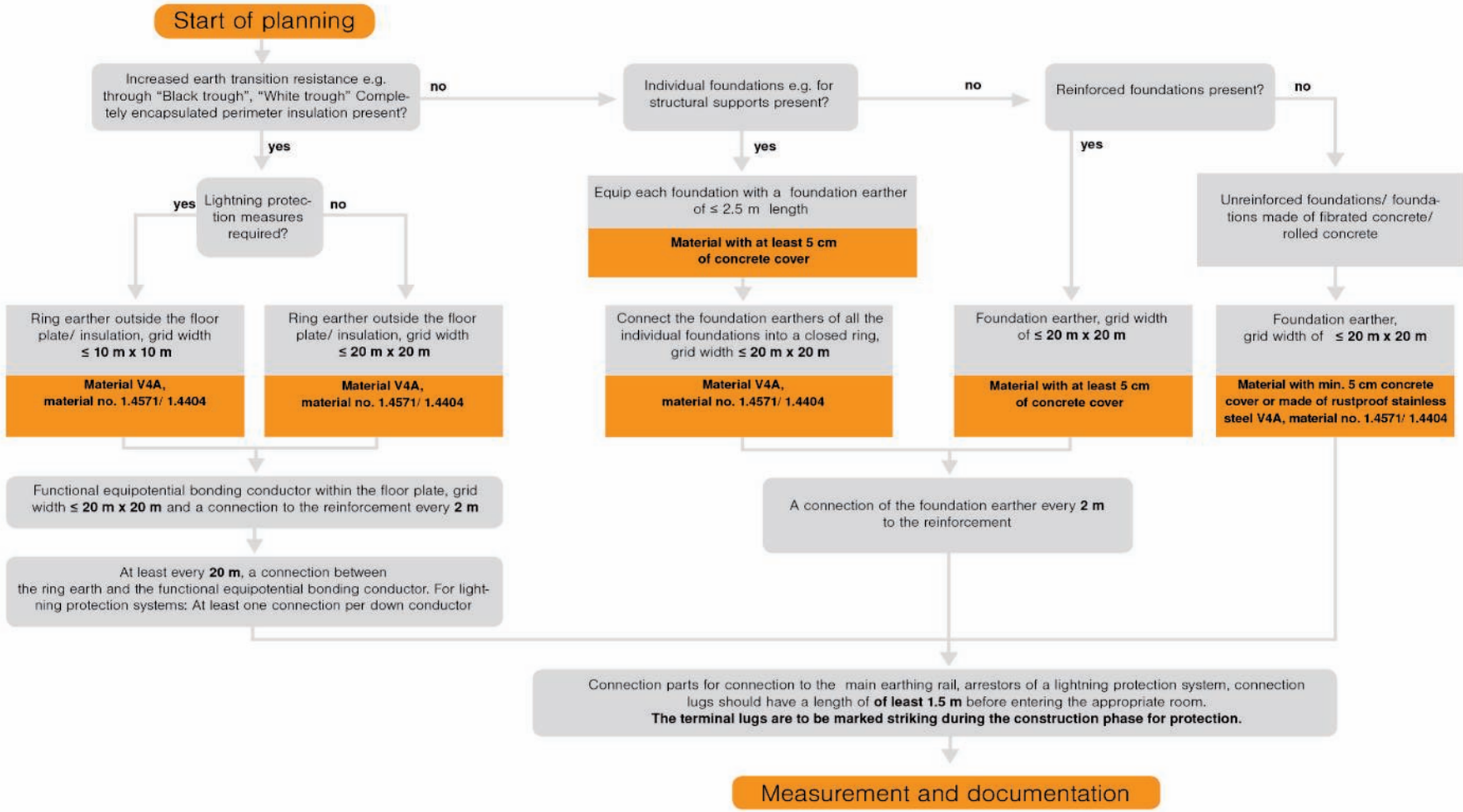
Insulation foundation when:

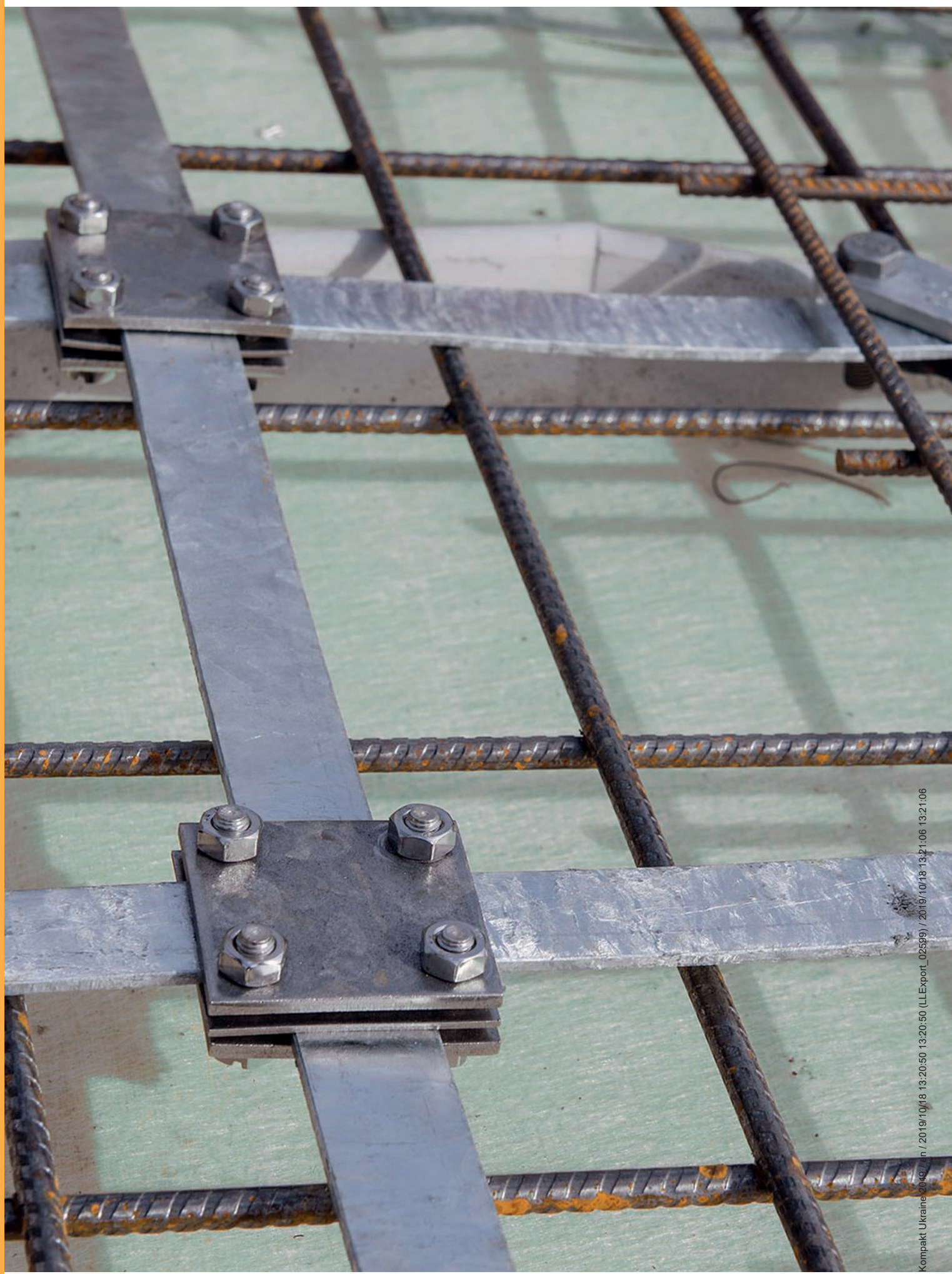
- WU concrete (white trough) for WZ<0.6, from C30/B35, (from C25/B30) → already possible)
- Black/brown trough
- Completely enclosed foundation with perimeter insulation or dimpled membranes
- Additionally attached, capillary breaking, poorly electrically conductive earth strata, e.g. made of recycled materials

Ring earther:



Always indicate the item number when ordering.

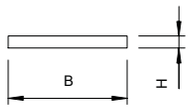

Start of planning
Increased earth transition resistance e.g. through "Black trough", "White trough" Completely encapsulated perimeter insulation present?
no
yes
Individual foundations e.g. for structural supports present?
no
yes
Reinforced foundations present?
no
yes
Lightning protection measures required?
yes
no
Equip each foundation with a foundation earther of ≤ 2.5 m length
Material with at least 5 cm of concrete cover
Unreinforced foundations/ foundations made of fibrated concrete/ rolled concrete
Ring earther outside the floor plate/ insulation, grid width ≤ 10 m x 10 m
Material V4A, material no. 1.4571/ 1.4404
Ring earther outside the floor plate/ insulation, grid width ≤ 20 m x 20 m
Material V4A, material no. 1.4571/ 1.4404
Connect the foundation earthers of all the individual foundations into a closed ring, grid width ≤ 20 m x 20 m
Material V4A, material no. 1.4571/ 1.4404
Foundation earther, grid width of ≤ 20 m x 20 m
Material with at least 5 cm of concrete cover
Foundation earther, grid width of ≤ 20 m x 20 m
Material with min. 5 cm concrete cover or made of rustproof stainless steel V4A, material no. 1.4571/ 1.4404
Functional equipotential bonding conductor within the floor plate, grid width ≤ 20 m x 20 m and a connection to the reinforcement every 2 m
A connection of the foundation earther every 2 m to the reinforcement
At least every 20 m, a connection between the ring earth and the functional equipotential bonding conductor. For lightning protection systems: At least one connection per down conductor
Connection parts for connection to the main earthing rail, arrestors of a lightning protection system, connection lugs should have a length of of least 1.5 m before entering the appropriate room.
The terminal lugs are to be marked striking during the construction phase for protection.
Measurement and documentation



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Galvanised steel flat conductor for earth

Type	Dimension W x H mm	Cross-section mm²	Normal ring ca. m	Normal ring ca. kg	Pack. m	Weight kg/100 m	Item No.
5052 DIN 30X3.5	30 x 3,5	105	30	25	30	84.000	**5019345**
5052 DIN 40X4	40 x 4	160	40	51	40	128.000	**5019355**





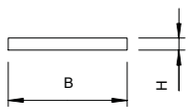
St Steel

FT Hot-dip galvanised

- According to DIN EN 62561-2 (VDE 0185-561-2)
- Meets the requirements of VDE 0185-305 (IEC 62305)
- Zinc coating: 500 g/m² (approx. 70 µm)
- For lightning protection, earthing systems and ring equipotential bonding

Stainless steel flat conductor

Type	Dimension W x H mm	Cross-section mm²	Normal ring ca. m	Normal ring ca. kg	Pack. m	Weight kg/100 m	Item No.
5052 V2A 30X3.5	30 x 3,5	105	50	42	50	82.500	**5018501**



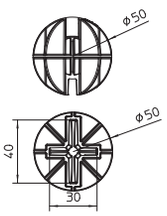


A2 Stainless steel, grade 304

- According to DIN EN 62561-2 (VDE 0185-561-2)
- Corresponds to the requirements of VDE 0185-305 (IEC 62305)
- According to the foundation earther standard DIN 18014, V4A is required in the earth
- For use in areas at risk of corrosion
- For lightning protection, earthing systems and ring equipotential bonding

Protective cap for connection lugs, reflective

Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
ProtectionBall	RD 8-10/ FL 25/ 30/ 40	25	2.050	**5018014**



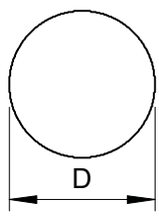


PE Polyethylene

- For snapping onto round conductors or flat conductors
- Noticeable, reflective label
- For accident protection during the construction phase

Round conductor, galvanised steel

Type	Nominal size Ø mm	Cross-section mm²	Normal ring ca. m	Normal ring ca. kg	Pack. m	Weight kg/100 m	Item No.
RD 8-FT	8	50	125	50	125	40.000	**5021081**
RD 10	10	78	80	50	80	52.500	**5021103**





St Steel

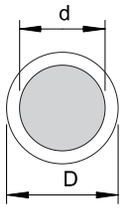
FT Hot-dip galvanised

- According to DIN EN 62561-2 (VDE 0185-561-2)
- Corresponds to the requirements of VDE 0185-305 (IEC 62305)
- RD 10 can also be used in the earth
- Zinc coating: 350 g/m² (approx. 50 µm)

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Round conductor, galvanised steel with PVC jacketing





Type	Colour	Dimension d mm	Dimension D mm	Cross-section mm²	Normal ring ca. m	Normal ring ca. kg	Pack. m	Weight kg/100 m	Item No.
RD 10-PVC	Black	10	13	78	75	50	75	67.000	**5021162**

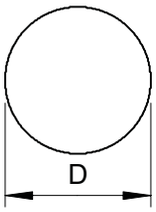
St Steel

FT Hot-dip galvanised

- Conforms to the requirements according to VDE V 0185-305, (IEC 62305)
- Zinc coating: 350 g/m² (approx. 50 µm)
- With PVC sheathing

Round conductor, aluminium





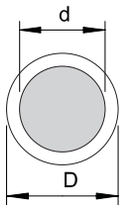
Type	Nominal size Ø mm	Cross-section mm²	Normal ring ca. m	Normal ring ca. kg	Pack. m	Weight kg/100 m	Item No.
RD 8-ALU	8	50	150	20	150	13.500	**5021286**
RD 8-ALU-T	8	50	150	20	150	13.500	**5021294**
RD 10-ALU	10	78	95	20	95	21.000	**5021308**

Alu Aluminium

- According to DIN EN 62561-2 (VDE 0185-561-2)
- Corresponds to the requirements of VDE 0185-305 (IEC 62305)
- RD 8 ALU: Semi-hard (E-AlMgSi0.5 corresponds to DIN 48801)
- RD 8 ALU-T: Can be subjected to torsion (E-AlMgSi0.5 corresponds to DIN 48801)
- RD 10 ALU: Pure aluminium (E-Al corresponds to DIN 48801)
- AL and ALMgSi may not be routed directly on, in or under plaster, mortar or concrete, nor routed in the earth

Round conductor, aluminium, with PVC sheathing





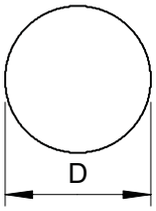
Type	Nominal size Ø mm	Cross-section mm²	Normal ring ca. m	Normal ring ca. kg	Pack. m	Weight kg/100 m	Item No.
RD 8-PVC	8/11	50	100	20	100	20.000	**5021332**

Alu Aluminium

- Meets the requirements of VDE 0185-305 (IEC 62305)
- With PVC jacketing (halogen-free)
- Suitable for routing on, in or under plasterwork, mortar or concrete

Round conductor, stainless steel A2





Type	Nominal size Ø mm	Cross-section mm²	Normal ring ca. m	Normal ring ca. kg	Pack. m	Weight kg/100 m	Item No.
RD 8-V2A	8	50	125	50	125	40.000	**5021235**
RD 10-V2A	10	78	50	32	50	63.000	**5021227**

A2 Stainless steel, grade 304

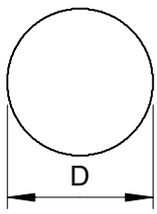
- According to DIN EN 62561-2 (VDE 0185-561-2)
- Corresponds to the requirements of VDE 0185-305 (IEC 62305)
- RD 10-V4A for applications in the earth
- According to the foundation earther standard DIN 18014, V4A is required in the earth

Always indicate the item number when ordering.

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Round conductor, copper

Type	Nominal size Ø mm	Cross-section mm²	Normal ring ca. m	Normal ring ca. kg	Pack. m	Weight kg/100 m	Item No.
RD 8-CU	8	50	100	45	100	45.000	**5021480**



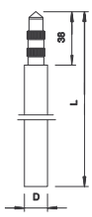


Cu Copper

- According to DIN EN 62561-2 (VDE 0185-561-2)
- Corresponds to the requirements of VDE 0185-305 (IEC 62305)

Earth rod for standard applications

Type	Length mm	Outer-Ø mm	Short-circuit current (50 HZ) (1 s;≤300 °C) kA	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
219 20 ST FT	1000	20	7.9	H/100	5	250.000	**5000742**
219 20 ST FT	1500	20	7.9	H/100	5	360.000	**5000750**





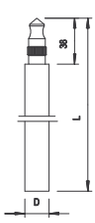
St Steel

FT Hot-dip galvanised

- High corrosion resistance
- Copper coating thickness: Min.250 µm
- With peg and bore for linking together
- Round pegs with two knurls
- Conforms to the requirements according to VDE 0185-305 (IEC 62305)
- Short-circuit current Ik (50 Hz), time 1 s, temp. max. 300 °C: 7.9 kA

BP earth rod

Type	Length mm	Outer-Ø mm	Short-circuit current (50 HZ) (1 s;≤300 °C) kA	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
219 20 BP FT	1500	20	7.9	H/100	5	360.000	**5000947**





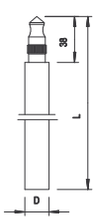
St Steel

FT Hot-dip galvanised

- "BP" system (Bundespost)
- Very good contacting properties with soft metal inlay in the bore hole
- With peg and bore for linking together
- FT version with zinc coating approx. 130 µm
- Conforms to the requirements according to VDE 0185-305 (IEC 62305)

BP earth rod

Type	Length mm	Outer-Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
219 20 BP V4A	1500	20	5	365.000	**5000866**





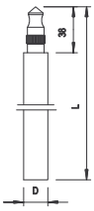
A4 Stainless steel, grade 316

- "BP" system (Bundespost)
- Very good contacting properties with soft metal inlay in the bore hole
- With peg and bore for linking together
- Conforms to the requirements according to VDE 0185-305 (IEC 62305)
- Short circuit current Ik (50 Hz), time 1 s, max. temp. 300 °C: 4.5 kA (219 20 BP V4A)

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BP earth rod with copper sheath





Type	Length mm	Outer-Ø mm	Short-circuit current (50 HZ) (1 s;≤300 °C) kA	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
219 20 BP CU	1500	20	7.9	H/100	5	365.400	**5000500**

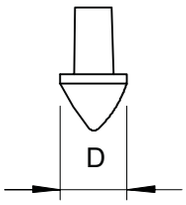
St Steel

Cu Copper-plated

- "BP" system (Bundespost)
- Made of steel with a copper jacket of min. 0.25 mm
- Very good contacting properties with soft metal inlay in the bore hole
- With peg and bore for linking together
- Tensile strength min. 600 N/mm²
- Conforms to the requirements according to VDE 0185-305 (IEC 62305)

Driving spike for ST and BP earth rod





Type	For earth rods Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
1819 20BP	20	5	3.800	**3041212**

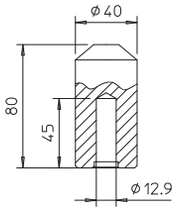
TG Cast iron

FT Hot-dip galvanised

- Suitable for ST and BP system

Impact head for earth rods ST, BP and OMEX





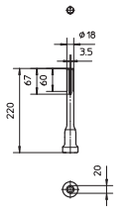
Type	Material symbol	For earth rods Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
1820 20	St	20	1	62.600	**3042200**

St Steel

- Suitable for ST, BP and OMEX systems
- Hardened
- DIN 48852, Form SP

Hammer insert, type 2536, for earth rods ST, BP and OMEX



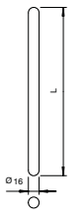


Type	For earth rods Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2536 20	20	1	55.000	**3044904**

St Steel

- Fits earth rod system ST, BP and OMEX
- For vibration hammers with SDS- Max/TEY- mounting
- Hardened

Air-termination/earth entry rod, rounded-off on both ends



Type	Length mm	Nominal size Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
101 A-CU	1500	16	10	272.100	**5400627**

Cu Copper

- Full material Ø 16 mm
- Both ends rounded

Always indicate the item number when ordering.

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Earth entry rod, tapered and partially insulated

Type	Length mm	Nominal size Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
204 KS-2000	2000	16/10	1	230.000	**5430011**
204 KS-2500	2500	16/10	1	310.000	**5430062**

St Steel

F Hot-dip galvanised

- 16 mm earth entry with 10 mm connection
- With mounted heat-shrinkable sleeve (corrosion protection)



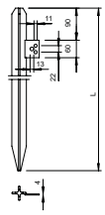
Profile earthing rod with connecting lug

Type	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
213 1500 DIN	1500	5	364.500	**5003016**

St Steel

FT Hot-dip galvanised

- Cross-profile 50 x 50 x 3 mm
- With connecting strap
- 1 through hole Ø 13 mm
- 2 through holes Ø 11 mm
- Round conductor fastening e.g. with type 5001 DIN-FT possible
- For the construction of earthing systems e.g. antenna or earthing of building site distribution boards





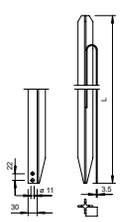
Profile earth rod connection with strip steel lug

Type	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
213 3000 M	3000	3	899.500	**5003318**

St Steel

FT Hot-dip galvanised

- With 2 m strip steel section FL 30 x 3.5
- With 2 through holes Ø 11 mm
- For the construction of earthing systems e.g. antenna or earthing of building site distribution boards





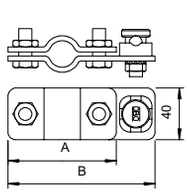
Connection clamp for earth rod to round conductors Rd 8–10

Type	For earth rods Ø mm	Dimension A mm	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2710 20	20	84	114	5	39.900	**5001218**

St Steel

FT Hot-dip galvanised

- ST, BP, OMEX and LightEarth system
- On round conductor Rd 8-10
- Incl. connector, type 5001 DIN

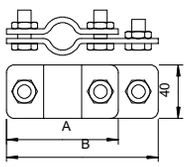




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Connection clamp for earth rod on flat conductor





Type	For earth rods Ø mm	Dimension A mm	Short-circuit current (50 HZ) (1 s;≤300 °C) kA	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2730 25 FT	25	89	8.5	119	5	38.800	**5001412**
2730 20 FT	20	84	7.9	114	5	35.900	**5001404**

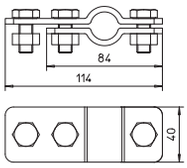
St Steel

FT Hot-dip galvanised

- ST, BP, OMEX and LightEarth systems
- On flat conductors
- Including hex-head screw for attaching flat conductors

Connection clamp for earth rod on flat conductor





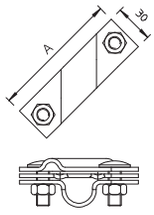
Type	For earth rods Ø mm	Dimension A mm	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2730 20 VA	20	84	114	5	35.900	**5001366**

A2 Stainless steel, grade 304

- ST, BP, OMEX and LightEarth systems
- On flat conductors
- Including hex-head screw for attaching flat conductors

Connection clamp for earth rod, universal





Type	Dimension A mm	For earth rods Ø mm	Fit mm	Short-circuit current (50 HZ) (1 s;≤300 °C) kA	Pack. pcs	Weight kg/100 pcs.	Item No.
2760 20 FT	101	20	Rd 8-10/FL40	—	5	32.400	**5001641**

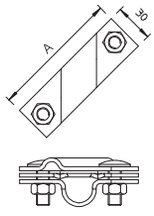
St Steel

FT Hot-dip galvanised

- Suitable for attaching round conductors Rd 8-10 or flat conductors to FL 40
- With separator plate
- Installed with 2 hexagonal bolts M10 x 30 and 2 hexagonal nuts M10

Connection clamp for earth rod, universal





Type	Dimension A mm	For earth rods Ø mm	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2760 20 VA	101	20	Rd 8-10/FL40	5	32.400	**5001617**

A2 Stainless steel, grade 304

- Meets the requirements of VDE 0185-305-3 (IEC/ EN 62305-3)
- Suitable for connecting round conductors Rd 8-10 or flat conductors to FL 40
- With adapter plate
- Mounted with 2 hexagonal bolts M10 x 30 and 2 hexagonal bolts M10

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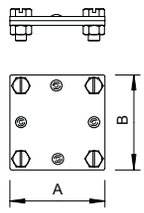
Always indicate the item number when ordering.

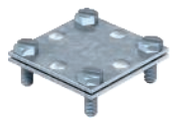
Cross-connector for flat conductor

Type	Fit mm	Dimension A mm	Dimension B mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
255 A-FL30 FT	max. FL30	52	52	H/100	20	11.500	**5314534**

St Steel

FT Hot-dip galvanised





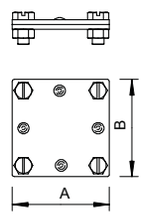
- Meets the requirements of VDE 0185-305-3 (IEC/ EN 62305-3)
- Fit: Max FL 30 x FL 30
- Without adapter plate
- Mounted with 4 hexagonal bolts M6 x 20 (F)

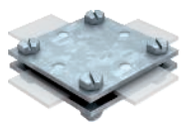
DIN cross-connector for flat conductor

Type	Fit mm	Dimension A mm	Dimension B mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
256 A-DIN 30 FT	max. FL30	60	60	H/100	10	27.800	**5314658**
256 A-DIN 40 FT	max. FL40	80	80	H/100	10	38.800	**5314666**

St Steel

FT Hot-dip galvanised



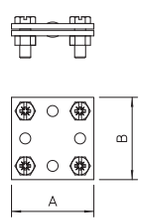


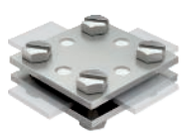
- Meets the requirements of VDE 0185-305-3 (IEC/ EN 62305-3)
- Fit: Max. FL 30 x FL 30 or max. FL 40 x FL 40
- Without adapter plate
- Mounted with 4 hexagonal bolts M8 x 25 and 4 hexagonal nuts M8 (F)

DIN cross-connector for flat conductor

Type	Fit mm	Dimension A mm	Dimension B mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
256 A-DIN 30 VA	max. FL30	60	60	H/100	10	27.800	**5314720**

A2 Stainless steel, grade 304





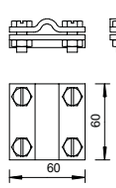
- Meets the requirements of VDE 0185-305-3 (IEC/ EN 62305-3)
- Fit: Max. FL 30 x FL 30
- Without adapter plate
- Mounted with 4 hexagonal bolts M8 x 25 and 4 hexagonal nuts M8

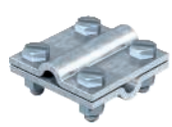
Cross-connector Rd 8–10 mm, wide version

Type	Fit mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
253 8X8	Rd 8-10	H/100	25	30.700	**5312604**

St Steel

FT Hot-dip galvanised





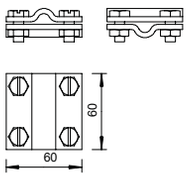
- Meets the requirements of VDE 0185-305-3 (IEC/ EN 62305-3)
- Fit: Rd 8-10 x Rd 8-10 / FL 30
- Mounted with 4 hexagonal bolts M8 x 25 and 4 hexagonal nuts M8 (F)

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Always indicate the item number when ordering.

Cross-connector round/round without intermediate plate



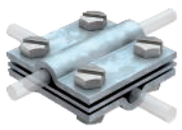


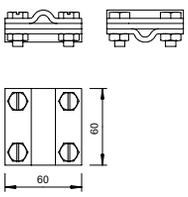
Type	Fit mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
253 8-10 V4A	Rd 8-10	H/100	25	23.650	**5312582**

A4 Stainless steel, 316Ti / 316L

- Meets the requirements of VDE 0185-305-3 (IEC/ EN 62305-3)
- Fit: Rd 8-10 x Rd 8-10 / FL 30
- Mounted with 4 hexagonal bolts M8 x 25 and 4 hexagonal nuts M8 (F)

Cross-connector with intermediate plate for Rd 8–10 mm, wide version





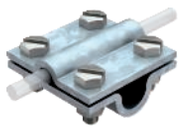
Type	Fit mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
252 8-10 FT	Rd 8-10	H/100	25	33.530	**5312310**

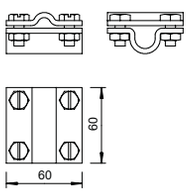
St Steel

FT Hot-dip galvanised

- Meets the requirements of VDE 0185-305-3 (IEC/ EN 62305-3)
- Fit: Rd 8-10 x Rd 8-10 / FL 30
- With adapter plate
- Mounted with 4 hexagonal bolts M8 x 25 and 4 hexagonal nuts M8 (F)

Cross-connector for Rd 8–10 x Rd 16 mm





Type	Fit mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
253 10X16	Rd 8-10 x 16	H/100	25	29.800	**5312809**

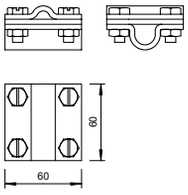
St Steel

FT Hot-dip galvanised

- Meets the requirements of VDE 0185-305-3 (IEC/ EN 62305-3)
- Fit: Rd 8-10 x Rd 16 / FL 30
- Mounted with 4 hexagonal bolts M8 x 25 and 4 hexagonal nuts M8 (F)

Cross-connector with intermediate plate for Rd 8–10 x Rd 16 mm





Type	Fit mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
252 8-10X16 FT	Rd 8-10 x 16	H/100	25	38.800	**5312345**

St Steel

FT Hot-dip galvanised

- Meets the requirements of VDE 0185-305-3 (IEC/ EN 62305-3)
- Fit: Rd 8-10 x Rd 16 / FL 30
- With adapter plate
- Mounted with 4 hexagonal bolts M8 x 25 and 4 hexagonal nuts M8

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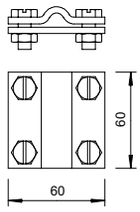
Always indicate the item number when ordering.

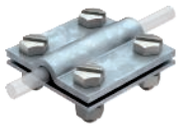
Cross-connector for round conductors and flat conductors DIN

Type	Fit mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
252 8-10XFL30 FT	8-10 x FL30	H/100	25	28.500	**5312655**

St Steel

FT Hot-dip galvanised



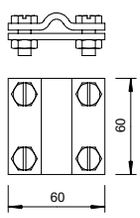


- Meets the requirements of VDE 0185-305-3 (IEC/ EN 62305-3)
- Fit: Rd 8-10 x FL 30
- Mounted with 4 hexagonal bolts M8 x 25 and 4 hexagonal nuts M8

Cross-connector for round conductors and flat conductors

Type	Fit mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
252 8-10xFL30V4A	8-10 x FL30	H/100	10	28.500	**5312656**

A4 Stainless steel, grade 316 Ti





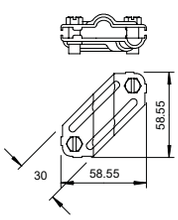
- Meets the requirements of VDE 0185-305-3 (IEC/ EN 62305-3)
- Fit: Rd 8-10 x FL 30
- Mounted with 4 hexagonal bolts M8 x 25 and 4 hexagonal nuts M8

Cross-connector for flat conductors and round conductors

Type	Fit mm	Short-circuit current (50 HZ) (1 s;≤300 °C) kA	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
250	Rd 8-10/FL30	5.6	N/50	25	10.260	**5312906**

St Steel

FT Hot-dip galvanised





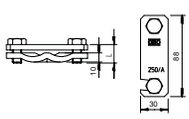
- Meets the requirements of VDE 0185-305-3 (IEC/ EN 62305-3)
- Fit: Rd 8-10 x Rd 8-10
- Fit: Rd 8-10 x FL 30
- Fit: FL 30 x FL 30
- Mounted with 2 hexagonal bolts M8 x 20 (F)

Diagonal clamp for flat conductors and round conductors

Type	Fit mm	Short-circuit current (50 HZ) (1 s;≤300 °C) kA	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
250 A-FT	Rd 6-22/max. FL50	7.3	H/100	25	28.800	**5313015**

St Steel

FT Hot-dip galvanised



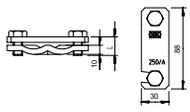


- For reinforced steels Ø 6-22 mm and flat conductor 50 x 4
- Installed with screws M10 x 40
- AS version with screws M10 x 20
- Simple installation with open slot

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Diagonal clamp for flat conductors and round conductors





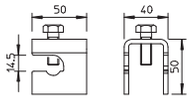
Type	Dimension L mm	Fit mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
250 A-VA	40	Rd 6-22/max. FL50	H/100	10	28.800	**5313023**

A2 Stainless steel, grade 304

- For reinforced steels Ø 6-22 mm and flat conductor 50 x 4
- Installed with screws M10 x 40
- AS version with screws M10 x 20
- Simple installation with open slot

Connection terminal for reinforced steels





Type	Fit mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
1814 ST	FL30x5 x Rd8-14	N/50	25	20.000	**5014476**
1814 FT	FL30x5 x Rd8-14	N/50	25	20.000	**5014468**

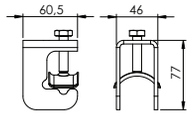
St Steel

FT Hot-dip galvanised

- For reinforced steels with diameters 8-14 mm and FL 30 x 5
- Simple mounting through open slot
- Side suspension possible

Connection terminal for large reinforced steels





Type	Fit mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
1814 ST D37	FL30x3-4mm / Rd 10 x Rd 16-37	H/100	25	30.000	**5014477**
1814 FT D37	FL30x3-4mm / Rd 10 x Rd 16-37	H/100	25	30.000	**5014469**

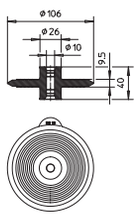
St Steel

FT Hot-dip galvanised

- For armoured steel with 16-37 mm diameter and round conductors and flat conductors
- Rapid installation using open slot and only one M10 screw
- Rotatable metal pressure trough for simple, safe mounting

Sealing sleeve for round conductors





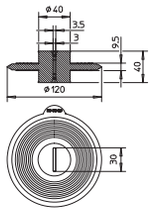
Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DW RD10	RD 10	1	13.000	**2360041**

TPE Thermoplastic elastomer

- Sealing sleeve for penetrations with waterproof foundation plates/walls (e.g. white trough)
- For mounting on connection lugs with stainless steel tightening straps
- With pressurised water testing to 5 bar

Sealing sleeve for flat conductors





Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DW FL30x3,5	FL 30x3,5	1	18.000	**2360043**

TPE Thermoplastic elastomer

- Sealing sleeve for penetrations of waterproof foundation plates/walls (e.g. white trough)
- For mounting on connection lugs with stainless steel tightening straps
- With pressurised water testing to 5 bar
- According to DIN EN 62561-5 (VDE 0185-561-5)

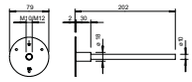
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Always indicate the item number when ordering.

Fixed earthing point

Type	Thread	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
205 B-M10 VA	M10	—	10	23.912	**5420008**

A4 Stainless steel, grade 316 L





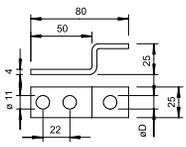
- Connection to earthing systems, conductors and reinforcement
- Contact plate: Ø 79 mm, made of rustproof stainless steel (V4A)
- Clamping bolt Ø 10 mm, rustproof (V2A)
- Incl. plastic cover for simple installation

Connection and end piece

Type	Dimension D Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
5011	11	10	7.064	**5304997**

St Steel

FT Hot-dip galvanised





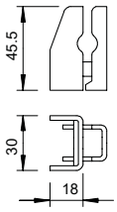
- For attaching to steel structures or bolting to fixed earthing terminals
- For attachments: Round conductor Rd 8-10 and flat conductor FL 30 x 3.5
- 2 attaching holes Ø 11 mm
- 1 attaching holes Ø D mm

Cable bracket for Rd 8–10 and FL 30

Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
835	Rd 8/10/ FL 30x3,5	1	12.100	**5033209**

St Steel

FT Hot-dip galvanised





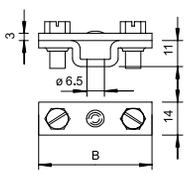
- For round conductor Rd 8-10 and flat conductor FL 30 x 3.5
- Supplied with hexagonal wood bolt 6 x 70 and straddling dowel 910/N

Spacer clip for flat conductor with fastening hole Ø 6.5

Type	Fit mm	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
831 30	max. FL30	54	25	3.580	**5032032**
831 40	max. FL40	65	25	3.894	**5032040**

St Steel

FT Hot-dip galvanised





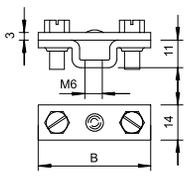
- Fit: FL 30 and FL 40
- With mounting hole Ø 6.5 and 2 hexagonal bolts M6 x 16 (F)

Spacer clip for flat conductor, with threaded connection M6

Type	Fit mm	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
831 30 M6	max. FL30	54	25	3.712	**5032237**
831 40 M6	max. FL40	65	25	3.880	**5032245**

St Steel

FT Hot-dip galvanised





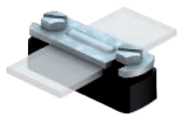
- Fit: FL 30 and FL 40
- With attaching thread M6 and 2 hexagonal bolts M6 x 16 (F)

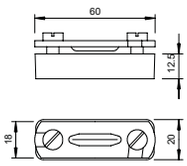
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Always indicate the item number when ordering.

Connection material

Spacer clip for flat conductor, with polyamide base





Type	Fit mm	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
833 35	max. FL30	60	25	4.228	**5033039**

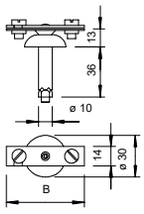
St Steel

FT Hot-dip galvanised

- Fit: FL 30
- With mounting hole 6.2 x 22 mm
- With 2 cylinder bolts M6 x 16 and over-piece from hot-dip galvanised steel
- Bottom section from polyamide, black

Spacer clip for flat conductor, with steel spreading anchor Ø 10





Type	Fit mm	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
710 30	max. FL30	52	25	5.044	**5028035**
710 40	max. FL40	62	25	5.360	**5028043**

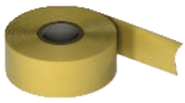
St Steel

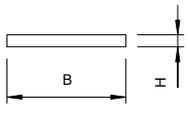
G Electrogalvanised

- Fit: FL 30 and FL 40
- With steel straddling dowel Ø 10 mm, spacer and 2 cylinder bolts M5 x 14 (G)

Holders and accessories

Corrosion protection strip





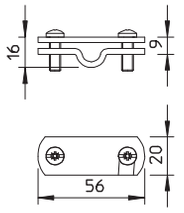
Type	Width mm	Length m	Pack. pcs	Weight kg/100 pcs.	Item No.
356 50	50	10	1	71.500	**2360055**

PETRO Petrolatum

- Approx. 1.1 mm thick
- Width: 50 mm or 100 mm, made of petrolatum-coated chemical fibre fabric
- Can be processed cold

Number plates





Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
311 N-VA 8-10	RD 8 - 10 / FL30	5	5.600	**3049221**
311 N-VA 16	RD 16 - FL30	5	6.400	**3049329**

- To identify the point of separation to DIN 48821
- Suitable for universal labelling (e.g. stamped numbers)

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Always indicate the item number when ordering.

Air-termination and down conductor systems

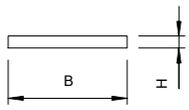


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Always indicate the item number when ordering.

Galvanised steel flat conductor for earth

Type	Dimension W x H mm	Cross-section mm²	Normal ring ca. m	Normal ring ca. kg	Pack. m	Weight kg/100 m	Item No.
5052 DIN 30X3.5	30 x 3,5	105	30	25	30	84.000	**5019345**
5052 DIN 40X4	40 x 4	160	40	51	40	128.000	**5019355**





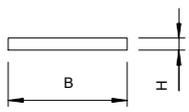
St Steel

FT Hot-dip galvanised

- According to DIN EN 62561-2 (VDE 0185-561-2)
- Meets the requirements of VDE 0185-305 (IEC 62305)
- Zinc coating: 500 g/m² (approx. 70 µm)
- For lightning protection, earthing systems and ring equipotential bonding

Stainless steel flat conductor

Type	Dimension W x H mm	Cross-section mm²	Normal ring ca. m	Normal ring ca. kg	Pack. m	Weight kg/100 m	Item No.
5052 V2A 30X3.5	30 x 3,5	105	50	42	50	82.500	**5018501**



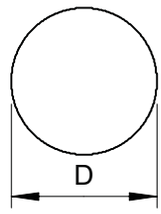


A2 Stainless steel, grade 304

- According to DIN EN 62561-2 (VDE 0185-561-2)
- Corresponds to the requirements of VDE 0185-305 (IEC 62305)
- According to the foundation earther standard DIN 18014, V4A is required in the earth
- For use in areas at risk of corrosion
- For lightning protection, earthing systems and ring equipotential bonding

Round conductor, galvanised steel

Type	Nominal size Ø mm	Cross-section mm²	Normal ring ca. m	Normal ring ca. kg	Pack. m	Weight kg/100 m	Item No.
RD 8-FT	8	50	125	50	125	40.000	**5021081**
RD 10	10	78	80	50	80	52.500	**5021103**





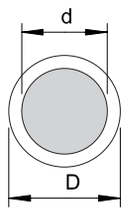
St Steel

FT Hot-dip galvanised

- According to DIN EN 62561-2 (VDE 0185-561-2)
- Corresponds to the requirements of VDE 0185-305 (IEC 62305)
- RD 10 can also be used in the earth
- Zinc coating: 350 g/m² (approx. 50 µm)

Round conductor, galvanised steel with PVC jacketing

Type	Colour	Dimension d mm	Dimension D mm	Cross-section mm²	Normal ring ca. m	Normal ring ca. kg	Pack. m	Weight kg/100 m	Item No.
RD 10-PVC	Black	10	13	78	75	50	75	67.000	**5021162**





St Steel

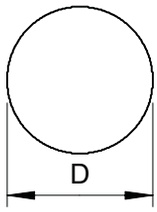
FT Hot-dip galvanised

- Conforms to the requirements according to VDE V 0185-305, (IEC 62305)
- Zinc coating: 350 g/m² (approx. 50 µm)
- With PVC sheathing

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Round conductor, aluminium





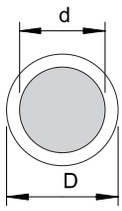
Type	Nominal size Ø mm	Cross-section mm²	Normal ring ca. m	Normal ring ca. kg	Pack. m	Weight kg/100 m	Item No.
RD 8-ALU	8	50	150	20	150	13.500	**5021286**
RD 8-ALU-T	8	50	150	20	150	13.500	**5021294**
RD 10-ALU	10	78	95	20	95	21.000	**5021308**

Alu Aluminium

- According to DIN EN 62561-2 (VDE 0185-561-2)
- Corresponds to the requirements of VDE 0185-305 (IEC 62305)
- RD 8 ALU: Semi-hard (E-AlMgSi0.5 corresponds to DIN 48801)
- RD 8 ALU-T: Can be subjected to torsion (E-AlMgSi0.5 corresponds to DIN 48801)
- RD 10 ALU: Pure aluminium (E-Al corresponds to DIN 48801)
- AL and ALMgSi may not be routed directly on, in or under plaster, mortar or concrete, nor routed in the earth

Round conductor, aluminium, with PVC sheathing





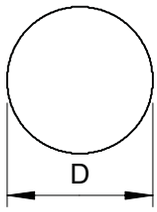
Type	Nominal size Ø mm	Cross-section mm²	Normal ring ca. m	Normal ring ca. kg	Pack. m	Weight kg/100 m	Item No.
RD 8-PVC	8/11	50	100	20	100	20.000	**5021332**

Alu Aluminium

- Meets the requirements of VDE 0185-305 (IEC 62305)
- With PVC jacketing (halogen-free)
- Suitable for routing on, in or under plasterwork, mortar or concrete

Round conductor, stainless steel A2





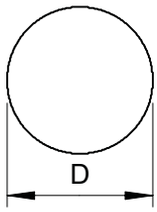
Type	Nominal size Ø mm	Cross-section mm²	Normal ring ca. m	Normal ring ca. kg	Pack. m	Weight kg/100 m	Item No.
RD 8-V2A	8	50	125	50	125	40.000	**5021235**
RD 10-V2A	10	78	50	32	50	63.000	**5021227**

A2 Stainless steel, grade 304

- According to DIN EN 62561-2 (VDE 0185-561-2)
- Corresponds to the requirements of VDE 0185-305 (IEC 62305)
- RD 10-V4A for applications in the earth
- According to the foundation earther standard DIN 18014, V4A is required in the earth

Round conductor, copper





Type	Nominal size Ø mm	Cross-section mm²	Normal ring ca. m	Normal ring ca. kg	Pack. m	Weight kg/100 m	Item No.
RD 8-CU	8	50	100	45	100	45.000	**5021480**

Cu Copper

- According to DIN EN 62561-2 (VDE 0185-561-2)
- Corresponds to the requirements of VDE 0185-305 (IEC 62305)

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Stand for FangFix Junior system

Type	Length mm	Nominal size Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
F-FIX-JUNIOR	1000	10	10	32.000	**5403308**

Alu Aluminium

- Incl. aluminium air-termination rod 1,000 mm long (Ø 10 mm)
- Quick mounting of the air-termination rod in the base using plug technology
- With Vario quick connector 249



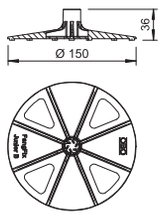


Base for FangFix Junior

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
F-FIX-BASIS	10	3.790	**5403324**

PP Polypropylene

- For mounting Ø 10 mm air-termination rods up to an overall length of 1,000 mm
- Quick installation of air-termination rod in base using plug-in system
- Quick and easy installation





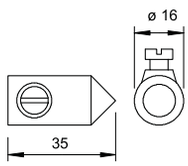
Air-termination tip

Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
120 A	Rd 8-10	10	2.500	**5405068**

Zn Die-cast zinc

G Electrogalvanised

- To be used for Rd 8–10 (corrosion protection)
- With cylinder bolt M6 x 10
- Made of die-cast zinc, bolts made of hot-galvanised steel



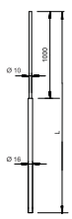


Tapered pipe air-termination rod

Type	Length mm	Nominal size Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
101 VL1500	1500	10/16	10	38.000	**5401980**
101 VL2000	2000	10/16	10	55.000	**5401983**
101 VL2500	2500	10/16	10	72.000	**5401986**
101 VL3000	3000	10/16	10	88.000	**5401989**
101 VL3500	3500	10/16	10	105.000	**5401993**
101 VL4000	4000	10/16	10	120.000	**5401995**

Alu Aluminium

- Suitable for wind loads according to Eurocode 1: DIN EN 1991-1-4
- From a free length of > 2.5 m, an additional fastening, e.g. insulated spacer is recommended
- Last metre is tapered from Ø 16 mm to Ø 10 mm, material: AlMgSi
- Matches stand system FangFix



Air-termination/earth entry rod, rounded-off on both ends

Type	Length mm	Nominal size Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
101 A-CU	1500	16	10	272.100	**5400627**

Cu Copper

- Full material Ø 16 mm
- Both ends rounded

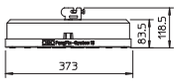


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Always indicate the item number when ordering.

Stand for FangFix system 16 kg





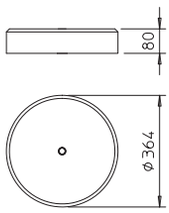
Type	Fit mm	Nominal size Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
F-FIX-16	Rd 8	373	1	1,732.500	**5403200**

BET Concrete

- System consists of FangFix stone with edge protection and clamp
- FangFix clamp made of VA; lightning current tested to VDE 0185-305 (IEC 62305)
- 16 kg stone of Ø 365 mm, high level of stability
- Quick and easy mounting of air-termination rod using anchors
- Concrete, frost-resistant
- The FangFix stone can be stacked
- Suitable for Ø 16 mm pipe air-termination rods

Concrete block for FangFix-System 16 kg





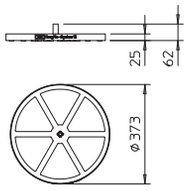
Type	Nominal size Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
F-FIX-S16	365	1	1,700.000	**5403227**

BET Concrete

- 16 kg stone of Ø 365 mm, high level of stability
- Frost-resistant concrete
- Stackable

Base for FangFix system 16 kg





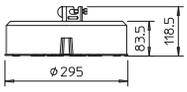
Type	Nominal size Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
F-FIX-B16	373	10	16.400	**5403235**

PP Polypropylene

Edge protection with integrated dowel (basic) suitable for FangFix system.

Stand for FangFix system 10 kg





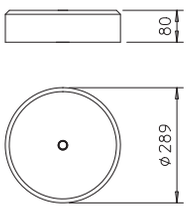
Type	Fit mm	Nominal size Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
F-FIX-10	Rd 8	295	1	1,058.000	**5403103**

BET Concrete

- System consists of FangFix stone with base and clamp
- FangFix clamp made of VA; lightning current tested with 0185 kA (305/62305)
- 10 kg stone of Ø 289 mm, high level of stability
- Quick and easy mounting of air-termination rod using anchors
- Concrete, frost-resistant
- The FangFix stone can be stacked
- Suitable for Ø 16 mm pipe air-termination rods

Concrete block for FangFix system 10 kg





Type	Nominal size Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
F-FIX-S10	289	1	1,000.000	**5403117**

BET Concrete

- 10 kg stone of Ø 289 mm, high level of stability
- Frost-resistant concrete
- Stackable

Always indicate the item number when ordering.

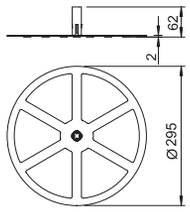
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Base for FangFix system 10 kg

Type	Nominal size Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
F-FIX-B10	295	10	7.600	**5403124**

PP Polypropylene

Edge protection with integrated dowel (basic) suitable for FangFix 10 kg system.



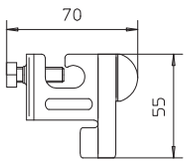


Terminal for FangFix system

Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
F-FIX-KL	Rd 8	5	8.700	**5403219**

A2 Stainless steel, grade 304

- FangFix terminal, VA for RD 8 mm
- Tested with H (100 kA) to DIN EN 50164-1
- Round conductor installed on the air-termination rod with only one screw

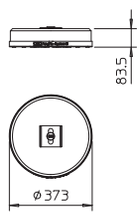




Stand - TrayFix set 16 L

Type	From tray width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
TrayFix-16-L	100	1	1,700.000	**5403098**

- Mounting system for the fastening of mesh cable trays with the FangFix stone, e.g. cable routing on a flat roof.
- Matched to OBO cable tray systems MKSM and SKSM.
- Matched to OBO mesh cable systems with a minimum width of 100 mm.
- Set consisting of TrayFix mounting adapter and concrete block including base for FangFix system 16 kg

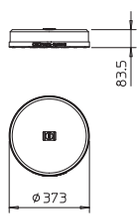




Stand - TrayFix set 16 S

Type	From tray width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
TrayFix-16-S	100	1	1,700.000	**5403099**

- Mounting system for the fastening of mesh cable trays with the FangFix stone, e.g. cable routing on a flat roof.
- Matches OBO mesh cable tray systems with a minimum width of 100 mm
- Set consisting of TrayFix mounting adapter and concrete block including base for FangFix system 16 kg

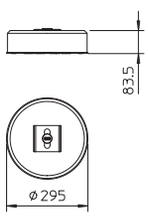




Stand - TrayFix set 10 L

Type	From tray width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
TrayFix-10-L	100	1	1,100.000	**5403101**

- Mounting system for the fastening of mesh cable trays with the FangFix stone, e.g. cable routing on a flat roof.
- Matched to OBO cable tray systems MKSM and SKSM.
- Matched to OBO mesh cable systems with a minimum width of 100 mm.
- Set consisting of TrayFix mounting adapter and concrete block including base for FangFix system 10 kg

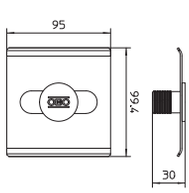


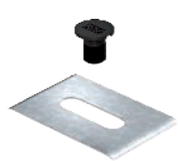


TrayFix mounting adapter for mesh cable trays on FangFix system

Type	Dimension	Pack. pcs	Weight kg/100 pcs.	Item No.
TrayFix	ø20mm	25	9.850	**5403100**

- Mounting system for the fastening of mesh cable trays and cable trays on FangFix stone e.g. cable routing on a flat roof.
- Adapted to OBO cable tray systems MKSM, SKSM and IKSM
- Adapted to OBO mesh cable tray systems with a minimum width of 100 mm

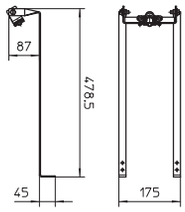




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Air-termination rod holder for sloping roof





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
SD-Fix	1	81.000	**5403335**

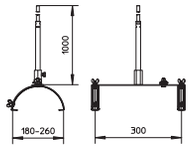
A2 Stainless steel, grade 304

Stand system: rod holder for sloping roofs, for simple, quick and secure fastening of Ø 16 mm air-termination rods.

- System consists of a bracket made of V2A stainless steel
- Quick and easy mounting
- Adjustable angle
- In the case of high air-termination rods (> 1 m), additional fastening with insulated spaces is necessary

Air-termination rod holder for ridge tiles





Type	Dimension L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
F-Fix-132-300	300	1	78.000	**5403333**

A2 Stainless steel, grade 304

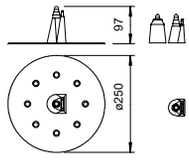
Rod holder for ridge tiles, for simple, quick and safe fastening of Ø 16 mm air-termination rods

- System consisting of holder made of V2A stainless steel and aluminium air-termination rods
- Quick and easy mounting thanks to pre-mounted air-termination rod
- Air-termination rod length:
- Air-termination rod length: 1,000 mm
- Width adjustable between 180–260 mm
- Spacing of the ridge holders: 110 mm (5403330)
- Spacing of the ridge holders: 300 mm (5403333)

Application: To protect roof structures such as photovoltaic and TV/SAT systems.

Roof penetration





Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
330 K	Rd 8-16/ FL20 u. FL30	5	14.400	**5201101**

PA Polyamide

- For round conductors 8-10, air-termination rods 16 mm
- Flat conductors 20 mm/30 mm
- Colour: Black, UV-resistant
- For penetration and sealing of roofs

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Always indicate the item number when ordering.

isFang air-termination rod

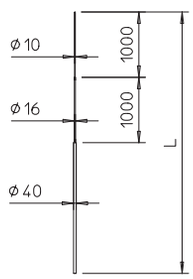
Type	Dimension B mm	Dimension D mm	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
101 3B-4000	2000	1000	4000	1	400.000	**5402864**
101 3B-4500	2500	1000	4500	1	480.000	**5402866**
101 3B-5000	3000	1000	5000	1	550.000	**5402868**
101 3B-5500	3000	1500	5500	1	630.000	**5402870**
101 3B-6000	4000	1000	6000	1	700.000	**5402872**
101 3B-6500	4500	1000	6500	1	780.000	**5402874**
101 3B-7000	5000	1000	7000	1	850.000	**5402876**
101 3B-7500	5500	1000	7500	1	930.000	**5402878**
101 3B-8000	5500	1000	8000	1	1,000.000	**5402880**

Alu Aluminium

- Suitable for wind loads according to Eurocode 1: DIN EN 1991-1-4
- Tapered air-termination rod
- Suitable for 40 mm isFang tripod stand and isFang support systems

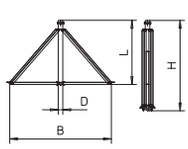


Dimensions



isFang air-termination rod stand

Type	Dimension B mm	Dimension D Ø mm	Dimension L mm	Dimension H mm	Pack. pcs	Weight kg/100 pcs.	Item No.
isFang 3B-100 AL	1000	40	600	885	1	380.000	**5408966**
isFang 3B-150 AL	1500	40	900	1275	1	560.000	**5408967**
isFang 3B-100	1000	40	600	885	1	620.000	**5408968**
isFang 3B-150	1500	40	900	1275	1	950.000	**5408969**



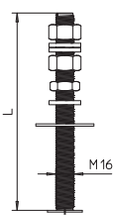


A2 Stainless steel, grade 304 Alu Aluminium

Folding tripod stand for screwless installation of free-standing air-termination rods with a diameter of 40 mm, e.g. for OBO isCon® conductors. Roof slope to max. 5 degrees. Incl. Rd 8–10 crossbar for rapid round conductor fastening. The concrete plinth and threaded rods are to be ordered separately.

isFang-3B threaded rod

Type	Dimension L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
isFang 3B-G1	270	3	48.000	**5408971**
isFang 3B-G2	340	3	60.400	**5408972**
isFang 3B-G3	430	3	69.500	**5408973**
isFang 3B-G4	500	3	75.000	**5408905**





A2 Stainless steel, grade 304

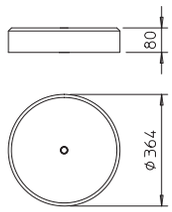
- For fastening on one, two, three or four FangFix concrete bases with tripod stand

Always indicate the item number when ordering.

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Concrete block for FangFix-System 16 kg





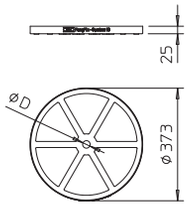
Type	Nominal size Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
F-FIX-S16	365	1	1,700.000	**5403227**

BET Concrete

- 16 kg stone of Ø 365 mm, high level of stability
- Frost-resistant concrete
- Stackable

Base for FangFix system 16 kg for mounting the isFang tripod





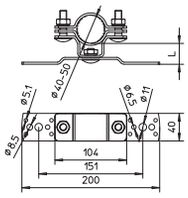
Type	Nominal size Ø mm	Dimension D Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
F-FIX-B16 3B	373	25	10	15.800	**5403238**

PP Polypropylene

- Edge protection with through hole
- For mounting isFang-3B threaded rod and FangFix concrete block F-FIX-S16

isFang support for wall mounting, 30 mm spacing





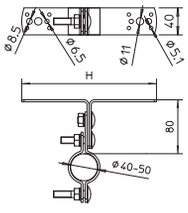
Type	Dimension L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
isFang TW30	30	2	62.000	**5408952**

A2 Stainless steel, grade 304

Fastening clip to fasten the insulated support pipes on the structure to be protected or on the wall.

isFang support for wall mounting, 80 mm spacing





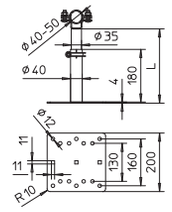
Type	Dimension L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
isFang TW80	80	2	63.000	**5408950**

A2 Stainless steel, grade 304

Fastening clip to fasten the insulated support pipes on the structure to be protected or on the wall.

isFang support for wall mounting, 200–300 mm spacing





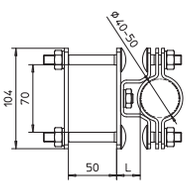
Type	Dimension L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
isFang TW200	300	2	230.000	**5408954**

A2 Stainless steel, grade 304

Fastening clip to fasten the insulated support pipes on the structure to be protected or on the wall.

isFang support for corner pipe mounting, 50 x 50 mm





Type	Dimension D Ø mm	Dimension L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
isFang TS50x50	–	30	2	82.000	**5408964**

A2 Stainless steel, grade 304

Fastening clip to fasten the insulated support pipes on the structure to be protected or for construction-side corner pipes of 50x50 mm.

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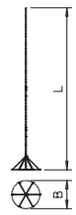
Always indicate the item number when ordering.

10 m air-termination rod with 6-legged air-termination rod stand

Type	Dimension D Ø mm	Dimension B mm	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
irod 10	48.3	1800	10000	1	6,500.000	**5400810**

A2 Stainless steel, grade 304

- Tele lightning protection system against direct lightning strikes into plants, such as biogas plants
- Consisting of air-termination rod and air-termination rod stand
- Please order concrete foot, edge protection and threaded rods separately





12 m air-termination rod with 6-legged air-termination rod stand

Type	Dimension D Ø mm	Dimension B mm	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
irod 12	85	3000	12000	1	10,900.000	**5400812**

A2 Stainless steel, grade 304

- Tele lightning protection system against direct lightning strikes into plants, such as biogas plants
- Consisting of air-termination rod and air-termination rod stand
- Please order concrete foot, edge protection and threaded rods separately





14 m air-termination rod with 8-legged air-termination rod stand

Type	Dimension D Ø mm	Dimension B mm	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
irod 14	85	3200	14000	1	15,400.000	**5400814**

A2 Stainless steel, grade 304

- Tele lightning protection system against direct lightning strikes into plants, such as biogas plants, gas pressure regulation plants, control and greenfield photovoltaic systems
- Consisting of air-termination rod and air-termination rod stand
- Please order concrete foot, edge protection and threaded rods separately



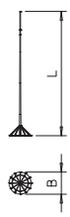


19 m air-termination rod with 12-legged air-termination rod stand

Type	Dimension D Ø mm	Dimension B mm	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
irod 19	198	3400	19500	1	41,500.000	**5400817**

A2 Stainless steel, grade 304

- Tele lightning protection system against direct lightning strikes into plants, such as biogas plants, gas-pressure regulation plants, control and greenfield photovoltaic systems
- Consisting of air-termination rod and air-termination rod stand
- Please order concrete foot and edge protection separately
- Including 800-mm threaded rods





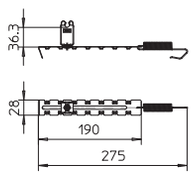
Roof conductor holder, ridge

Ridge conductor holder with tensioning spring 35 mm

Type	Fit mm	Installation height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
132 U 35	RD 8	35	20	6.800	**5203018**

A2 Stainless steel, grade 304

- For round conductor Rd 8
- Clamping range 280-380 mm



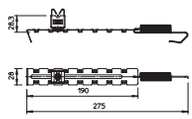


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Always indicate the item number when ordering.

Ridge conductor holder with tensioning spring 8 mm



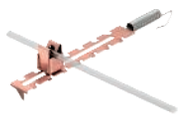


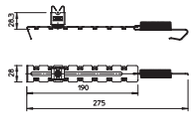
Type	Fit mm	Installation height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
132 U	RD 8	20	20	6.000	**5203015**

A2 Stainless steel, grade 304

- For round conductor Rd 8
- Clamping range 280-380 mm

Ridge conductor holder with tensioning spring 8 mm copper-plated





Type	Fit mm	Installation height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
132 U-CU	RD 8	20	10	0.600	**5203023**

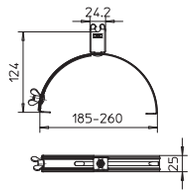
A2 Stainless steel, grade 304

Cu Copper-plated

- For round conductor Rd 8
- Clamping range 280-380 mm

Roof conductor holder for ridge tiles, 185–260 mm, Rd 8, A2 35 mm





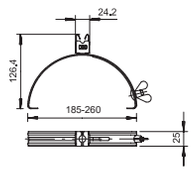
Type	Fit mm	Installation height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
132 VA 35	Rd 8	35	20	13.700	**5202836**

A2 Stainless steel, grade 304

- Adjustable width from 185-260 mm
- Fast installation using wing screw

Roof conductor holder for ridge tiles, 185–260 mm, Rd 8, A2 8mm





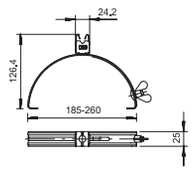
Type	Fit mm	Installation height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
132 VA	Rd 8	20	20	12.900	**5202833**

A2 Stainless steel, grade 304

- Adjustable width from 185-260 mm
- Fast installation using wing screw

Roof conductor holder for ridge tiles, 185–260 mm, Rd 8. CU 8 mm





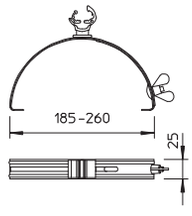
Type	Fit mm	Installation height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
132 CU	Rd 8	20	10	13.400	**5202868**

Cu Copper

- Adjustable width from 185-260 mm
- Fast installation using wing screw

Roof conductor holder for ridge tiles, 185–260 mm, Rd 8–10, A2 8mm





Type	Fit mm	Installation height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
132 K-VA	Rd 8-10	20	20	10.900	**5202515**

A2 Stainless steel, grade 304

- Adjustable width from 185-260 mm
- Bottom part made of non-rusting stainless steel (V2A)
- Infinitely adjustable conductor holder
- Conductor holder of polyamide
- Fast installation using wing screw

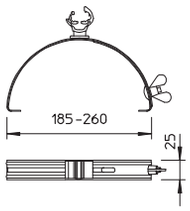
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Roof conductor holder for ridge tiles, 185–260 mm, Rd 8–10, CU 8 mm

Type	Fit mm	Installation height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
132 K-CU	Rd 8-10	20	10	11.600	**5202590**

Cu Copper

- Adjustable width from 185-260 mm
- Bottom part made of copper
- Infinitely adjustable conductor holder
- Conductor holder of polyamide
- Fast installation using wing screw



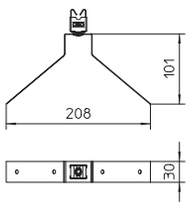


Roof conductor holder for ridge tiles, metal roofs, Rd 8

Type	Fit mm	Installation height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
132 P VA	Rd 8	20	20	8.420	**5202510**

A2 Stainless steel, grade 304

- For round conductors Rd 8
- Suitable for metal roofs



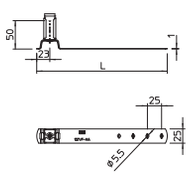


Roof conductor holder for tiled roofs, Rd 8, A2 35 mm

Type	Fit mm	Installation height mm	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
157 F-VA 230 35	Rd 8	50	230	20	8.300	**5215555**
157 F-VA 280 35	Rd 8	50	280	20	9.700	**5215582**

A2 Stainless steel, grade 304

- Conductor holder from stainless steel (V2A)
- Including drill hole in bottom section for quick installation



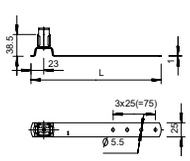


Roof conductor holder for tiled roofs, Rd 8, A2 8 mm

Type	Fit mm	Installation height mm	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
157 F-VA 230	Rd 8	38.5	230	20	8.350	**5215552**
157 F-VA 280	Rd 8	38.5	280	20	10.170	**5215579**
157 F-VA 410	Rd 8	38.5	410	20	14.880	**5215595**

A2 Stainless steel, grade 304

- Conductor holder from stainless steel (V2A)
- Including drill hole in bottom section for quick installation



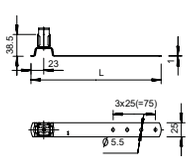


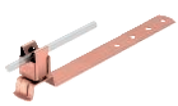
Roof conductor holder for tiled roofs, Rd 8, CU 8mm

Type	Fit mm	Installation height mm	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
157 F-CU 230	Rd 8	38.5	230	10	10.300	**5216192**
157 F-CU 280	Rd 8	38.5	280	10	11.100	**5216206**
157 F-CU 410	Rd 8	38.5	410	10	14.500	**5216257**

Cu Copper

- Conductor holder from copper plated stainless steel (V2A)
- Including drill hole in bottom section for quick installation





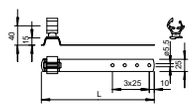
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Roof conductor holder, tiled roof

Roof conductor holder for tiled roofs, Rd 8–10, A2 8 mm



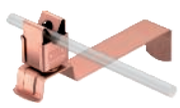


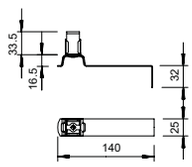
Type	Fit mm	Installation height mm	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
157 FK-VA 230	Rd 8-10	40	230	20	7.800	**5215544**
157 FK-VA 280	Rd 8-10	40	280	20	10.170	**5215587**
157 FK-VA 410	Rd 8-10	40	410	20	14.880	**5215609**

A2 Stainless steel, grade 304

- Conductor holder of polyamide
- Including drill hole in bottom section for quick installation

Roof conductor holder for tiled roofs, angled, Rd 8, CU 8mm





Type	Fit mm	Installation height mm	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
157 I-CU	Rd 8	26.5	140	10	7.800	**5215749**

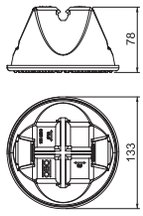
Cu Copper

- Conductor holder copper plated high-grade stainless steel (V2A)
- Curved bottom strip for quick installation

Roof conductor holder, flat roof

Roof conductor holder for flat roofs, black





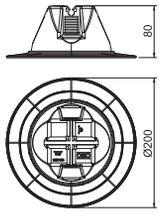
Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
165 MBG-8-10	Rd 8-10	12	100.000	**5218700**

PA/PE Polyamide/Polyethylene

- Closed form with base
- With double conductor holder
- Filling weight 1 kg (frost-resistant concrete)
- Sleeve made of polyethylene, black, bottom polypropylene, black
- Base made of polyamide PA 6, black, UV-stabilised and weather-resistant
- Base can be used on almost all roofing felt systems (bitumen, PVC)
- Types 165 MBG...FO: Packed in foil bag

Roof conductor holder for flat roofs, with increased base section





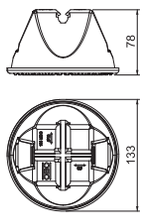
Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
165 MBG-8-10 200	Rd 8-10	12	100.000	**5218716**

PA/PE Polyamide/Polyethylene

- DIN 48829 Form B 1
- Closed form with bottom
- With double conductor holder
- Filling weight 1 kg (frost-resistant concrete)
- Sleeve from polyethylene, black, bottom polypropylene, black
- With larger bottom section (Ø 200 mm) for improved stability

Roof conductor holder for flat roofs, grey





Type	Fit mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
165 MBG-8-10 GR	Rd 8-10	Grey	12	100.000	**5218708**

PA/PE Polyamide/Polyethylene

- Closed form with base
- With double conductor holder
- Filling weight 1 kg (frost resistant concrete)
- Case made from polyethylene, light grey, UV-stabilised and weatherproof
- Base made from polyamide PA 6, light grey, UV-stabilised and weatherproof
- Base suitable for nearly all roofing membrane systems (Bitumen, PVC)

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Flat conductor adapter for roof conductor holder, type 165/MBG

Type	Colour	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
165 MBG HFL	Black	Rd 8	12	0.658	**5218885**

PP Polypropylene

- Flat conductor holder FL 30 x 3.5 mm
- For fastening to 165/MBG in fit Rd 8

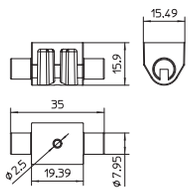


Universal flat conductor adapter for roof conductor holder, type 165/MBG

Type	Colour	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
165 MBG UH	Black	Rd 8	25	0.254	**5218882**

PP Polypropylene

- Universal adapter with drill hole Ø 2.5 mm
- E.g. for OBO Golden Sprint screw, type 4758 4 x L (L = depending on application)
- For fastening to 165/MBG



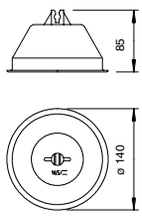


Roof conductor holder for flat roofs, plastic sleeve

Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
165 KR	Rd 8	50	5.449	**5218861**

PE Polyethylene

- For self-filling with concrete
- Potential filling weight: approx. 1.3 kg
- Sleeve from polyethylene, black



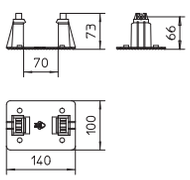


Roof conductor holder, for plastic film roofs

Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
165 R-8-10 OBG	Rd 8-10	100	6.760	**5218999**

PE Polyethylene

- For flat roofs
- For round conductors Rd 8 to 10
- Polyethylene plastic holder, light grey
- For clamping in roof strips





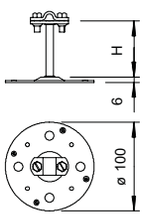
Roof conductor holder, suitable for bonding straight to flat roofs

Type	Fit mm	Installation height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
165 B 60	Rd 8-10	60	50	26.100	**5218810**
165 B 100	Rd 8-10	100	50	27.700	**5218829**

St Steel

FT Hot-dip galvanised

- With conductor holder and bottom section, hot-dip galvanised steel
- Bottom section Ø 100 mm



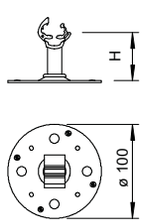


Roof conductor holder, 55 mm, suitable for bonding straight to flat roofs

Type	Fit mm	Dimension H mm	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
165 NBK 55	Rd 8-10	55	100	75	17.060	**5218314**

PA Polyamide

- Suitable for bonding straight to flat roofs
- Conductor holder of polyamide
- Bottom section, hot-dip galvanised steel
- Bottom section Ø 100 mm





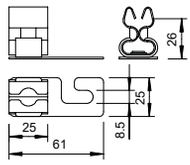
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Roof conductor holder, tiled, slated and corrugated roofs

Roof conductor holder for tiled, slated and corrugated roofs, Rd 8





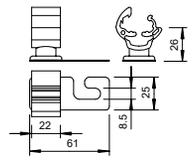
Type	Fit mm	Installation height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
159 VA-V	Rd 8	21	20	3.900	**5217075**

A2 Stainless steel, grade 304

- Bottom section and conductor holder stainless steel (V2A)
- Bottom section with Ø 8.5 mm slot

Roof conductor holder for tiled, slated and corrugated roofs, Rd 8–10





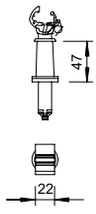
Type	Fit mm	Installation height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
159 K-VA	Rd 8-10	21	20	2.540	**5216818**

A2 Stainless steel, grade 304

- Bottom section stainless steel (V2A)
- Bottom section with Ø 8.5 mm slot
- Conductor holder of polyamide

Roof conductor holder for tiled, slated and corrugated roofs, with cable bracket





Type	Fit mm	Installation height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
133 NB	Rd 8-10	67	20	4.338	**5202213**

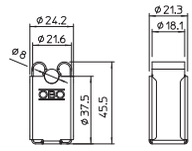
PA Polyamide

- With weather-proof clamping collar from soft-PVC
- Required drill hole Ø = 16 mm
- Spacer and conductor holder from polyamide, grey

Conductor bracket

Screwless cable bracket, raised construction type, for Rd 8 mm, through-way Ø 5 mm





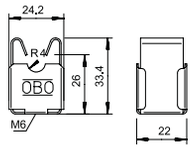
Type	Fit mm	Installation height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
177 35 VA M6	Rd 8	35	20	2.680	**5207342**

A2 Stainless steel, grade 304

- With female thread M6 or through hole Ø 5 mm
- From stainless steel (V2A)

Screwless cable bracket for Rd 8 mm, through-way Ø 5 mm





Type	Fit mm	Installation height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
177 20 VA M6	Rd 8	20	20	2.500	**5207339**

A2 Stainless steel, grade 304

- With female thread M6 or through hole Ø 5 mm
- From stainless steel (V2A)

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Always indicate the item number when ordering.

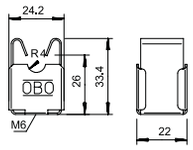
Screwless cable bracket for Rd 8 mm, through-way Ø 5 mm copper-plated

Type	Fit mm	Installation height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
177 20 VA-VK M6	Rd 8	20	20	2.500	**5207800**

A2 Stainless steel, grade 304

Cu Copper-plated

- With female thread M6 or through hole Ø 5 mm
- From stainless steel (V2A)
- VA-VK: copper-plated



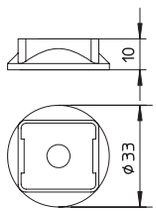


Washer for cable bracket, type 177

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
177 U	Light grey	20	0.286	**5207371**

PP Polypropylene

- For simple wall installation
- UV-resistant



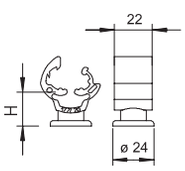


Universal cable bracket Rd 8–10 mm

Type	Fit mm	Installation height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
177 20 M8	Rd 8-10	20	20	0.723	**5207444**
177 30 M8	Rd 8-10	30	20	0.790	**5207460**
177 55 M8	Rd 8-10	55	20	1.007	**5207487**

PA Polyamide

- With female thread M8 or through hole Ø 7 mm
- Weather and temperature-resistant from -35 °C to +90 °C



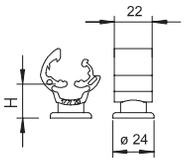


Universal cable bracket Rd 8–10 mm, copper-plated

Type	Fit mm	Installation height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
177 20 CU	Rd 8-10	20	10	0.718	**5207746**
177 30 CU	Rd 8-10	30	10	0.784	**5207754**
177 55 CU	Rd 8-10	55	10	1.450	**5207762**

PA Polyamide

- With female thread M8 for screwing and through hole for wood screws
- Colour: copper
- Weather and temperature-resistant from -35 °C to +90 °C



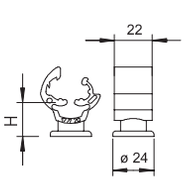


Universal cable bracket Rd 8–10 mm with pre-mounted wood screw

Type	Fit mm	Installation height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
177 B-HD20	Rd 8-10	20	50	1.930	**5207851**

PA Polyamide

- With female thread M8 for screwing and through hole for wood screws
- For round conductor Rd 8-10
- Weather and temperature-resistant from -35 °C to +90 °C
- With pre-mounted wood screws (5 x 60) and plastic dowels (8 x 40).



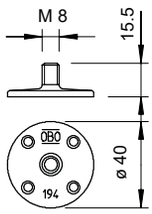


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Always indicate the item number when ordering.

Bonding base





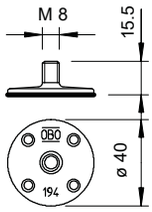
Type	Colour	Thread	Pack. pcs	Weight kg/100 pcs.	Item No.
194	Grey	M8	100	0.389	**5207258**

PA Polyamide

- With threaded stem M8
- For mounting conductor supports with M8 female thread
- For bonding to concrete, steel or brickwork

Bonding base including industrial bonding pad





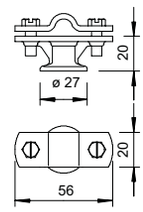
Type	Colour	Thread	Pack. pcs	Weight kg/100 pcs.	Item No.
194 K	Grey	M8	20	0.600	**5207266**

PA Polyamide

- With threaded pin M8
- To accept conductor supports with M8 internal thread
- For bonding to concrete, steel or smooth substrates
- Not suitable for rough surfaces such as plaster, wood, bitumen strips
- Processing at > +15 °C and on cleaned substrate
- To route the conductor, cannot be used on the roof
- Use on sheet roofs after agreement with the responsible roofing contractors

Cable bracket with crossbar Rd 8–10 mm





Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
113 Z8-10	Rd 8-10	20	6.202	**5229960**

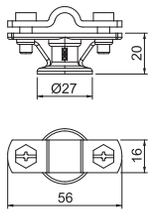
Zn Die-cast zinc

G Electrogalvanised

- With female thread M8 or through hole Ø 7 mm
- Over-piece installed with 2 hexagonal bolts
- Version HD with wood screws (5 x 60) and plastic dowels (8 x 40)

Cable bracket with crossbar Rd 8–10 mm copper-plated





Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
113 8-10	Rd 8-10	20	9.600	**5230217**

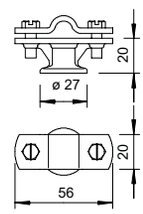
Zn Die-cast zinc

Cu Copper-plated

- With female thread M8 or through hole Ø 7 mm
- Over-piece installed with 2 hexagonal bolts

Cable bracket with crossbar, wood screw, plastic anchor Rd 8-10 mm galvanised





Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
113 B-Z-HD	Rd 8-10	100	6.580	**5230322**

Zn Die-cast zinc

VZ Galvanised

- With female thread M8 or through hole Ø 7 mm
- Over-piece installed with 2 hexagonal bolts
- Version HD with wood screws (5 x 60) and plastic dowels (8 x 40)

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Always indicate the item number when ordering.

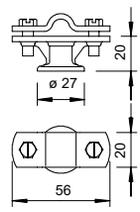
Cable bracket with crossbar, wood screw, plastic anchor Rd 8-10 mm copper-plated

Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
113 B-MS-HD 8-10	Rd 8-10	100	7.280	**5230365**

Zn Die-cast zinc

Cu Copper-plated

- With female thread M8 or through hole Ø 7 mm
- Over-piece installed with 2 hexagonal bolts
- Version HD with wood screws (5 x 60) and plastic dowels (8 x 40)





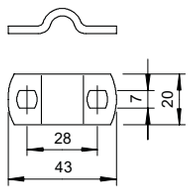
Crossbar for Rd 8–10 mm, steel

Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
156 K8-10 ST	Rd 8-10	100	2.000	**5228123**

St Steel

FT Hot-dip galvanised

- For round conductor Rd 8-10



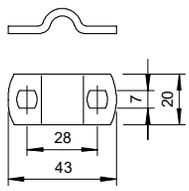


Crossbar for Rd 8–10 mm, stainless steel

Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
156 K8-10 VA	Rd 8-10	100	2.100	**5228134**

A2 Stainless steel, grade 304

- For round conductor Rd 8-10





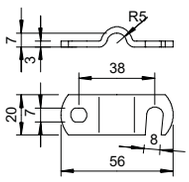
Hinge crossbar for Rd 8-10 mm

Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
156 8-10	Rd 8-10	100	2.680	**5228026**

St Steel

FT Hot-dip galvanised

- With open slot for quick installation



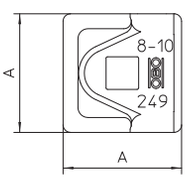


Connection terminal, equipotential bonding, Rd 8–10 mm

Type	Fit mm	Dimension A mm	Pack. pcs	Weight kg/100 pcs.	Item No.
249 8-10 CU-OT	Rd 8-10	40	100	3.580	**5311530**

Cu Copper

- For round conductor fastening RD 8-10
- Suitable for M10 bolts





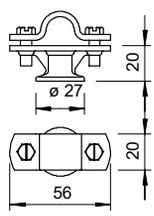
Rod holder for 16 mm air-termination and earth entry rods, copper-plated

Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
113 ZN-16	Rd 16	10	10.100	**5412633**

Zn Die-cast zinc

Cu Copper-plated

- For lightning and ground insertion rods Rd 16
- Installed with over-piece and hex-head screws M6 x 16
- With female thread M8 or through hole Ø 7 mm

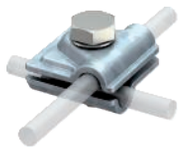


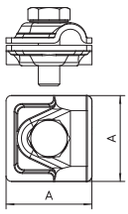


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Always indicate the item number when ordering.

Vario quick connector





Type	Fit mm	Dimension A mm	Short-circuit current (50 HZ) (1 s;≤300 °C) kA	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
249 8-10 ST	Rd 8-10	40	5.6	H/100	20	10.800	**5311500**
249 B ST	Rd 8-10	40	5.6	H/100	100	10.800	**5311705**

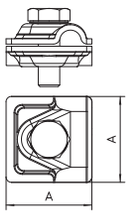
St Steel

FT Hot-dip galvanised

- For T, cross and parallel connectors
- Quick installation using hexagonal bolt M10 x 30, high-grade stainless steel
- Conforms to the requirements according to DIN VDE 0185-305 (IEC 62305)

Vario quick connector





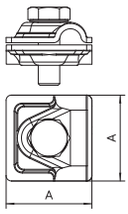
Type	Fit mm	Dimension A mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
249 8-10 ALU	Rd 8-10	44	H/100	30	6.600	**5311519**
249 B ALU	Rd 8-10	44	H/100	100	7.250	**5311713**

Alu Aluminium

- For T, cross and parallel connectors
- Quick installation using hexagonal bolt M10 x 30, high-grade stainless steel
- Conforms to the requirements according to DIN VDE 0185-305 (IEC 62305)

Vario quick connector



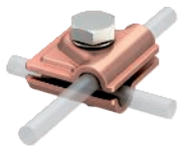


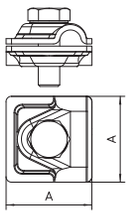
Type	Fit mm	Dimension A mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
249 8-10 VA	Rd 8-10	40	H/100	10	10.700	**5311551**

A2 Stainless steel, grade 304

- For T, cross and parallel connectors
- Quick installation using hexagonal bolt M10 x 30, high-grade stainless steel
- Conforms to the requirements according to DIN VDE 0185-305 (IEC 62305)

Vario quick connector





Type	Fit mm	Dimension A mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
249 8-10 CU	Rd 8-10	40	H/100	10	11.900	**5311527**

Cu Copper

- For T, cross and parallel connectors
- Quick installation using hexagonal bolt M10 x 30, high-grade stainless steel
- Conforms to the requirements according to DIN VDE 0185-305 (IEC 62305)

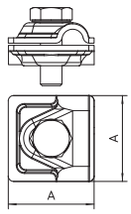
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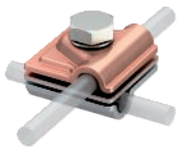
Always indicate the item number when ordering.

Variable bi-metal quick connector

Type	Fit mm	Lightning current carrying capacity kA	Dimension A mm	Material symbol	Pack. pcs	Weight kg/100 pcs.	Item No.
249 8-10 ZV	Rd 8-10	H/100	44	Cu	10	14.220	**5311535**

Cu Copper



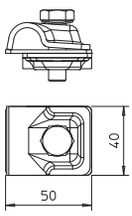


- Intermediate plate, copper/aluminium, top section copper and aluminium
- For T, cross and parallel connectors
- Quick installation using hexagonal bolt M10 x 30, high-grade stainless steel
- With spring washer according to DIN 137
- Conforms to the requirements according to DIN VDE 0185-305 (IEC 62305)

Vario quick connector Rd 8-10x16

Type	Fit mm	Dimension A mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
249 8-10X16 VA	8-10X16	40	H/100	10	16.300	**5311590**

A2 Stainless steel, grade 304





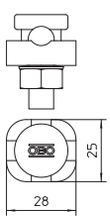
- For T, intersection and parallel connections with adapter plates
- Quick mounting using an M10 x 30 bolt, made from rustproof stainless steel
- With sprung washer to DIN 137
- Corresponds to the requirements of VDE 0185-305 (IEC 62305)

Connector Rd 8–10 mm, single

Type	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
5001 DIN-FT	H/100	20	7.450	**5304105**
5001 DIN-FT+VA	H/100	20	7.450	**5304107**

St Steel

FT Hot-dip galvanised





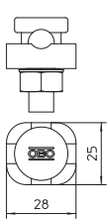
- With fix contact clamping screw, nut and serrated washer
- With bore hole 10.2 mm
- With pre-mounted pressure piece, die-cast zinc
- Conforms to the requirements according to DIN VDE 0185-305 (IEC 62305)

Connector Rd 8–10 mm, single, copper

Type	Fit mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
5001 ZN-CU	Rd 8-10	H/100	10	8.760	**5304113**

Zn Die-cast zinc

Cu Copper-plated





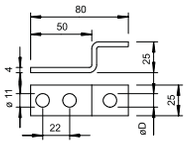
- With fix contact clamping screw, nut and serrated washer
- With bore hole 10.2 mm
- With pre-mounted pressure piece, die-cast zinc
- Conforms to the requirements according to DIN VDE 0185-305 (IEC 62305)

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Always indicate the item number when ordering.

Connection and end piece





Type	Dimension D Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
5011	11	10	7.064	**5304997**

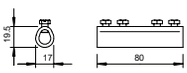
St Steel

FT Hot-dip galvanised

- For attaching to steel structures or bolting to fixed earthing terminals
- For attachments: Round conductor Rd 8-10 and flat conductor FL 30 x 3.5
- 2 attaching holes Ø 11 mm
- 1 attaching holes Ø D mm

Straight connector Rd 8–10 mm





Type	Fit mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
237 N FT	Rd 8-10	H/100	20	8.560	**5328209**

St Steel

F Hot-dip galvanised

- With 4 hexagonal bolts M6 x 10
- Complies with the requirements of VDE 0185-305-3 (IEC/ EN 62305-3)

Straight connector Rd 8–10 mm





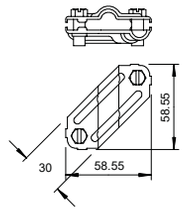
Type	Fit mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
237 N CU	Rd 8-10	H/100	10	8.760	**5328284**

Cu Copper

- With 4 hexagonal bolts M6 x 10
- Complies with the requirements of VDE 0185-305-3 (IEC/ EN 62305-3)

Cross-connector for flat conductors and round conductors





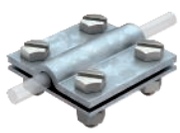
Type	Fit mm	Short-circuit current (50 HZ) (1 s;≤300 °C) kA	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
250	Rd 8-10/FL30	5.6	N/50	25	10.260	**5312906**

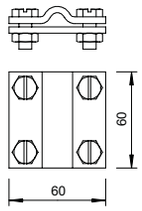
St Steel

FT Hot-dip galvanised

- Meets the requirements of VDE 0185-305-3 (IEC/ EN 62305-3)
- Fit: Rd 8-10 x Rd 8-10
- Fit: Rd 8-10 x FL 30
- Fit: FL 30 x FL 30
- Mounted with 2 hexagonal bolts M8 x 20 (F)

Cross-connector for round conductors and flat conductors DIN





Type	Fit mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
252 8-10XFL30 FT	8-10 x FL30	H/100	25	28.500	**5312655**

St Steel

FT Hot-dip galvanised

- Meets the requirements of VDE 0185-305-3 (IEC/ EN 62305-3)
- Fit: Rd 8-10 x FL 30
- Mounted with 4 hexagonal bolts M8 x 25 and 4 hexagonal nuts M8

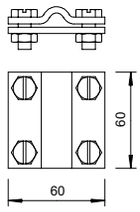
Kompakt Ukraine 2019 / en / 2019/10/18 13:20:50 13:20:50 (LLExport_02599) / 2019/10/18 13:21:06 13:21:06

Always indicate the item number when ordering.

Cross-connector for round conductors and flat conductors

Type	Fit mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
252 8-10xFL30V4A	8-10 x FL30	H/100	10	28.500	**5312656**

A4 Stainless steel, grade 316 Ti





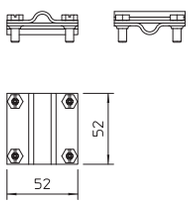
- Meets the requirements of VDE 0185-305-3 (IEC/ EN 62305-3)
- Fit: Rd 8-10 x FL 30
- Mounted with 4 hexagonal bolts M8 x 25 and 4 hexagonal nuts M8

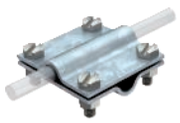
Cross-connector Rd 8–10 mm

Type	Fit mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
251 8-10	Rd 8-10	H/100	25	11.690	**5312035**

St Steel

FT Hot-dip galvanised





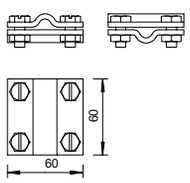
- Meets the requirements of VDE 0185-305-3 (IEC/ EN 62305-3)
- For round conductors, fit: Rd 8-10 x Rd 8-10
- With 4 hexagonal bolts M6 x 16 (VA)

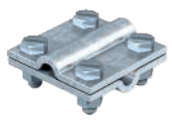
Cross-connector Rd 8–10 mm, wide version

Type	Fit mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
253 8X8	Rd 8-10	H/100	25	30.700	**5312604**

St Steel

FT Hot-dip galvanised





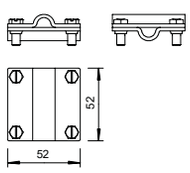
- Meets the requirements of VDE 0185-305-3 (IEC/ EN 62305-3)
- Fit: Rd 8-10 x Rd 8-10 / FL 30
- Mounted with 4 hexagonal bolts M8 x 25 and 4 hexagonal nuts M8 (F)

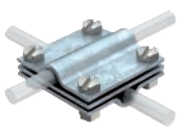
Cross-connector with intermediate plate for Rd 8–10 mm

Type	Fit mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
254 DIN 8-10 FT	Rd 8-10	H/100	25	16.660	**5314038**

St Steel

FT Hot-dip galvanised

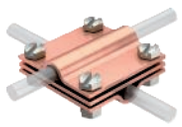


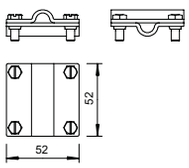


- Meets the requirements of VDE 0185-305-3 (IEC/ EN 62305-3)
- For round conductors, fit: Rd 8-10 x Rd 8-10
- With adapter plate
- Mounted with 4 hexagonal bolts M6 x 20 and 4 hexagonal nuts M6

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Cross-connector with intermediate plate for Rd 8–10 mm



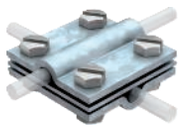


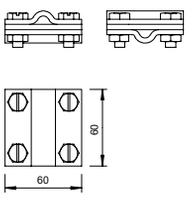
Type	Fit mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
254 DIN 8-10 CU	Rd 8-10	H/100	10	17.410	**5314135**

Cu Copper

- Meets the requirements of VDE 0185-305-3 (IEC/ EN 62305-3)
- Fit: Rd 8-10 x Rd 8-10
- With adapter plate
- Mounted with 4 hexagonal bolts M6 x 20 and 4 hexagonal nuts M6 (F) made of rustproof steel (VA)

Cross-connector with intermediate plate for Rd 8–10 mm, wide version





Type	Fit mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
252 8-10 FT	Rd 8-10	H/100	25	33.530	**5312310**

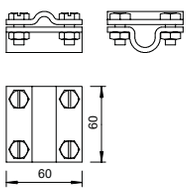
St Steel

FT Hot-dip galvanised

- Meets the requirements of VDE 0185-305-3 (IEC/ EN 62305-3)
- Fit: Rd 8-10 x Rd 8-10 / FL 30
- With adapter plate
- Mounted with 4 hexagonal bolts M8 x 25 and 4 hexagonal nuts M8 (F)

Cross-connector for Rd 8–10 x Rd 16 mm





Type	Fit mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
253 10X16	Rd 8-10 x 16	H/100	25	29.800	**5312809**

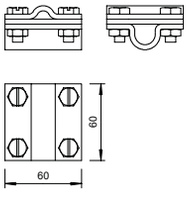
St Steel

FT Hot-dip galvanised

- Meets the requirements of VDE 0185-305-3 (IEC/ EN 62305-3)
- Fit: Rd 8-10 x Rd 16 / FL 30
- Mounted with 4 hexagonal bolts M8 x 25 and 4 hexagonal nuts M8 (F)

Cross-connector with intermediate plate for Rd 8–10 x Rd 16 mm





Type	Fit mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
252 8-10X16 FT	Rd 8-10 x 16	H/100	25	38.800	**5312345**

St Steel

FT Hot-dip galvanised

- Meets the requirements of VDE 0185-305-3 (IEC/ EN 62305-3)
- Fit: Rd 8-10 x Rd 16 / FL 30
- With adapter plate
- Mounted with 4 hexagonal bolts M8 x 25 and 4 hexagonal nuts M8

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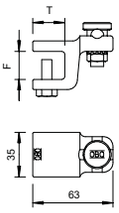
Always indicate the item number when ordering.

Folding and construction clamp, 10–20 mm

Type	Fit mm	Clamping range mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
5004 DIN-FT 12	Rd 8-10	max. 12	N/50	10	18.730	**5304407**

TG Cast iron

FT Hot-dip galvanised





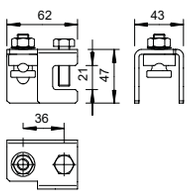
- Flange thickness to 12 or 10–20 mm
- With pre-mounted Fix-Kontakt clamping screw 5000
- 2 hexagonal bolts M8 x 20, screws made of hot galvanised steel,
- Terminal block made of malleable iron, hot galvanised
- Mounting of the round conductors either vertical or transverse to structure
- Corresponds to the requirements of DIN VDE 0185-305-3

Construction clamp to 20 mm

Type	Fit mm	Clamping range mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
5010 20 FT	Rd 8-10	4 - 20	N/50	10	30.600	**5304520**

St Steel

FT Hot-dip galvanised





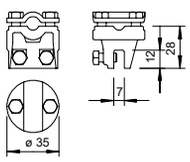
- Mounting of the round conductor possible vertically or transverse to construction
- For fastening to constructions up to a flange thickness of 20 mm
- Fastening to constructions using a hexagonal bolt M10
- Meets the requirements of VDE 0185-305 (IEC 62305)

Folding clamp up to 7 mm plate thickness

Type	Fit mm	Clamping range mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
269 8-10	Rd 8-10	max. 7	N/50	20	14.460	**5317010**

Zn Die-cast zinc

G Electrogalvanised





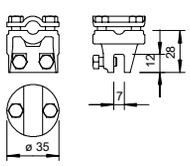
- Plate thickness to 7 mm
- For conductor arrangement transverse and parallel to plate with 4 hexagonal bolts M6 x 16
- Conforms to the requirements according to DIN VDE 0185-305 (IEC 62305)

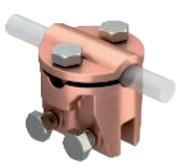
Folding clamp up to 7 mm plate thickness

Type	Fit mm	Clamping range mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
269 MS	Rd 8-10	max. 7	H/100	10	14.480	**5317053**

Zn Die-cast zinc

Cu Copper-plated





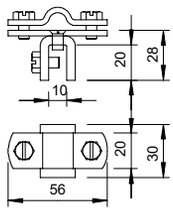
- Plate thickness to 7 mm
- For conductor arrangement transverse and parallel to plate with 4 hexagonal bolts M6 x 16
- Conforms to the requirements according to DIN VDE 0185-305 (IEC 62305)

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Always indicate the item number when ordering.

Folding clamp Rd 8-10 up to 10 mm plate thickness





Type	Fit mm	Clamping range mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
270 8-10 FT	Rd 8-10	max. 10	N/50	20	13.810	**5317207**

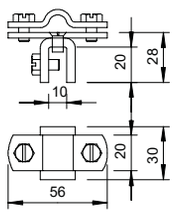
St Steel

FT Hot-dip galvanised

- Metal thickness to 10 mm
- For conductor routing transverse and in parallel to the plate
- Corresponds to the requirements to DIN V VDE V 0185-3 section 4.5

Folding clamp Rd 8-10 up to 10 mm plate thickness





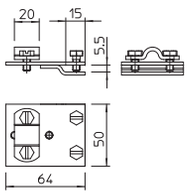
Type	Fit mm	Clamping range mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
270 8-10 CU	Rd 8-10	max. 10	H/100	10	14.740	**5317258**

Cu Copper

- Metal thickness to 10 mm
- For conductor routing transverse and in parallel to the plate
- Corresponds to the requirements to DIN V VDE V 0185-3 section 4.5

Folding clamp up to 5 mm plate thickness





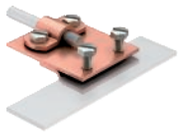
Type	Fit mm	Clamping range mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
271 8-10	Rd 8-10	max. 5	N/50	20	14.060	**5317401**

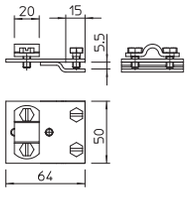
St Steel

FT Hot-dip galvanised

- Plate thickness to 5 mm
- For conductor routing transverse and longitudinal to plate
- With 4 hexagonal bolts M6 x 12
- Conforms to the requirements according to DIN VDE 0185-305 (IEC 62305)
- 271 Cu: with hexagonal bolts stainless steel (VA)

Folding clamp up to 5 mm plate thickness





Type	Fit mm	Clamping range mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
271 CU	Rd 8-10	max. 5	N/50	10	15.230	**5317452**

Cu Copper

- Plate thickness to 5 mm
- For conductor routing transverse and longitudinal to plate
- With 4 hexagonal bolts M6 x 12
- Conforms to the requirements according to DIN VDE 0185-305 (IEC 62305)
- 271 Cu: with hexagonal bolts stainless steel (VA)

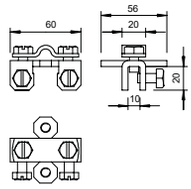
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Always indicate the item number when ordering.

Folding clamp up to 10 mm plate thickness

Type	Fit mm	Clamping range mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
273 CU	Rd 8-10	max.10	N/50	10	18.500	**5317274**

Cu Copper





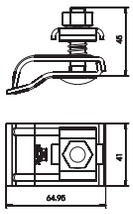
- Plate thickness to 10 mm
- Conductor routing transverse and longitudinal to plate with 2 hexagonal bolts M8 x 10 and 2 hexagonal bolts M8 x 16 (F)
- 273 Cu: with hexagonal bolts, stainless steel (VA)

Gutter clamp RK-FIX

Type	Fit mm	Material symbol	Inter-face	Pack. pcs	Weight kg/100 pcs.	Item No.
RK-FIX	2 x Rd 8	St	FT	25	19.100	**5316450**

St Steel

FT Hot-dip galvanised





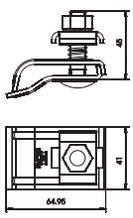
- For up to 2 conductors Rd 8
- With double crossbar
- Suitable for all bead thicknesses (15–25 mm)
- With 1 truss-head bolt M10 x 45
- Nut and bolt made of VA stainless steel
- With spring for prefixing for rain gutter

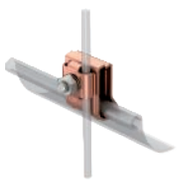
Gutter clamp RK-FIX

Type	Fit mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
RK-FIX CU	2 x Rd 8	H/100	10	21.000	**5316468**

A2 Stainless steel, grade 304

Cu Copper-plated





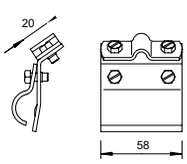
- For up to 2 conductors Rd 8
- With double crossbar
- Suitable for all bead thicknesses (15–25 mm)
- With 1 truss-head bolt M10 x 45
- Nut and bolt made of VA stainless steel
- With spring for prefixing for rain gutter
- Tested to DIN EN 50164-1

Gutter clamp for bead thickness 15–22 mm

Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
262 A-DIN FT	Rd 8-10	25	19.610	**5316219**

St Steel

FT Hot-dip galvanised





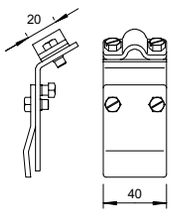
- Suitable for bulge thickness 15–22 mm
- With 4 hexagonal bolts M6 x 16 (VA)

Roof gutter clamp for all bead thicknesses

Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
262	Rd 8-10	25	20.300	**5316014**

St Steel

FT Hot-dip galvanised

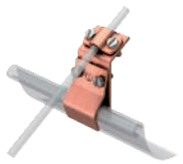


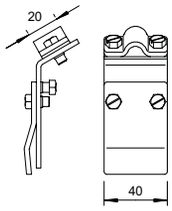


- With 4 hexagonal bolts M6 x 16
- Fits all bead thicknesses

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Roof gutter clamp for all bead thicknesses





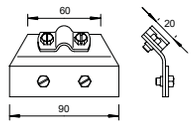
Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
262 CU	Rd 8-10	10	20.940	**5316154**

Cu Copper

- With 4 hexagonal bolts M6 x 16
- Fits all bead thicknesses

Snow catching grate clamp





Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
264	Rd 8-10	25	18.640	**5316510**

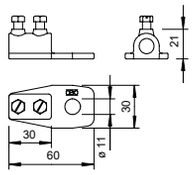
St Steel

F Hot-dip galvanised

- Plate thickness to 8 mm
- With 4 hexagonal bolts M6 x 16

End piece





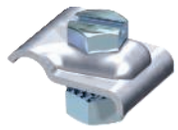
Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
280 8-10	Rd 8-10	20	6.300	**5320011**

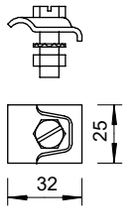
Zn Die-cast zinc

G Electrogalvanised

- With Ø 11 mm attaching hole
- 2 hexagonal bolts M6 x 12, bolts hot-dip galvanised steel or VA
- Clamping element from die-cast zinc or copper-plated die-cast zinc

Universal clamping block Rd 8–10 mm





Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
324 S-FT	Rd 8-10	20	3.400	**5326303**

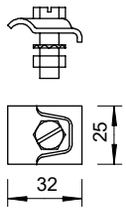
St Steel

FT Hot-dip galvanised

- Including hexagonal bolt M8 x 25, washer and nuts

Universal clamping block Rd 8–10 mm



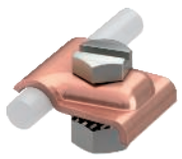


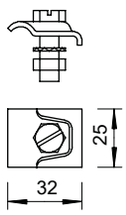
Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
324 S-VA	Rd 8-10	10	3.400	**5326311**

A2 Stainless steel, grade 304

- Including hexagonal bolt M8 x 25, washer and nuts

Universal clamping block Rd 8–10 mm





Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
324 S-CU	Rd 8-10	10	3.660	**5326338**

Cu Copper

- Including hexagonal bolt M8 x 25, washer and nuts

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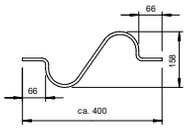
Always indicate the item number when ordering.

Expansion piece

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
172 AR	10	7.500	**5218926**

Alu Aluminium

- For equalising temperature-related length changes
- Necessary on conductor lengths over 20 m
- From round conductor Rd 8-Al



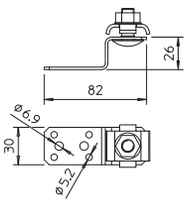


Connection component

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
287	20	1.600	**5320704**

Alu Aluminium

- With 1 attaching hole Ø 11 mm
- 4 mounting holes Ø 5.2 mm
- 2 mounting holes Ø 6.9 mm



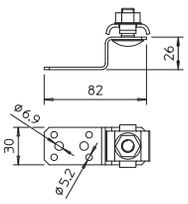


Connection component with double crossbar

Type	Fit mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
287 DCT	Rd 6 - 8	N/50	10	6.450	**5320707**

Alu Aluminium

- Conforming to VDE 0185-305 (IEC 62305) standards
- Quick mounting thanks to an M10x30 screw from rustproof stainless steel
- 4 mounting holes Ø 5.2 mm
- 2 mounting holes Ø 6.9 mm



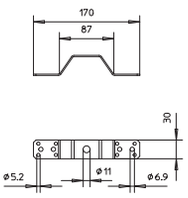


Connection and bridging component

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
288 DIN	20	2.900	**5320712**

Alu Aluminium

- With 1 attaching hole Ø 11 mm
- With 2 x 4 mounting hole Ø 5.2 mm
- With 2 x 2 mounting hole Ø 6.9 mm



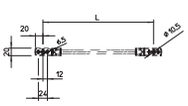


Bridging cable

Type	Dimension L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
853 300	300	10	7.260	**5331013**

Cu Copper

- From flexible copper cable 16 mm²
- Coating: black, chlorinated India rubber mixture
- With 1 mounting hole Ø 10.5 mm per attachment side
- With 2 mounting holes Ø 7.3 mm per attachment side
- For applications outside or inside suitable

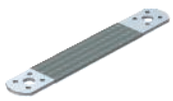


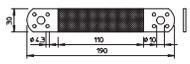


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Always indicate the item number when ordering.

Connection and expansion strip





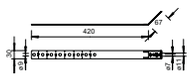
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
856	10	8.125	**5331501**

Cu Copper

- Copper strip 35 mm², tin-plated
- Highly flexible with rigid ends
- Each end with 1 fastening hole Ø 10 mm and 4 fastening holes Ø 4.3 mm

Universal downspout clamp 60–130 mm





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
301 V	5	11.900	**5350867**

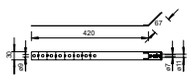
St Steel

FS Strip-galvanised

- Adjustable for pipes from 60-130 mm
- With 2x attaching holes Ø 7 mm
- With 1x attaching hole Ø 9 mm
- With 1x attaching hole Ø 11 mm
- Including hexagonal bolt M6 x 20 and nuts M6

Universal downspout clamp 60–130 mm



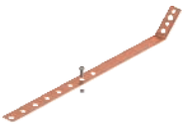


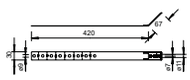
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
301 V-VA	5	11.800	**5350905**

A2 Stainless steel, grade 304

- Adjustable for pipes from 60-130 mm
- With 2x attaching holes Ø 7 mm
- With 1x attaching hole Ø 9 mm
- With 1x attaching hole Ø 11 mm
- Including hexagonal bolt M6 x 20 and nuts M6

Universal downspout clamp 60–130 mm





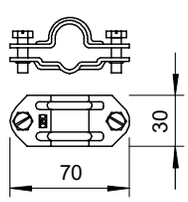
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
301 V-CU	5	13.500	**5350883**

Cu Copper

- Adjustable for pipes from 60-130 mm
- With 2x attaching holes Ø 7 mm
- With 1x attaching hole Ø 9 mm
- With 1x attaching hole Ø 11 mm
- Including hexagonal bolt M6 x 20 and nuts M6

Universal separating piece





Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
226 8-10	Rd 8-10/FL30 x 16	20	8.600	**5336007**

St Steel

FT Hot-dip galvanised

- For fitting round conductors Rd 8–10 to Rd 16 or flat conductors FL30
- Including 2 hexagonal bolts M8 x 20 high-grade stainless steel (V2A)
- Conforms to the requirements according to VDE 0185-305 (IEC 62305)

Always indicate the item number when ordering.

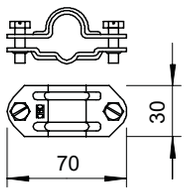
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Universal separating piece

Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
226 VA	Rd 8-10/FL30 x 16	10	8.700	**5336058**

A2 Stainless steel, grade 304

- For fitting round conductors Rd 8–10 to Rd 16 or flat conductors FL30
- Including 2 hexagonal bolts M8 x 20 high-grade stainless steel (V2A)
- Conforms to the requirements according to VDE 0185-305 (IEC 62305)



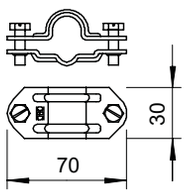


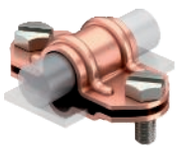
Universal separating piece

Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
226 CU	Rd 8-10/FL30 x 16	10	9.700	**5336023**

Cu Copper

- For fitting round conductors Rd 8–10 to Rd 16 or flat conductors FL30
- Including 2 hexagonal bolts M8 x 20 high-grade stainless steel (V2A)
- Conforms to the requirements according to VDE 0185-305 (IEC 62305)



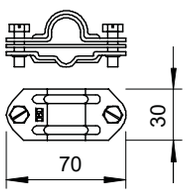


Universal bi-metal separating piece

Type	Fit mm	Material upper part	Material lower part	Pack. pcs	Weight kg/100 pcs.	Item No.
226 ZV VA	Rd 8-10/FL30 x 16	VA	Cu	10	11.000	**5336074**

Cu Copper

- Fit: Rd 8-10 x 16, FL 30 x Rd 16
- With 2 hexagonal bolts M8 x 20, stainless steel (VA)
- Intermediate plate, aluminium/copper





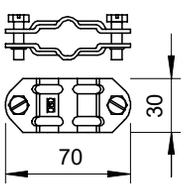
Separating piece for Rd 8–10 and FL 30 mm

Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
233 8	Rd 8-10/FL30 x Rd 8-10/FL30	20	8.200	**5336309**

St Steel

FT Hot-dip galvanised

- To fit round conductors Rd 8-10 or flat conductors FL 30
- With 2 hexagonal bolts M8 x 20 made of rustproof steel (VA)
- Short-circuit current Ik (50 Hz), time 0.6 s, temp. max. 300 °C: 8.5 kA



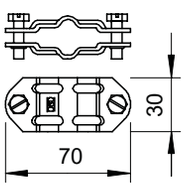


Separating piece for Rd 8–10 and FL 30 mm

Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
233 VA	Rd 8-10/FL30 x Rd 8-10/FL30	10	8.300	**5336341**

A2 Stainless steel, grade 304

- For fitting round conductors Rd 8-10 or flat conductors FL 30
- With 2 hexagonal bolts M8 x 20, stainless steel (VA)



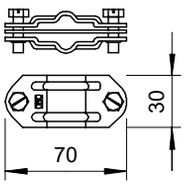


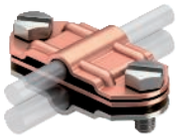
Bi-metal separating piece for Rd 8–10 and FL 30 mm

Type	Fit mm	Material upper part	Material lower part	Pack. pcs	Weight kg/100 pcs.	Item No.
233 ZV	Rd 8-10/FL30 x Rd 8-10/FL30	Cu	VA	10	10.100	**5336376**

A2 Stainless steel, grade 304

- For fitting round conductors Rd 8-10 to flat conductors FL 30
- With 2 hexagonal bolts M8 x 20, stainless steel (VA)
- Intermediate plate aluminium/copper, top section copper, bottom section stainless steel





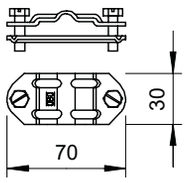
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Always indicate the item number when ordering.

Connection and separating terminals

Separating piece for Rd 8–10 and FL 30–40 mm



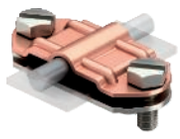


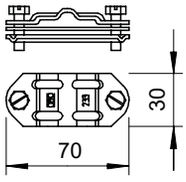
Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
233 A VA	8-10xFL30-40	10	8.300	**5336457**

A2 Stainless steel, grade 304

- Fit: Rd 8-10 x FL 30-40
- With 2 hexagonal bolts M8 x 20 (VA)

Bi-metal separating piece for Rd 8–10 and FL 30–40 mm





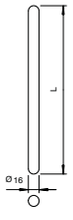
Type	Fit mm	Material upper part	Material lower part	Pack. pcs	Weight kg/100 pcs.	Item No.
233 A ZV	Rd 8-10 x FL30-40	Cu	VA	10	10.400	**5336503**

Cu Copper

- Fit: Rd 8-10 x FL 30-40, FL 30 x FL 30-40
- With 2 hexagonal bolts M8 x 20, stainless steel (VA)
- Intermediate plate, aluminium/copper
- Top section copper, bottom section stainless steel

Earth entries

Air-termination/earth entry rod, rounded-off on both ends



Type	Length mm	Nominal size Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
101 A-CU	1500	16	10	272.100	**5400627**

Cu Copper

- Full material Ø 16 mm
- Both ends rounded

Earth entry rod, tapered and partially insulated



Type	Length mm	Nominal size Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
204 KS-2000	2000	16/10	1	230.000	**5430011**
204 KS-2500	2500	16/10	1	310.000	**5430062**

St Steel

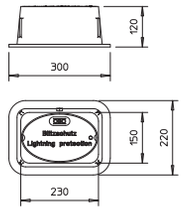
F Hot-dip galvanised

- 16 mm earth entry with 10 mm connection
- With mounted heat-shrinkable sleeve (corrosion protection)

Accessories

Underfloor test box





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
5700	1	720.000	**5106002**

EN-GJL Cast iron

- Without base
- Cast iron, painted black
- Without cut-off unit
- To VDE 0185-561-5 (IEC 62561-5) suitable for heavy loads (up to 40 kN/ 4.0 t)

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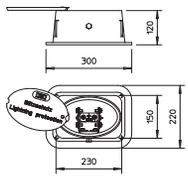
Always indicate the item number when ordering.

Inspection pit with integrated separation piece

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
5700 SP	1	770.000	**5106003**

EN-GJL Cast iron

- Without base
- Cast iron, painted black
- With built-in cut-off unit for round conductors Rd 8-10 and flat conductors to FL 40
- To VDE 0185-561-5 (IEC 62561-5) suitable for heavy loads (up to 40 kN/ 4.0 t)





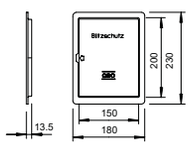
Inspection door

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
5800 VZ	1	46.000	**5106133**

St Steel

FS Strip-galvanised

- Lightweight design for flush-mounted separation points
- Claw length approx. 80 mm



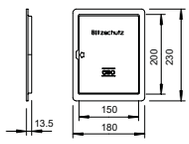


Inspection door

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
5800 VA	1	46.000	**5106141**

A2 Stainless steel, grade 304

- Lightweight design for flush-mounted separation points
- Claw length approx. 80 mm





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Always indicate the item number when ordering.

Insulated lightning protection and the OBO isCon system

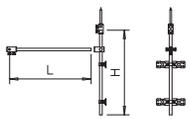


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Always indicate the item number when ordering.

Insulated lightning protection set, 3-corner fastening

Type	Dimension D Ø mm	Dimension L mm	Dimension H mm	Pack. pcs	Weight kg/100 pcs.	Item No.
101 3-ES-16	16	750	1500	1	207.100	**5408976**



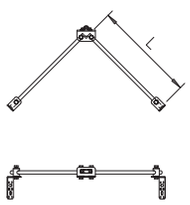


3-corner fastening for an insulated air-termination unit at the separating distance s.

- Mounting on walls and roof structures with two fastening plates
- For maintenance of the separation distance to electrically conductive parts according to VDE 0185-305-3 (IEC 62305-3)
- Acceptance of air-termination rods and round conductors with 8, 16 and 20 mm diameter
- UV-stabilised and weatherproof
- Continuous temperature range -50 °C to +100 °C
- Material factor km = 0.7

Insulated lightning protection set, V fastening

Type	Dimension D Ø mm	Dimension L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
101 VS-16	16	750	1	201.800	**5408978**



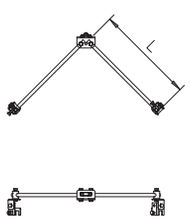


V fastening for an insulated air-termination unit at the separating distance s.

- Mounting on walls and roof structures with two wall connection brackets
- For maintenance of the separation distance to electrically conductive parts according to VDE 0185-305-3 (IEC 62305-3)
- Acceptance of air-termination rods and round conductors with 8, 16 and 20 mm diameter
- UV-stabilised and weatherproof
- Continuous temperature range -50 °C to +100 °C
- Material factor km = 0.7

Insulated lightning protection set, IR fastening

Type	Dimension D Ø mm	Dimension L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
101 FS-16	16	750	1	235.500	**5408980**





Fold fastening for an insulated air-termination unit at the separating distance s.

- Mounting on folds with a thickness of up to 20 mm
- For maintenance of the separation distance to electrically conductive parts according to VDE 0185-305-3 (IEC 62305-3)
- Acceptance of air-termination rods and round conductors with 8, 16 and 20 mm diameter
- UV-stabilised and weatherproof
- Continuous temperature range -50 °C to +100 °C
- Material factor km = 0.7

Insulating rod

Type	Nominal size Ø mm	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
101 20-3000	20	3000	5	190.000	**5408105**

GFK Fibre-glass-reinforced plastic

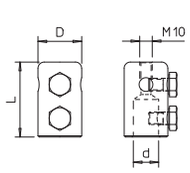


- For the erection of insulated air-termination systems to VDE 0185-305 (IEC 62305)
- UV-stabilised and weatherproof
- Continuous temperature range -50 °C to +100 °C
- Material factor km = 0.7

End piece

Type	Dimension d Ø mm	Length mm	Dimension D Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
101 IES	20	60	35	10	20.000	**5408393**

Alu Aluminium





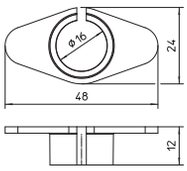
- End piece for attaching round conductors Rd 8-10 and air-termination tips, type 101 ISP
- With M10 internal thread, e.g. for mounting a Vario quick connector for fixed conductor routing at intersections
- With M10 bolts

Always indicate the item number when ordering.

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FangFix reducing sleeve





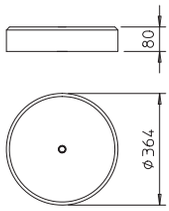
Type	Colour	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
101 RH-16	Black	16	25	0.187	**5408101**

PA Polyamide

Reduces the drill hole of the FangFix block from Ø 20 mm to Ø 16 mm. Suitable for the installation of GFK insulating rods of Ø 16 mm.

Concrete block for FangFix-System 16 kg





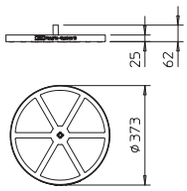
Type	Nominal size Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
F-FIX-S16	365	1	1,700.000	**5403227**

BET Concrete

- 16 kg stone of Ø 365 mm, high level of stability
- Frost-resistant concrete
- Stackable

Base for FangFix system 16 kg





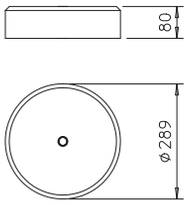
Type	Nominal size Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
F-FIX-B16	373	10	16.400	**5403235**

PP Polypropylene

Edge protection with integrated dowel (basic) suitable for FangFix system.

Concrete block for FangFix system 10 kg





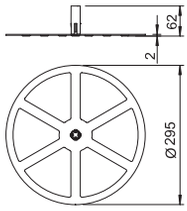
Type	Nominal size Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
F-FIX-S10	289	1	1,000.000	**5403117**

BET Concrete

- 10 kg stone of Ø 289 mm, high level of stability
- Frost-resistant concrete
- Stackable

Base for FangFix system 10 kg





Type	Nominal size Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
F-FIX-B10	295	10	7.600	**5403124**

PP Polypropylene

Edge protection with integrated dowel (basic) suitable for FangFix 10 kg system.

Adjustable insulating beam – wall





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
ISAV1000W	1	130.000	**5408852**

GFK Fibre-glass-reinforced plastic

Variable spacer for conductors and air-termination rods to maintain the separation distance.

- Infinitely adjustable distance range (L = 550–1,000 mm)
- Made of fibre-glass-reinforced plastic (km = 0.7)
- For wall mounting with 10 fastening holes (4.2 mm) and 4 fastening holes (6.9 mm)

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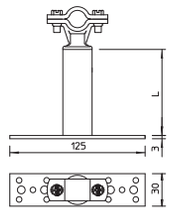
Always indicate the item number when ordering.

Insulated spacer

Type	Length mm	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
ISO-A-500	500	Rd 16	15	36.000	**5408806**
ISO-A-800	800	Rd 16	15	55.000	**5408814**

Alu Aluminium

- Mounting foot with 10 connection holes Ø 6.5 mm and 4 connection holes Ø 8.5 mm
- Type ...150 8 with holder suitable for round conductor RD 8
- Application for shelters, e.g. golf, barbecue or mountain huts





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Always indicate the item number when ordering.

The plus of the isCon® system

+ Unique structure
+ Equivalent separation distance ≤ 0.90 m (air) or ≤1.8 m (solid material)
+ isCon® air-termination rods fulfil the requirements to Eurocode + system test according to IEC TS 62564-8
+ Suitable for all lightning protection classes
+ Satisfies requirements according to VDE 0185-561-1/-2/-8
+ Satisfies requirements according to IEC 62561-1/-2/-8



isCon® lightning protection

Insulated conductors are used in the field of external lightning protection to reduce or avoid the separation distance according to VDE 0185-305 (IEC 62305). isCon® creates an equivalent separation distance of 0.90 m in air.
In contrast to standard shielded medium-voltage conductors with a metallic shield, insulated down-conductors possess a weakly conductive jacket for field control, de-energising the high voltage in the area of the supply point. This thus prevents arcing via the conductor jacketing of the insulated conductor.
After the first potential connection of the conductor jacket, the insulated conductor secures the specified equivalent separation distance.

The insulated air-termination rods protect electrical and metallic roof structures, taking the calculated separating distance (s) according to VDE 0185-305-3 (IEC 62305-3) into account. An insulated section of 1.5 metres made of fibre-glass reinforced plastic (GFK) ensures sufficient distance to all roof structures. Even complex building structures can be protected by the comprehensive system accessories.

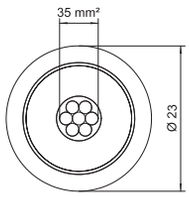
The three-part aluminium and GRP air-termination rod with its insulated structure allows the isCon® conductor (black and light grey) to be routed inside the air-termination rod. Combining a perfect appearance with perfect functionality, it offers the following advantages:

- Tidy appearance through internal isCon® conductor
- 4 variants: 4 m to 10 m height
- Including connection element and potential connection in the rod
- For freestanding installation, can be combined with isFang air-termination rod stand with side exit

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Always indicate the item number when ordering.

isCon® conductor, professional plus black



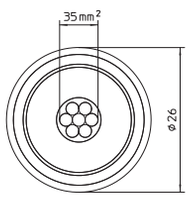


Type	Cross-section mm²	Nominal size Ø mm	Equivalent separation distance m	Pack. m	Weight kg/100 m	Item No.
isCon Pro+ 75 SW	35	23	0.75	25	69.400	**5408002**
isCon Pro+ 75 SW	35	23	0.75	100	69.400	**5408004**

Please refer to the mounting instructions for information on routing the OBO isCon® conductor.

- Highly voltage-resistant, insulated conductor
- Floating discharge-free
- Additional mechanical protection (black protective jacket)
- For maintenance of the separation distance according to IEC 62305 (VDE 0185-305-3)
- Tested according to IEC/EN 62561-1 (VDE 0185-561-1) with H1/150 kA
- Equivalent separation distance se ≤ 0.75 m (air) and se ≤ 1.5 (solid material)
- Tested according to IEC TS 62561-8 (VDE V 0185-561-8)
- Halogen-free
- Fire load 4.3 kWh/m
- Can be used in potentially explosive areas Ex zone 1/2 and 21/22 when taking the current mounting instructions into account

isCon® conductor, professional plus light grey



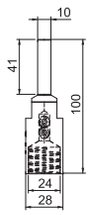


Type	Cross-section mm²	Nominal size Ø mm	Equivalent separation distance m	Pack. m	Weight kg/100 m	Item No.
isCon Pro+ 75 GR	35	26	0.75	25	86.800	**5407995**

Please refer to the mounting instructions for information on routing the OBO isCon® conductor.

- Highly voltage-resistant, insulated conductor
- Floating discharge-free
- Additional mechanical protection (double protective jacket)
- For maintenance of the separation distance according to IEC 62305 (VDE 0185-305-3)
- Tested according to IEC/EN 62561-1 (VDE 0185-561-1) with H1/150 kA
- Equivalent separation distance se ≤ 0.75 m (air) and se ≤ 1.5 (solid material)
- Tested according to IEC TS 62561-8
- Halogen-free
- Fire load 5.1 kWh/m
- Protection against contact voltage under sprinkling (VDE 0432-1 (IEC/EN 60060-1)
- Can be used in potentially explosive areas Ex zone 1/2 and 21/22 when taking the current mounting instructions into account

IsCon® Connection element





Type	Dimension D Ø mm	Fit mm	Lightning current carrying capacity kA	Pack. pcs	Weight kg/100 pcs.	Item No.
isCon connect	23	10	H1/150	2	21.500	**5408022**

A2 Stainless steel, grade 304

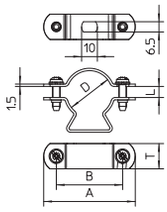
- Screw-on termination of the connection for the isCon® conductor
- Incl. heat-shrinkable sleeve, hexagonal
- Tested up to 200 kA (lightning protection class I)

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Always indicate the item number when ordering.

VA cable bracket for isCon® conductor for mounting on roof/wall structures





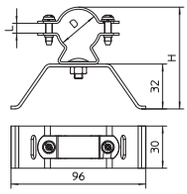
Type	Dimension D Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
isCon H VA	21 - 23	50	2.850	**5408056**
isCon H 26 VA	26	20	3.400	**5408064**

A2 Stainless steel, grade 304

- For isCon® conductor for mounting on roof/wall structures
- With sprung discs to protect the screws against loosening

VA cable bracket with tightening strap





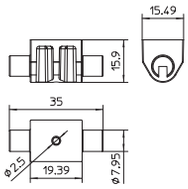
Type	Dimension D Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
isCon HS VA	23	10	25.200	**5408052**
isCon HS 26 VA	26	10	25.900	**5408068**

A2 Stainless steel, grade 304

- For isCon® conductor for pipe mounting
- Including 2 m tightening strap
- Cable bracket with sprung discs to protect the screws against loosening

Universal flat conductor adapter for roof conductor holder, type 165/MBG





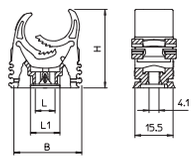
Type	Colour	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
165 MBG UH	Black	Rd 8	25	0.254	**5218882**

PP Polypropylene

- Universal adapter with drill hole Ø 2.5 mm
- E.g. for OBO Golden Sprint screw, type 4758 4 x L (L = depending on application)
- For fastening to 165/MBG

Multi-Quick clip, metric





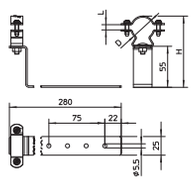
Type	Clamping range D mm	Pull-out value N	Colour	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
M-Quick M32 LGR	25 - 32	60	Light grey	600	50	1.390	**2153734**

PA Polyamide

- Multi-quick metric
- Simple fastening
- Secure locking
- Radial arrangement
- Simplified storage
- Universally applicable

VA roof conductor holder, sloping roof





Type	Installation height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
isCon H280 VA	55	25	16.100	**5408047**
isCon H280 26 VA	55	25	16.900	**5408074**

A2 Stainless steel, grade 304

- For routing of the isCon® conductor on pitched roofs
- Cable bracket with sprung discs to protect the screws against loosening

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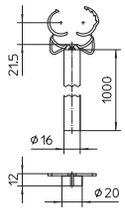
Always indicate the item number when ordering.

Spacer

Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
isCon DH	23 - 26	2	41.400	**5408043**

GFK Fibre-glass-reinforced plastic

For stand-off installation of the isCon® conductor in the area of the connection, incl. reducing sleeve for mounting on FangFix concrete block 10 Kg.





OBO isCon® system

isFang, insulated air-termination rod for inner-routed isCon® conductor with side exit

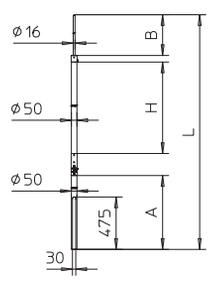
Type	Dimension D Ø mm	Dimension A mm	Dimension H mm	Dimension B mm	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
isFang IN-A 4000	50	1325	1500	1000	4000	1	535.000	**5408938**
isFang IN-A 6000	50	3325	1500	1000	6000	1	835.000	**5408940**
isFang IN-A 8000	50	5335	1500	1000	8000	1	1,385.000	**5408888**
isFang IN-A10000	50	6000	1733	2000	10000	1	1,540.000	**5408890**

GFK Fibre-glass-reinforced plastic

- For installation of the OBO isCon® Pro+ conductor in the pipe
- With side conductor outlet matching isFang air-termination rod stand with side outlet, type isFang 3B-A
- Suitable for wind loads according to Eurocode 1: DIN EN 1991-1-4
- Inclusive connection element (type isCon IN connect)
- Inclusive potential connection (type IsCon In PAE)



Dimensions

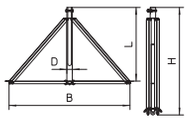


Always indicate the item number when ordering.

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isFang air-termination rod stand with side exit





Type	Dimension B mm	Dimension D Ø mm	Dimension L mm	Dimension H mm	Pack. pcs	Weight kg/100 pcs.	Item No.
isFang 3B-150-A	1500	50	900	1275	1	950.000	**5408932**
isFang 3B-250-A	2900	50	1450	2055	1	2,500.000	**5408902**

A2 Stainless steel, grade 304

- Screwless installation of freestanding air-termination rods as well as insulated air-termination rods with 50 mm diameter
- E.g. for internal OBO isCon® conductor
- Roof slope to max. 5 degrees
- Incl. Rd 8–10 crossbar for quick round conductor fastening
- Concrete plinths as well as threaded rods should be ordered separately

OBO isCon® system

Insulated air-termination rod

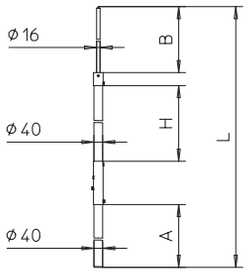


Type	Dimension A mm	Dimension H mm	Dimension B mm	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
isFang 4000 AL	1240	1500	1000	4000	1	580.000	**5408943**
isFang 6000 AL	3340	1500	1000	6000	1	600.000	**5408947**
isFang 4000	1240	1500	1000	4000	1	680.000	**5408942**
isFang 6000	3340	1500	1000	6000	1	680.000	**5408946**

GFK Fibre-glass-reinforced plastic

- For isolated creation of air-termination systems
- Suitable for isFang air-termination rod stands, type isFang 3B-100/150
- Suitable for wind loads according to Eurocode 1: DIN EN 1991-1-4
- For mounting on the building structure with isFang support
- Fastening of the OBO isCon® conductor possible using accessories
- Suitable for internally and externally routed isCon® conductor

Dimensions



Always indicate the item number when ordering.

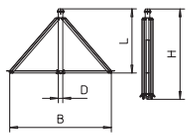
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isFang air-termination rod stand

Type	Dimension B mm	Dimension D Ø mm	Dimension L mm	Dimension H mm	Pack. pcs	Weight kg/100 pcs.	Item No.
isFang 3B-100 AL	1000	40	600	885	1	380.000	**5408966**
isFang 3B-150 AL	1500	40	900	1275	1	560.000	**5408967**
isFang 3B-100	1000	40	600	885	1	620.000	**5408968**
isFang 3B-150	1500	40	900	1275	1	950.000	**5408969**

A2 Stainless steel, grade 304 Alu Aluminium

Folding tripod stand for screwless installation of free-standing air-termination rods with a diameter of 40 mm, e.g. for OBO isCon® conductors. Roof slope to max. 5 degrees. Incl. Rd 8–10 crossbar for rapid round conductor fastening. The concrete plinth and threaded rods are to be ordered separately.



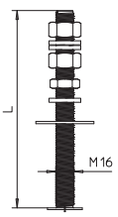


isFang-3B threaded rod

Type	Dimension L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
isFang 3B-G1	270	3	48.000	**5408971**
isFang 3B-G2	340	3	60.400	**5408972**
isFang 3B-G3	430	3	69.500	**5408973**
isFang 3B-G4	500	3	75.000	**5408905**

A2 Stainless steel, grade 304

- For fastening on one, two, three or four FangFix concrete bases with tripod stand



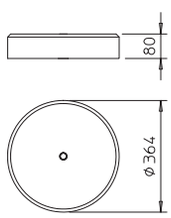


Concrete block for FangFix-System 16 kg

Type	Nominal size Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
F-FIX-S16	365	1	1,700.000	**5403227**

BET Concrete

- 16 kg stone of Ø 365 mm, high level of stability
- Frost-resistant concrete
- Stackable



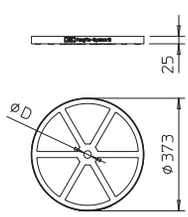


Base for FangFix system 16 kg for mounting the isFang tripod

Type	Nominal size Ø mm	Dimension D Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
F-FIX-B16 3B	373	25	10	15.800	**5403238**

PP Polypropylene

- Edge protection with through hole
- For mounting isFang-3B threaded rod and FangFix concrete block F-FIX-S16



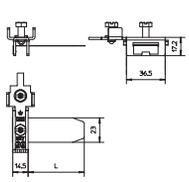


Potential connection clamp for mounting on isFang

Type	Fit mm	Pack. pcs	Weight kg/100 pcs.	Item No.
927 2 6-K	3/8-4mm	10	5.500	**5057599**

A2 Stainless steel, grade 304

Potential connection for isCon® conductor for mounting on insulated air-termination rods of type isFang.

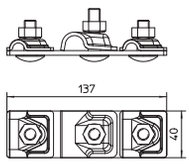




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Connection plate for two isCon® conductors





Type	Dimension	Pack. pcs	Weight kg/100 pcs.	Item No.
isCon AP2-16 VA	16x8-10mm	1	39.500	**5408028**

A2 Stainless steel, grade 304

Connection plate to connect two isCon® conductors with air-termination rod Ø 16 mm, tested up to 150 kA (lightning protection class II)

Cable tie, black, UV and weather-resistant



Type	Dimension B mm	Dimension L mm	Dimension t mm	Max. bundle Ø mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
565 7.6x380 SWUV	7.6	380	1.8	105	Black	100	0.533	**2331924**

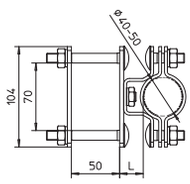
PA Polyamide

Cable ties are used for quick, uncomplicated fixing or bundling of cables and pipes to cable support systems or other mounting structures.

OBO isCon® system

isFang support for corner pipe mounting, 50 x 50 mm





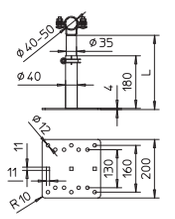
Type	Dimension D Ø mm	Dimension L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
isFang TS50x50	–	30	2	82.000	**5408964**

A2 Stainless steel, grade 304

Fastening clip to fasten the insulated support pipes on the structure to be protected or for construction-side corner pipes of 50x50 mm.

isFang support for wall mounting, 200–300 mm spacing





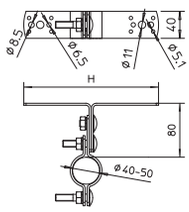
Type	Dimension L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
isFang TW200	300	2	230.000	**5408954**

A2 Stainless steel, grade 304

Fastening clip to fasten the insulated support pipes on the structure to be protected or on the wall.

isFang support for wall mounting, 80 mm spacing





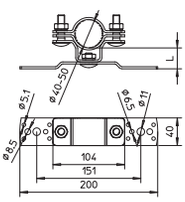
Type	Dimension L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
isFang TW80	80	2	63.000	**5408950**

A2 Stainless steel, grade 304

Fastening clip to fasten the insulated support pipes on the structure to be protected or on the wall.

isFang support for wall mounting, 30 mm spacing





Type	Dimension L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
isFang TW30	30	2	62.000	**5408952**

A2 Stainless steel, grade 304

Fastening clip to fasten the insulated support pipes on the structure to be protected or on the wall.

Always indicate the item number when ordering.

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isFang, insulated air-termination rod for inner-routed isCon® conductor Professional Plus



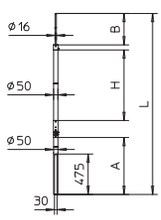
Type	Dimension D Ø mm	Dimension A mm	Dimension H mm	Dimension B mm	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
isFang IN 4000	50	1325	1500	1000	4000	1	535.000	**5408934**
isFang IN 6000	50	3325	1500	1000	6000	1	835.000	**5408936**
isFang IN 8000	50	5335	1500	1000	8000	1	1,315.000	**5408868**
isFang IN 10000	50	6000	1733	2000	10000	1	1,540.000	**5408870**

GFK Fibre-glass-reinforced plastic

- For installation of the OBO isCon® Pro+ conductor in the pipe
- For mounting on the building structure with isFang support
- Suitable for wind loads according to Eurocode 1: DIN EN 1991-1-4
- Inclusive connection element (type isCon IN connect)
- Inclusive potential connection (type IsCon In PAE)

isFang, insulated air-termination rod for inner-routed isCon® conductor with side exit





Type	Dimension D Ø mm	Dimension A mm	Dimension H mm	Dimension B mm	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
isFang IN-A 4000	50	1325	1500	1000	4000	1	535.000	**5408938**
isFang IN-A 6000	50	3325	1500	1000	6000	1	835.000	**5408940**
isFang IN-A 8000	50	5335	1500	1000	8000	1	1,385.000	**5408888**
isFang IN-A10000	50	6000	1733	2000	10000	1	1,540.000	**5408890**

GFK Fibre-glass-reinforced plastic

- For installation of the OBO isCon® Pro+ conductor in the pipe
- With side conductor outlet matching isFang air-termination rod stand with side outlet, type isFang 3B-A
- Suitable for wind loads according to Eurocode 1: DIN EN 1991-1-4
- Inclusive connection element (type isCon IN connect)
- Inclusive potential connection (type IsCon In PAE)

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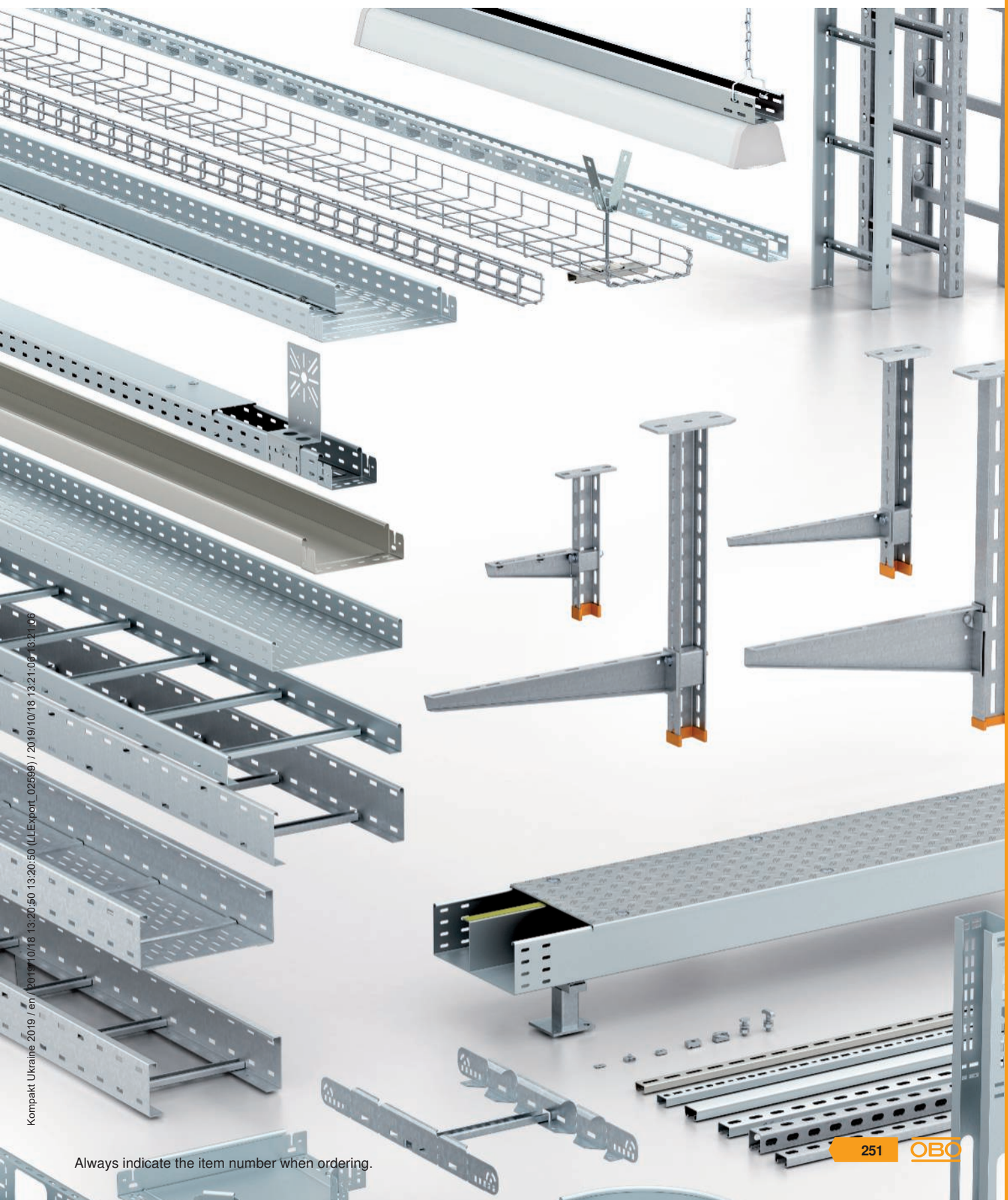
Always indicate the item number when ordering.



Always indicate the item number when ordering.

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Cable support systems



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Always indicate the item number when ordering.



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TP wall and ceiling bracket

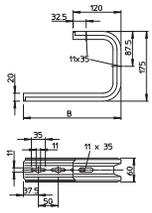
Type	For width mm	F in kN ceiling kN	F in kN Wall kN	Pack. pcs	Weight kg/100 pcs.	Item No.
TPD 145 FS	100	1.3	1.4	6	48.000	**6363806**
TPD 245 FS	200	0.8	0.87	5	66.000	**6363814**
TPD 345 FS	300	0.5	0.55	5	78.000	**6363822**
TPD 445 FS	400	0.35	0.45	5	93.300	**6363826**
TPD 545 FS	500	0.25	0.35	5	107.000	**6363829**

St Steel

FS Strip-galvanised

Important! If the ceiling bracket is fastened directly to the wall or ceiling, then, for reasons of stability, always use the spacer, type DS 4.
Max. side height of the cable support system 60 mm.

TP wall and ceiling bracket for universal use.



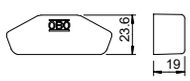


End cap

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
TPS KS OR	Pastel orange	10	0.569	**6364625**

PE Polyethylene

End cap to cover ends of TP supports.





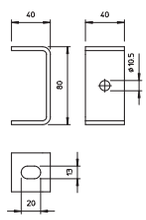
Ceiling bracket

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
DB FT	20	16.000	**6356109**

St Steel

FT Hot-dip galvanised

Ceiling bracket for threaded rod suspension.





Ceiling bracket, trapezoidal

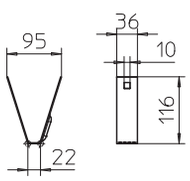
Type	Material thickness mm	F in kN kN	Pack. pcs	Weight kg/100 pcs.	Item No.
TPB 100 FS	1.5	0.8	20	9.900	**6357506**

St Steel

FS Strip-galvanised

Important: Observe the statics of the trapezoidal metal ceiling.

Ceiling bracket for fastening to standard trapezoidal ceilings.





Splint for trapezoidal ceiling bracket

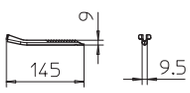
Type	Material thickness mm	Breaking load kN	Pack. pcs	Weight kg/100 pcs.	Item No.
TPB R FS	1.5	0.8	20	3.100	**6357536**

St Steel

FS Strip-galvanised

Important: Observe the statics of the trapezoidal metal ceiling.

Splint for fastening and securing the ceiling bracket to trapezoidal ceilings.



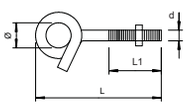


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Always indicate the item number when ordering.

Ceiling hook





Type	Thread	Dimension d mm	Dimension L mm	Dim. L1 mm	Dimension d Ø mm	Breaking load kN	Pack. pcs	Weight kg/100 pcs.	Item No.
948 TG6	M6	6	70	46	13	1	25	5.000	**3453820**

St Steel

G Electrogalvanised

Tightly wound ceiling hook. Including two large washers and nuts.

Threaded rod





Type	Thread	Dimension d mm	Dimension L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
TR M6 1M G	M6	6	1000	10	18.300	**3141047**
TR M8 1M G	M8	8	1000	10	30.000	**3141128**
TR M10 1M G	M10	10	1000	10	49.000	**3141209**
TR M12 1M G	M12	12	1000	10	62.000	**3141306**
TR M6 2M G	M6	6	2000	10	36.600	**3141048**
TR M8 2M G	M8	8	2000	10	60.000	**3141136**
TR M10 2M G	M10	10	2000	10	98.000	**3141140**
TR M12 2M G	M12	12	2000	10	140.000	**3141144**

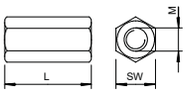
St Steel

G Electrogalvanised

Threaded rod to DIN 976.

Connection sleeve





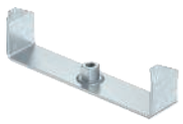
Type	Thread	Dimension L mm	SW mm	Pack. pcs	Weight kg/100 pcs.	Item No.
CSTR M8 G	M8	24	13	50	1.880	**6410081**
CSTR M10 G	M10	30	17	50	4.150	**6410103**
CSTR M12 G	M12	40	19	25	7.000	**6410111**

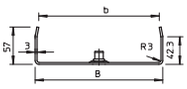
St Steel

G Electrogalvanised

Connection sleeve with continuous internal thread.

Central hanger for cable tray, side height 60 mm





Type	For width mm	For threaded rod	Dimension B mm	Dimension b mm	F in kN kN	Pack. pcs	Weight kg/100 pcs.	Item No.
MAH 60 100 FS	100	M10	94	84	0.9	1	18.500	**6358705**
MAH 60 150 FS	150	M10	144	134	0.65	1	23.000	**6358709**
MAH 60 200 FS	200	M10	195	184	0.45	1	27.600	**6358713**
MAH 60 300 FS	300	M10	295	284	0.22	1	36.700	**6358717**
MAH 60 400 FS	400	M10	395	384	—	1	46.000	**6358720**

St Steel

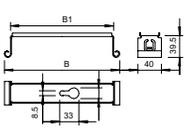
FS Strip-galvanised

The central hanger possesses a rotatable M10 threaded sleeve. When filling, ensure an even distribution of the load (avoid one-sided filling).
The widths 100, 150 and 200 mm have additional base perforations, in order to screw the centre suspensions to the tray base when used for the maintenance of electrical functionality according to DIN 4102 Part 12.

Central suspension for cable trays with rolled side rail of side height 60 mm.

Centre suspension for cable trays with rolled side rail of side





Type	For width mm	Dimension B mm	Dimension B1 mm	Pack. pcs	Weight kg/100 pcs.	Item No.
MAH 050 FS	50	47	26	1	5.000	**6358500**
MAH 100 FS	100	97	76	1	7.500	**6358527**
MAH 150 FS	150	147	126	1	8.000	**6358535**
MAH 200 FS	200	197	176	1	12.500	**6358543**

St Steel

FS Strip-galvanised

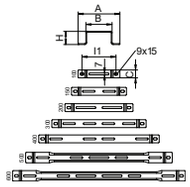
Central suspension for cable trays for attachment from the side rail of the cable tray.

Always indicate the item number when ordering.

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Stand-off bracket

Type	Dimension A mm	Dimension B mm	Dimension H mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DBL 50 100 FS	160	100	50	20	15.500	**6015506**
DBL 50 150 FS	210	150	50	20	18.800	**6015514**
DBL 50 200 FS	260	200	50	20	21.000	**6015522**
DBL 50 300 FS	360	300	50	20	36.900	**6015530**
DBL 50 400 FS	460	400	50	20	46.300	**6015549**
DBL 50 500 FS	560	500	50	25	57.200	**6015552**
DBL 50 600 FS	660	600	50	20	65.800	**6015555**
DBL 50 100 FT	160	100	50	20	16.000	**6015565**
DBL 50 150 FT	210	150	50	20	19.400	**6015573**
DBL 50 200 FT	260	200	50	20	22.000	**6015581**
DBL 50 300 FT	360	300	50	20	38.000	**6015603**
DBL 50 400 FT	460	400	50	20	47.700	**6015611**
DBL 50 500 FT	560	500	50	25	58.900	**6015614**
DBL 50 600 FT	660	600	50	20	67.800	**6015617**





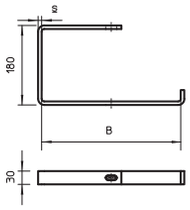
St Steel

FS Strip-galvanised FT Hot-dip galvanised

Stand-off bracket for cable trays and mesh cable trays.

Ceiling bracket

Type	For width mm	Dimension B mm	Hole Ø mm	F in kN ceiling kN	Pack. pcs	Weight kg/100 pcs.	Item No.
AHB 100 FT	100	115	11	0.6	1	54.000	**6363903**
AHB 150 FT	150	165	11	0.6	1	87.000	**6363907**
AHB 200 FT	200	215	11	0.6	1	101.000	**6363911**
AHB 300 FT	300	315	11	0.35	1	130.000	**6363938**
AHB 400 FT	400	415	11	0.2	1	157.000	**6363946**





St Steel

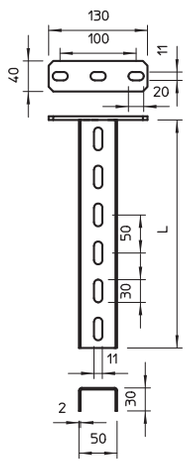
FT Hot-dip galvanised

Ceiling bracket for cable support systems.

U support system US 3

US 3 support

Type	Length mm	Material thickness mm	Tensile load kN	BS	Pack. pcs	Weight kg/100 pcs.	Item No.
US 3 K 20 FT	200	2	5	—	1	50.500	**6342351**
US 3 K 30 FT	300	2	5	—	1	64.400	**6342353**
US 3 K 40 FT	400	2	5	—	1	78.300	**6342355**
US 3 K 50 FT	500	2	5	—	1	92.300	**6342357**
US 3 K 60 FT	600	2	5	—	1	106.200	**6342359**
US 3 K 70 FT	700	2	5	—	1	120.200	**6342362**
US 3 K 80 FT	800	2	5	—	1	134.100	**6342364**
US 3 K 90 FT	900	2	5	—	1	147.800	**6342366**
US 3 K 100 FT	1000	2	5	—	1	162.000	**6342368**
US 3 K 110 FT	1100	2	5	—	1	175.900	**6342370**
US 3 K 120 FT	1200	2	5	—	1	189.900	**6342372**





St Steel

FT Hot-dip galvanised

For fastening to horizontal concrete ceilings and steel girders. For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 25.

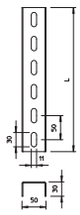
Suspended support (U profile) of dimensions 50 x 30 mm with welded head plate.

Always indicate the item number when ordering.

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US 3 support





Type	Length mm	Material thickness mm	BS	BS	Pack. pcs	Weight kg/100 pcs.	Item No.
US 3 100 FS	1000	2	—	—	1	133.000	**6342318**
US 3 200 FS	2000	2	—	—	1	266.000	**6342338**
US 3 300 FS	3000	2	—	—	1	399.000	**6342340**
US 3 600 FS	6000	2	—	—	1	798.000	**6342345**
US 3 600 FT	6000	2			1	834.000	**6342450**

St Steel

FS Strip-galvanised FT Hot-dip galvanised

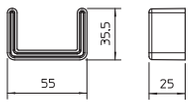
For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 25.

U support in fixed lengths. Dimensions 30 x 50 mm.

Load

End cap





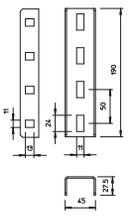
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
US 3 KS OR	Pastel orange	20	1.068	**6338458**

PE Polyethylene

End cap to cover the ends of US 3 supports.

U support connector





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
VUS 3 FT	10	48.300	**6018513**

St Steel

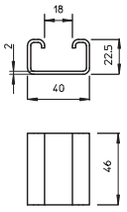
FT Hot-dip galvanised

Including appropriate fastening material.

U support connector to connect US 3 supports.

Spacer





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
DSK 25 FT	20	7.500	**6416446**

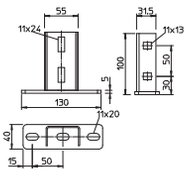
St Steel

FT Hot-dip galvanised

Spacer for use in U 3 supports.

Head plate





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
KU 3 FT	10	42.300	**6348874**

St Steel

FT Hot-dip galvanised

The head plate can be mounted to fixed lengths of the U support, type US 3.
Including appropriate fastening material.

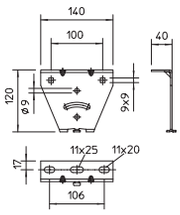
Head plate for mounting on US 3 supports.

Always indicate the item number when ordering.

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Head plate, variable

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
KU 3 V FS	20	40.000	**6348881**
KU 3 V FT	20	41.300	**6348883**





St Steel

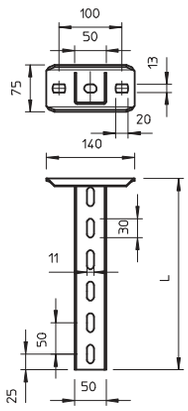
FS Strip-galvanised FT Hot-dip galvanised

The variable head plate can be mounted to fixed lengths of the U support, type US 3, or profile rails, type AML3518/AMS3518 and CML3518/CMS3518. The maximum angle adjustment is 20° on one side.

Variable head plate for installation on US 3 supports and profile rails, type AML3518/AMS3518 and CML3518/CMS3518.

US 5 support

Type	Length mm	Material thickness mm	Tensile load kN	Pack. pcs	Weight kg/100 pcs.	Item No.
US 5 K 20 FT	200	2.5	10	1	85.000	**6341527**
US 5 K 30 FT	300	2.5	10	1	110.000	**6341535**
US 5 K 40 FT	400	2.5	10	1	136.000	**6341543**
US 5 K 50 FT	500	2.5	10	1	161.000	**6341551**
US 5 K 60 FT	600	2.5	10	1	185.000	**6341578**
US 5 K 70 FT	700	2.5	10	1	210.000	**6341586**
US 5 K 80 FT	800	2.5	10	1	236.000	**6341594**
US 5 K 90 FT	900	2.5	10	1	261.000	**6341608**
US 5 K 100 FT	1000	2.5	10	1	286.000	**6341616**
US 5 K 110 FT	1100	2.5	10	1	311.000	**6341624**
US 5 K 120 FT	1200	2.5	10	1	337.000	**6341632**





St Steel

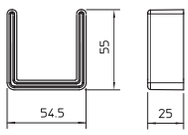
FT Hot-dip galvanised

For fastening to horizontal concrete ceilings and steel girders. For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 45.

U support of dimensions 50 x 50 mm with welded head plate.

End cap

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
US 5 KS OR	Pastel orange	20	1.300	**6338462**





PE Polyethylene

End cap to cover the ends of US 5 supports.

US 5 support

Type	Length mm	Material thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
US 5 100 FT	1000	2.5	1	265.000	**6340962**
US 5 200 FT	2000	2.5	1	506.000	**6340970**
US 5 300 FT	3000	2.5	1	795.000	**6340989**
US 5 600 FT	6000	2.5	1	1,578.000	**6340997**





St Steel

FT Hot-dip galvanised

For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 45.

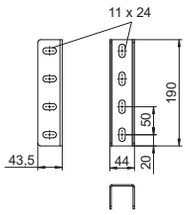
U support in fixed lengths. Dimensions 50 x 50 mm.

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Always indicate the item number when ordering.

U support connector





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
VUS 5 FT	10	44.000	**6018505**

St Steel

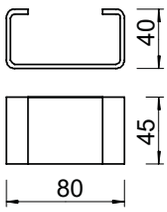
FT Hot-dip galvanised

Including appropriate fastening material.

U support connector to connect US 5 supports.

Spacer





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
DSK 45 FT	20	18.000	**6416500**

St Steel

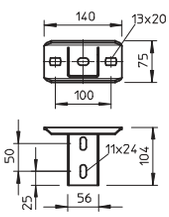
FT Hot-dip galvanised

For static reasons, the spacer is always used to increase stability to prevent the support from deforming when the bracket is tightened with the hexagonal bolts.

Spacer for use in U 5 support and in the head plate, type KU 7 VQP.

Head plate US 5





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
KUS 5 FT	10	61.000	**6348904**

St Steel

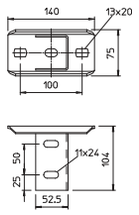
FT Hot-dip galvanised

When installing the head plate, please use the spacer, type DSK 45.

Head plate for installation in US 5 support.

Head plate US 5 NOK





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
KUS 5 NOK FT	10	75.000	**6348939**

St Steel

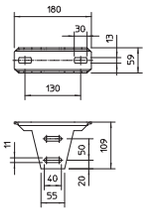
FT Hot-dip galvanised

When installing the head plate, please use the spacer, type DSK 45.

Head plate with U support mounting rotated 90°.

Head plate, variable FT





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
KU 5 V FT	4	82.000	**6348920**

St Steel

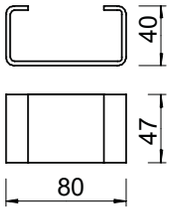
FT Hot-dip galvanised

The spacer, type DSK 47, is used for stabilisation when mounting the head plate. The maximum angle adjustment is approx. 30° on one side.

Variable head plate for installation on US 5 support.

Spacer





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
DSK 47 FT	20	19.000	**6416504**

St Steel

FT Hot-dip galvanised

For static reasons, the spacer is always used to increase stability to prevent the head plate from deforming when the bolts are tightened.

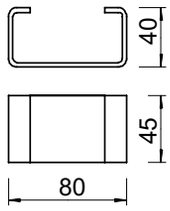
Spacer for use in head plate, type KU 5 V.

Always indicate the item number when ordering.

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Spacer

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
DSK 45 FT	20	18.000	**6416500**





St Steel

FT Hot-dip galvanised

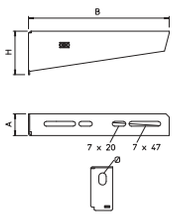
For static reasons, the spacer is always used to increase stability to prevent the support from deforming when the bracket is tightened with the hexagonal bolts.

Spacer for use in U 5 support and in the head plate, type KU 7 VQP.

Wall, support and clamping bracket

Wall and support bracket MWA 12

Type	Width mm	F in kN	Pack. pcs	Weight kg/100 pcs.	Item No.
MWA 12 11S FS	110	1.2	30	17.200	**6424716**
MWA 12 21S FS	210	1.2	30	29.000	**6424732**
MWA 12 31S FS	310	1.2	30	50.300	**6424740**
MWA 12 41S FS	410	1.2	30	68.000	**6424759**





St Steel

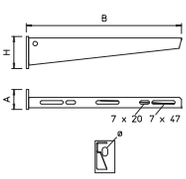
FS Strip-galvanised

Including truss-head bolt M10 x 25 for fastening to U supports.

Light-duty wall and support bracket.

Wall and support bracket AW 15

Type	Width mm	F in kN	Pack. pcs	Weight kg/100 pcs.	Item No.
AW 15 11 FT	110	1.5	30	14.000	**6420656**
AW 15 16 FT	160	1.5	30	20.000	**6420664**
AW 15 21 FT	210	1.5	30	24.000	**6420680**
AW 15 31 FT	310	1.5	30	39.900	**6420710**
AW 15 41 FT	410	1.5	30	54.000	**6420745**
AW 15 51 FT	510	1.5	20	68.000	**6420788**
AW 15 56 FT	560	1.5	20	77.000	**6420796**
AW 15 61 FT	610	1.5	20	85.000	**6420826**





St Steel

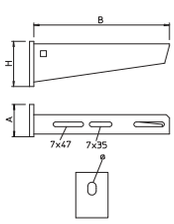
FT Hot-dip galvanised

Fastening of the bracket to the U support of width 400 mm or greater using hexagonal bolt through both sides of the support. Please insert suitable spacers.

Light-duty wall and support bracket with welded head plate.

Wall and support bracket AW 30

Type	Width mm	F in kN	Pack. pcs	Weight kg/100 pcs.	Item No.
AW 30 11 FT	110	3	1	22.000	**6419704**
AW 30 16 FT	160	3	1	33.000	**6419712**
AW 30 21 FT	210	3	1	39.300	**6419720**
AW 30 31 FT	310	3	1	63.000	**6419747**
AW 30 41 FT	410	3	1	89.000	**6419763**
AW 30 51 FT	510	3	1	129.000	**6419798**
AW 30 61 FT	610	3	1	158.000	**6419828**
AW 30 71 FT	710	3	1	207.000	**6419836**





St Steel

FT Hot-dip galvanised

Fastening of the bracket to the U support of width 400 mm or greater using hexagonal bolt through both sides of the support. Please insert suitable spacers.

Medium-duty wall and support bracket with welded head plate.

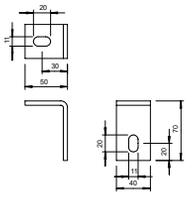
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Always indicate the item number when ordering.

Wall, support and clamping bracket

Mounting angle BW 70





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
BW 70 40 FT	10	22.000	**6019706**

St Steel

FT Hot-dip galvanised

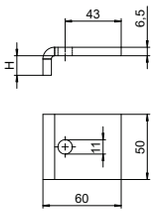
Including truss-head bolt M10 x 25.

Mounting angle of limb dimension 70 x 50 mm.

Clamp fastening systems

Clamping angle KL





Type	Height mm	Bolt	Pack. pcs	Weight kg/100 pcs.	Item No.
KL1 10 S FT	10	M10 x 40	10	22.100	**6354106**
KL1 15 S FT	15	M10 x 50	10	23.400	**6354114**
KL1 20 S FT	20	M10 x 50	10	25.000	**6354122**

St Steel

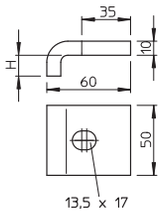
FT Hot-dip galvanised

Choose the clamping lug according to the thickness of the flange.

Clamping lug, type KL1, to fasten light support structures to steel girder flanges.

Clamping angle KWS





Type	Height mm	F in kN	Bolt	Pack. pair	Weight kg/100 pairs	Item No.
KWS 5 FT	5	5.7	M12 x 40	10	64.000	**6355218**
KWS 10 FT	10	5.7	M12 x 50	10	70.000	**6355226**
KWS 15 FT	15	5.7	M12 x 50	10	65.200	**6355234**
KWS 20 FT	20	5.7	M12 x 60	10	79.000	**6355242**
KWS 25 FT	25	5.7	M12 x 60	10	80.000	**6355250**

St Steel

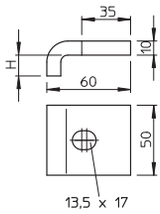
FT Hot-dip galvanised

Choose the clamping angle according to the thickness of the flange.

Clamping angle, with hexagonal bolt, type KWS, for direct fixing of constructions to steel girder flanges.

Clamping angle KWH





Type	Height mm	F in kN	Bolt	Pack. pair	Weight kg/100 pairs	Item No.
KWH 5 FT	5	5.7	M12 x 40	10	67.000	**6355021**
KWH 10 FT	10	5.7	M12 x 50	10	73.000	**6355048**
KWH 15 FT	15	5.7	M12 x 50	10	76.000	**6355056**
KWH 20 FT	20	5.7	M12 x 60	10	82.000	**6355064**
KWH 25 FT	25	5.7	M12 x 60	10	87.000	**6355072**

St Steel

FT Hot-dip galvanised

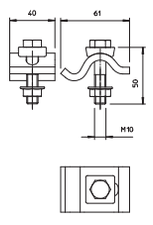
Adapt the clamping angle to the material thickness of the flange.

The clamping angle is used in conjunction with profile rails of slot width 22 mm.

Clamping profile, with hook-head bolt, type KWH, for fastening in the mounting rail, type MS5030.

Chuck jaw, light-duty TKS





Type	Height mm	F in kN	Pack. pair	Weight kg/100 pairs	Item No.
TKS-L-25 FT	25	10	10	39.000	**6355808**

St Steel

FT Hot-dip galvanised

The clamping range of the chuck jaw is limited to the maximum fastening thickness, 25 mm.

Chuck jaw with hexagonal nut for direct fastening of structures to steel girders.

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Always indicate the item number when ordering.

Chuck jaw, light-duty TKH

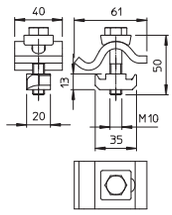
Type	Height mm	F in kN kN	Pack. pair	Weight kg/100 pairs	Item No.
TKH-L-25 FT	25	10	10	46.000	**6355812**

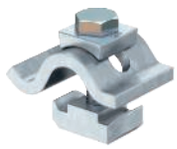
St Steel

FT Hot-dip galvanised

The clamping range of the chuck jaw is limited to the maximum fastening thickness, 25 mm. The chuck jaw is used in combination with profile rails of slot width 18 mm and 22 mm.

Light-duty tensioning claw with slide nut for fixing mounting rails to steel girder flanges.





Beam clamp SSP 6-21

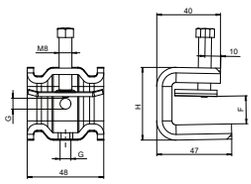
Type	Flange thickness mm	For threaded rod	Breaking load F1 kN	Breaking load F2 kN	Pack. pcs	Weight kg/100 pcs.	Item No.
SSP 6-21 M6 FT	6 - 21	M6	1.75	1.5	25	23.900	**1486232**
SSP 6-21 M8 FT	6 - 21	M8	1.75	1.5	25	23.900	**1486282**

St Steel

FT Hot-dip galvanised

This type of beam clamp is pushed onto the support and fixed to the girder or flat iron using a pressure trough and bolt (M8). The hexagonal bolt has a WAF of 10 mm. In the clip element, two additional M6 threads are also incorporated, to fix threaded rods, for example.



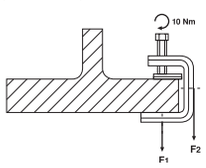


SSP 6-21 M6 FT

Breaking load F1 kN	1.75
Breaking load F2 kN	1.5

SSP 6-21 M8 FT

Breaking load F1 kN	1.75
Breaking load F2 kN	1.5



Beam clamp SSP 20-40

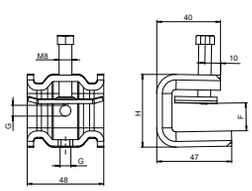
Type	Flange thickness mm	For threaded rod	Breaking load F1 kN	Breaking load F2 kN	Pack. pcs	Weight kg/100 pcs.	Item No.
SSP 20-40 M6 FT	20 - 40	M6	1.4	1.3	25	27.700	**1486238**
SSP 20-40 M8 FT	20 - 40	M8	1.4	1.3	25	27.800	**1486288**

St Steel

FT Hot-dip galvanised

This type of beam clamp is pushed onto the support and fixed to the girder or flat iron using a pressure trough and bolt (M8). The hexagonal bolt has a WAF of 10 mm. In the clip element, two additional M6 threads are also incorporated, to fix threaded rods, for example.



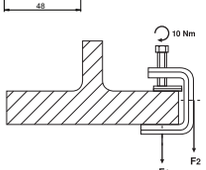


SSP 20-40 M6 FT

Breaking load F1 kN	1.4
Breaking load F2 kN	1.3

SSP 20-40 M8 FT

Breaking load F1 kN	1.4
Breaking load F2 kN	1.3



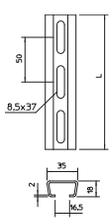
Anchor rail AMS3518, slot 16.5 mm, perforated

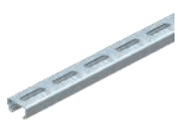
Type	Length mm	Dimension W x H mm	Material thickness mm	Dimension L mm	Pack. m	Weight kg/100 m	Item No.
AMS3518P2000FT	2000	35 x 18	2	2000	20	122.000	**1112759**

St Steel

FT Hot-dip galvanised

Central C profile rail for cable routing, in conjunction with clamp clips with a hammerhead foot. Can also be used as suspension construction for cable support systems.

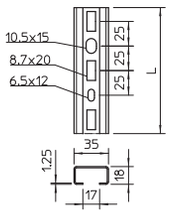




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CM3518 profile rail, slot 17 mm, perforated





Type	Length mm	Dimension W x H mm	Material thickness mm	Dimension L mm	Pack. m	Weight kg/100 m	Item No.
CML3518P2000FS	2000	35 x 18	1.25	2000	2	71.000	**1104500**

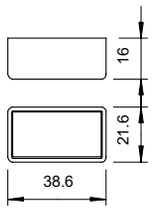
St Steel

FS Strip-galvanised

Central C profile rail for cable routing, in conjunction with clamp clips with a hammerhead foot. Can also be used as suspension construction for cable support systems.

Protective cap





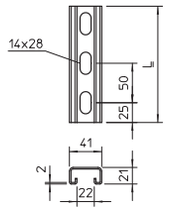
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
CM3518 SK	Pastel orange	50	0.384	**1124502**

PE Polyethylene

Protective cap for profile rail types CM3518 and AM3518.

MS4121 mounting rail, slot width 22 mm, perforated





Type	Length mm	Dimension W x H mm	Material thickness mm	Dimension L mm	Pack. m	Weight kg/100 m	Item No.
MS4121P2000FS	2000	41x21	2	2000	2	175.000	**1122918**
MS4121P3000FS	3000	41x21	2	3000	3	141.900	**1122920**
MS4121P6000FS	6000	41x21	2	6000	6	141.900	**1122922**

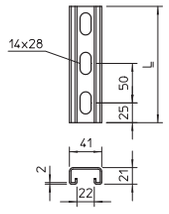
St Steel

FS Strip-galvanised

Heavy-duty C profile rail for individual installation of support constructions, e.g. for cable trays or as a panel for switchgear cabinets. Can also be used for cable routing, in conjunction with clamp clips with a U foot.

MS4121 mounting rail, slot width 22 mm, perforated





Type	Length mm	Dimension W x H mm	Material thickness mm	Dimension L mm	Pack. m	Weight kg/100 m	Item No.
MS4121P2000FT	2000	41x21	2	2000	2	183.000	**1122923**
MS4121P3000FT	3000	41x21	2	3000	3	151.300	**1122924**
MS4121P6000FT	6000	41x21	2	6000	6	184.000	**1122926**

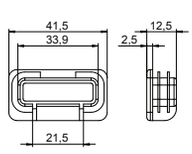
St Steel

FT Hot-dip galvanised

Heavy-duty C profile rail for individual installation of support constructions, e.g. for cable trays or as a panel for switchgear cabinets. Can also be used for cable routing, in conjunction with clamp clips with a U foot.

End cap MS4121





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MS4121 EK	Pastel orange	50	0.645	**1122904**

PE Polyethylene

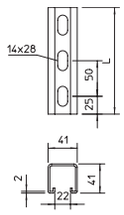
End cap for profile rail, type MS4121.

Always indicate the item number when ordering.

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MS4141 mounting rail, slot width 22 mm, perforated

Type	Length mm	Dimension W x H mm	Material thickness mm	Dimension L mm	Pack. m	Weight kg/100 m	Item No.
MSL4141P1000FS	1000	41x41	2	1000	1	201.100	**1122970**
MSL4141P3000FS	3000	41x41	2	3000	3	201.100	**1122972**
MSL4141P6000FS	6000	41x41	2	6000	6	201.100	**1122974**
MSL4141P1000FT	1000	41x41	2	1000	1	214.700	**1122962**
MSL4141P3000FT	3000	41x41	2	3000	3	214.700	**1122964**
MSL4141P6000FT	6000	41x41	2	6000	6	214.700	**1122966**





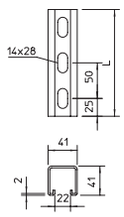
St Steel

FS Strip-galvanised FT Hot-dip galvanised

Heavy-duty C profile rail for individual installation of support constructions, e.g. for cable trays or as a panel for switchgear cabinets. Can also be used for cable routing, in conjunction with clamp clips with a U foot.

MS4141 mounting rail, slot width 22 mm, side-perforated

Type	Length mm	Dimension W x H mm	Material thickness mm	Dimension L mm	Pack. m	Weight kg/100 m	Item No.
MSL4141PP1000FS	1000	41x41	2	1000	1	179.400	**1123008**
MSL4141PP3000FS	3000	41x41	2	3000	3	179.400	**1123010**
MSL4141PP6000FS	6000	41x41	2	6000	6	179.400	**1123012**
MSL4141PP1000FT	1000	41x41	2	1000	1	191.500	**1123001**
MSL4141PP3000FT	3000	41x41	2	3000	3	191.500	**1123003**
MSL4141PP6000FT	6000	41x41	2	6000	6	191.500	**1123005**





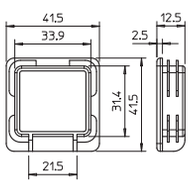
St Steel

FS Strip-galvanised FT Hot-dip galvanised

Heavy-duty C profile rail for individual installation of support constructions, e.g. for cable trays or as a panel for switchgear cabinets. Can also be used for cable routing, in conjunction with clamp clips with a U foot.

End cap MS4141

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MS4141 EK	Pastel orange	50	0.670	**1122906**



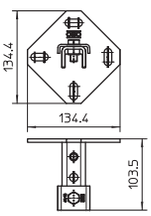


PE Polyethylene

End cap for profile rail, type MS4141.

Wall, floor and ceiling bracket with 3 holes

Type	Version	Dimension W x H mm	Material thickness mm	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WBDHE 41 FT	Perforated	134x110	5	102	10	73.000	**1123191**





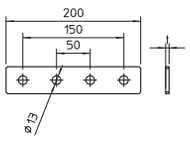
St Steel

FT Hot-dip galvanised

The wall, floor and ceiling bracket can ideally be used as a panel for wall, floor and ceiling mounting.
Also suitable for stand and frame construction in conjunction with the mounting rails MS4141.

Connection plate with 4 holes

Type	Material thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 4 VP FT	5	10	35.580	**1124649**





St Steel

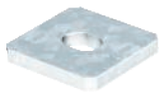
FT Hot-dip galvanised

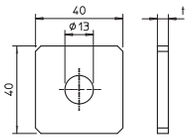
Connection plate with four holes for straight connection of profile rails 41 x 41 mm and 41 x 21 mm.

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Always indicate the item number when ordering.

Connection plate with 1 hole





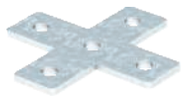
Type	Material thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 1 VP FT	5	10	7.120	**1124643**

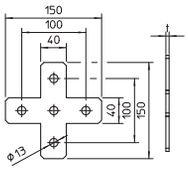
St Steel

FT Hot-dip galvanised

Connection plate with lengthwise slot, for example for mounting threaded rods to profile rails 41 x 41 mm and 41 x 21 mm.

Connection plate, X-shaped





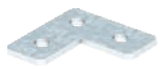
Type	Material thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 5 VP X FT	5	10	48.000	**1124657**

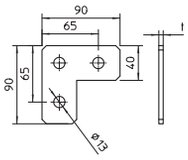
St Steel

FT Hot-dip galvanised

Connection plate with five holes for cross connection of profile rails 41 x 41 mm and 41 x 21 mm.

Connection plate, L-shaped





Type	Material thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 3 VP L FT	5	10	25.000	**1124653**

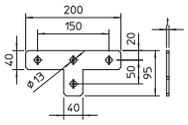
St Steel

FT Hot-dip galvanised

Connection plate with three holes for angled connection of profile rails 41 x 41 mm and 41 x 21 mm.

Connection plate, T-shaped





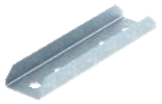
Type	Material thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 4 VP T FT	5	10	41.000	**1124655**

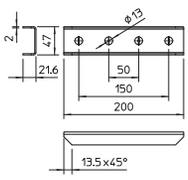
St Steel

FT Hot-dip galvanised

Connection plate with four holes for T-shaped connection of profile rails 41 x 41 mm and 41 x 21 mm.

Connector





Type	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
GVMS 4 ASV FT	With continuous perforation 13 mm	10	24.510	**1124641**

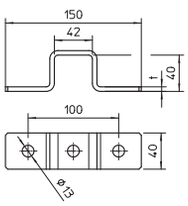
St Steel

FT Hot-dip galvanised

Connector gripping from outside with four holes for straight connection of profile rails 41 x 41 mm and 41 x 21 mm.

Omega clamp





Type	Material thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 3 O 4141 FT	5	10	35.000	**1124673**

St Steel

FT Hot-dip galvanised

Fastening clip with 3 holes for cross-wise connection of profile rails 41 x 41 mm.

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Always indicate the item number when ordering.

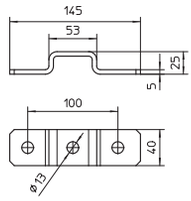
Omega clamp

Type	Material thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 3 O 4121 FT	5	10	26.540	**1124671**

St Steel

FT Hot-dip galvanised

Fastening clip with 3 holes for cross-wise connection of profile rails 41 x 21 mm.





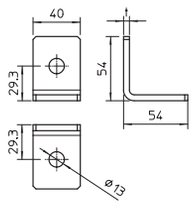
Mounting bracket, 90° with 2 holes

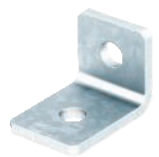
Type	Version	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 2 VW 90 FT	90° angle	60	10	14.000	**1124659**

St Steel

FT Hot-dip galvanised

Mounting bracket with two holes to connect profile rails 41 x 41 mm and 41 x 21 mm at an angle of 90°.





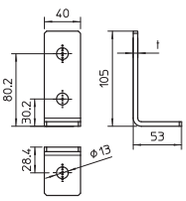
Mounting bracket, 90° with 3 holes

Type	Version	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 3 VW 90 FT	90° angle	40	10	25.910	**1124661**

St Steel

FT Hot-dip galvanised

Installation profile with three holes to connect profile rails 41 x 41 mm and 41 x 21 mm at an angle of 90°.





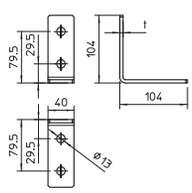
Mounting bracket, 90° with 4 holes

Type	Version	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 4 VW 90 FT	90° angle	30	10	32.000	**1124663**

St Steel

FT Hot-dip galvanised

Mounting bracket with two holes to connect profile rails 41 x 41 mm and 41 x 21 mm at an angle of 90°.





Rail connector SV with 3 holes

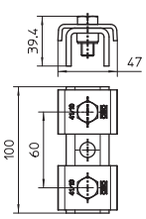
Type	Version	Dimension W x H mm	Material thickness mm	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SVE 41 FT	Perforated	47x39,4	4	100	10	42.000	**1123121**

St Steel

FT Hot-dip galvanised

The rail connector is used to extend the mounting rail MS4141. The connection can be made simply and securely on the construction site or prefabricated in the workshop.
There is a guarantee that there is no weak point in the area of the rail coupling. The static values of the mounting rail apply here.

Scope of delivery:
Retaining plates, type 4141, and suitable hexagonal bolts included loosely.



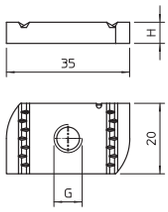


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Always indicate the item number when ordering.

Slide nut





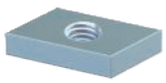
Type	Length mm	Width mm	Height mm	Thread	Pack. pcs	Weight kg/100 pcs.	Item No.
MS41SN M6 ZL	35	20	6	M6	50	2.880	**1147206**
MS41SN M8 ZL	35	20	6	M8	50	2.800	**1147210**
MS41SN M10 ZL	35	20	8	M10	50	3.650	**1147214**
MS41SN M12 ZL	35	20	9.5	M12	50	4.200	**1147218**

St Steel

ZL Zinc scale

Slide nut for use with MS4121 und MS4141 profile rails

Slide nut



Type	Length mm	Width mm	Height mm	Thread	Pack. pcs	Weight kg/100 pcs.	Item No.
ACMSN M6 ZL	26	16.5	4	M6	100	1.740	**1147056**
ACMSN M8 ZL	26	16.5	4	M8	100	1.484	**1147060**
ACMSN M10 ZL	26	16.5	4	M10	100	1.300	**1147064**

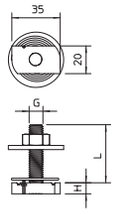
St Steel

ZL Zinc scale

Slide nut for use with CM3015, CM3518 and AM3518 profile rails

Hammer-head bolt





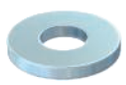
Type	Length mm	Width mm	Height mm	Thread	Torque Nm	Pack. pcs	Weight kg/100 pcs.	Item No.
MS41HB M6x30 ZL	35	20	6	M6x30	3.3	50	4.000	**1148306**
MS41HB M8x30 ZL	35	20	6	M8x30	8	50	4.850	**1148310**
MS41HB M8x60 ZL	35	20	6	M8x60	8	25	6.000	**1148314**
MS41HB M8x100 ZL	35	20	6	M8x100	8	20	7.600	**1148318**
MS41HB M10x30 ZL	35	20	8	M10x30	16	50	7.400	**1148322**
MS41HB M10x60 ZL	35	20	8	M10x60	16	25	9.250	**1148326**
MS41HB M10x100ZL	35	20	8	M10x100	16	20	11.700	**1148330**
MS41HB M12x30 ZL	35	20	9.5	M12x30	27	50	9.750	**1148334**
MS41HB M12x100ZL	35	20	9.5	M12x100	27	20	15.950	**1148342**

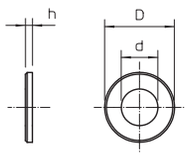
St Steel

ZL Zinc scale

Hammer-head bolt for use with MS4121 und MS4141 profile rails

Washer





Type	Thread	Dimension d mm	Dimension D mm	Dimension h mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WS M6 D12 G	M6	6.4	12	1.6	100	0.114	**3402061**

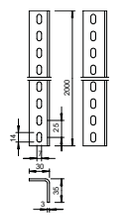
St Steel

G Electrogalvanised

Washer according to DIN 125, shape A, for universal use.

Angle profile WP30/35





Type	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WP 30 35 2000 FT	2000	10	257.000	**6373100**

St Steel

FT Hot-dip galvanised

Angle profile, perforated on both sides, for creation of special support structures.

Always indicate the item number when ordering.

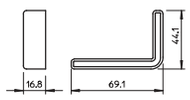
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End cap

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
WPK SR OR	Pastel orange	20	0.585	**6372881**

PE Polyethylene

End cap to cover the ends of angle profile, type WE 40/65.





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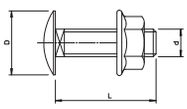
Always indicate the item number when ordering.

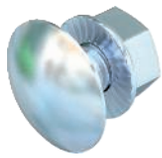


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Truss-head bolt with flange nut

Type	Dimension mm	Dimension L mm	Dimension d mm	Dimension D mm	Resistance class	Pack. pcs	Weight kg/100 pcs.	Item No.
FRSB 6x12 F	M 6 x 12	12	6	13.5	5.6	100	0.812	**6406122**
FRSB 6x20 F	M 6 x 20	20	6	13.5	5.6	100	0.965	**6406203**
FRSB 6x30 F	M 6 x 30	30	6	13.5	5.6	100	1.200	**6406907**





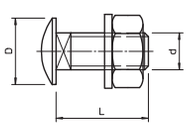
St Steel

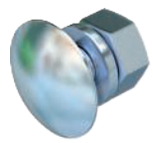
F Hot-dip galvanised

Truss-head bolt with square neck including flange nut.

Truss-head bolt with nut and washer

Type	Dimension mm	Dimension L mm	Dimension d mm	Dimension D mm	Resistance class	Pack. pcs	Weight kg/100 pcs.	Item No.
FRS 8x20 F	M 8 x 20	20	8	20	5.6	50	2.054	**6406971**
FRS 8x35 F	M 8 x 35	35	8	20	5.6	50	1.936	**6407048**
FRS 10x20 F	M 10 x 20	20	10	24	8.8	50	4.100	**6407471**
FRS 10x30 F	M 10 x 30	30	10	24	8.8	50	5.000	**6407579**





St Steel

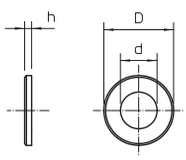
F Hot-dip galvanised

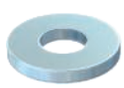
The truss-head screw can be used in combination with hot-dip and double-dip galvanised articles.

Truss-head bolt with square neck. With washer and hexagonal nut.

Washer

Type	Thread	Dimension d mm	Dimension D mm	Dimension h mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WS M6 D12 G	M6	6.4	12	1.6	100	0.114	**3402061**
WS M8 D16 G	M8	8.4	16	1.6	100	0.156	**3402088**
WS M10 D20 G	M10	10.5	20	2	100	0.408	**3402096**
WS M12 D24 G	M12	13	24	2.5	100	0.570	**3402126**





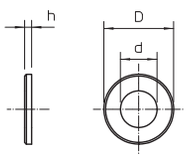
St Steel

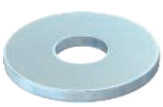
G Electrogalvanised

Washer according to DIN 125, shape A, for universal use.

Large washer steel

Type	Thread	Dimension d mm	Dimension D mm	Dimension h mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WS M6 G20 G	M6	6.4	20	1.5	100	0.236	**3403076**
WS M8 G20 G	M8	8.4	20	1.5	100	0.227	**3403122**
WS M10 G30 G	M10	10.5	30	1.5	100	0.598	**3403165**





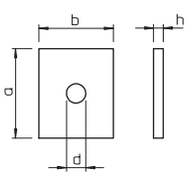
St Steel

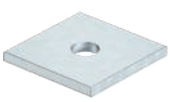
G Electrogalvanised

Washer of particularly large outer diameter.

Counter plate

Type	Dimension a mm	Dimension b mm	Dimension d mm	Dimension h mm	Pack. pcs	Weight kg/100 pcs.	Item No.
K 60 FT	60	50	13	6.5	10	15.000	**6348408**





St Steel

FT Hot-dip galvanised

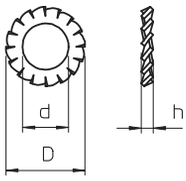
Counter plate to increase the contact surface for pass-through installation of brackets and supports.

Always indicate the item number when ordering.

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Serrated washer DIN 6798





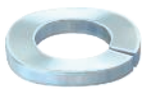
Type	Thread	Dimension d mm	Dimension D mm	Dimension h mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SWS M6 G	M6	6.4	11	2.1	100	0.036	**3404064**
SWS M8 G	M8	8.4	15	2.4	100	0.080	**3404080**
SWS M10 G	M10	10.5	18	2.7	100	0.125	**3404102**
SWS M12 G	M12	13	20.5	3	100	0.160	**3404129**

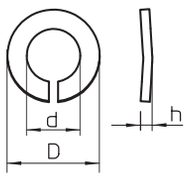
St Steel

G Electrogalvanised

Serrated washer to DIN 6798, shape A.

Lock washer





Type	Thread	Dimension d mm	Dimension D mm	Dimension h mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LWS M6 G	M6	6.3	11.8	2.1	100	0.070	**3405060**
LWS M8 G	M8	8.3	14.8	2.6	100	0.130	**3405087**
LWS M10 G	M10	10.5	18.1	3	100	0.210	**3405109**
LWS M12 G	M12	12.5	21.1	3.5	100	0.320	**3405125**

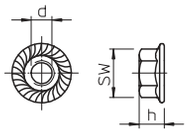
St Steel

G Electrogalvanised

Lock washer according to DIN 128, shape A.

Flange nut





Type	Dimension d mm	Dimension h mm	SW mm	Resistance class	Pack. pcs	Weight kg/100 pcs.	Item No.
KM M6 F	6	6	10	–	100	0.315	**6408962**

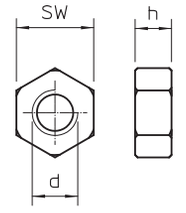
St Steel

F Hot-dip galvanised

Combination nut with washer based on EN 1661.

Hexagonal nut DIN 934





Type	Thread	SW mm	Dimension h mm	Dimension d mm	Pack. pcs	Weight kg/100 pcs.	Item No.
HN M6 G	M6	10	5.2	6	100	0.221	**3400069**
HN M8 G	M8	13	6.8	8	100	0.500	**3400085**
HN M10 G	M10	17	8.4	10	100	1.014	**3400107**
HN M12 G	M12	19	10.8	12	100	1.730	**3400123**

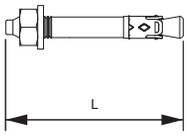
St Steel

G Electrogalvanised

Hexagonal nut to DIN 934 with metric thread.

Nail anchor N with thread





Type	Thread	Bore hole Ø mm	Bore hole depth mm	Clamping range mm	Dimension L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
N 6-5-10/49	M6	6	40	5 - 10	49	100	1.160	**3498396**

St Steel

G Electrogalvanised

European Technical Approval ETA-11/0240, including characteristic values under fire exposure to fire resistance R 120.

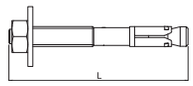
The nail anchor N can be used for multiple fastenings of non-load-bearing systems and in cracked and non-cracked concrete, thereby combining the benefits of a bolt tie with even easier mounting. The nail tie only needs to be hammered into the drill hole. It is not necessary to apply torque subsequently. When the load occurs, the nail tie spreads itself and bolts itself in the drill hole.

Always indicate the item number when ordering.

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Bolt tie BZ-U

Type	Thread	Dimension L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
BZ-U 8-10-21/75	M8	75	50	3.460	**3498320**
BZ-U 8-30-41/95	M8	95	50	4.010	**3498326**
BZ-U 10-10-30/90	M10	90	50	6.720	**3498334**
BZ-U10-30-50/110	M10	110	25	7.900	**3498340**





St Steel

G Electrogalvanised

European Technical Approval ETA-99/0010, including characteristic values under fire exposure to fire resistance R 120.
Proof of suitability in the case of seismic impacts, categories C1 and C2.
Shock approval by the Federal Office for Civil Protection in Bern, Switzerland.

Bolt tie BZ for the anchoring of medium-duty to heavy-duty loads, both in cracked and non-cracked concrete. It combines high approved loads with small edge distances and axial spacings.

Load

Standard anchoring depth

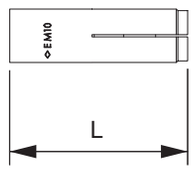
Loads and characteristic values	Anchoring depth	Drill hole Ø	Drill hole depth	Clamping strength	Permitted load area, tension zone
	mm	mm	mm	mm	kN
M 8-10/75	46	8	60	10	2.4
M 8-30/75	46	8	60	30	2.4
M 10-10/90	60	10	75	10	4,3
M 10-30/110	60	10	75	30	4,3

Reduced anchoring depth

Loads and characteristic values	Anchoring depth	Drill hole Ø	Drill hole depth	Clamping strength	Permitted load area, tension zone
	mm	mm	mm	mm	kN
M 8-21/75	35	8	49	21	2.4
M 8-41/95	35	8	49	41	2.4
M 10-30/90	40	10	55	30	3,6
M 10-50/110	40	10	55	50	3,6

Drop-in anchor E

Type	Thread	Screw-in depth min.-max. mm	Bore hole Ø mm	Bore hole depth mm	Dimension L mm	Perm. load range, tension zone kN	Pack. pcs	Weight kg/100 pcs.	Item No.
E M 6x30	M6	7 - 13	8	30	30	1.2	100	0.840	**3492900**
E M 8x40	M8	9 - 20	10	40	40	2	100	1.490	**3492910**
E M 10x40	M10	11 - 15	12	40	40	2	50	2.140	**3492920**
E M 12x50	M12	13 - 18	15	50	50	2.4	50	4.420	**3492930**





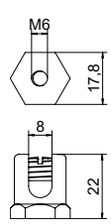
St Steel

G Electrogalvanised

Anchor for small loads in steel version

Earthing terminal with fastening thread

Type	Dimension L mm	Dimension l mm	Cross–section mm²	Thread	Pack. pcs	Weight kg/100 pcs.	Item No.
EKL 25 M6	22	8	25	M6	50	3.100	**6404006**



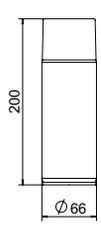


CuZn Brass

Earthing terminal for fastening the equipotential bonding conductor to the cable support system.

Zinc repairs

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
ZSF	1	45.000	**2362970**





The zinc spray can be used in the temperature range -20 °C to 150 °C.

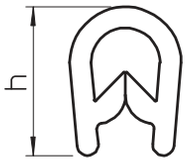
Zinc spray for treatment of unprotected surfaces and cutting edges. Can contents: 400 ml.

Always indicate the item number when ordering.

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Edge protection strip





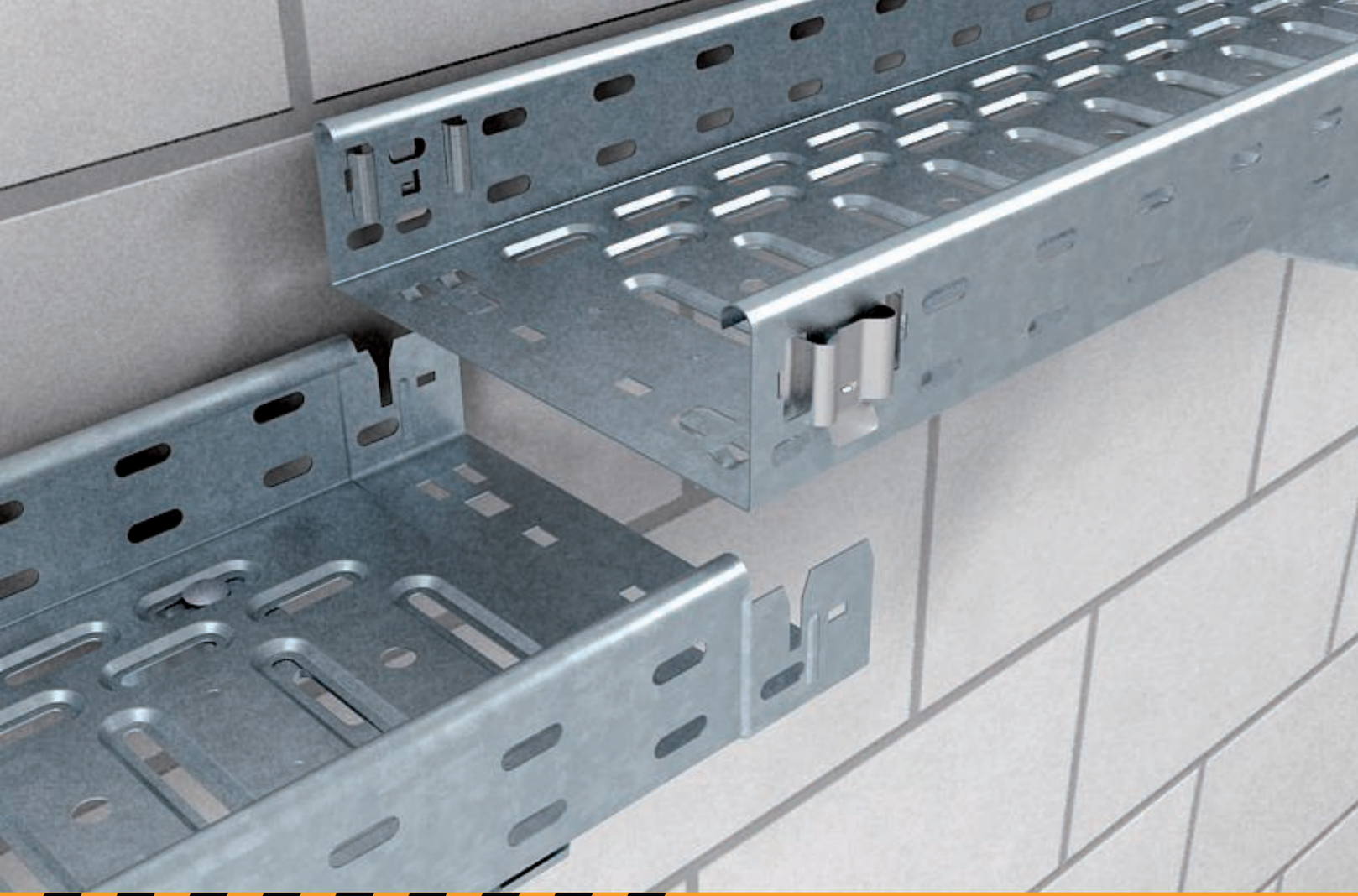
Type	For plate thickness mm	Dimension h mm	Pack. m	Weight kg/100 m	Item No.
KSB 2 PVC	0.75 - 2	10	10	8.000	**6072909**
KSB 4 PVC	1.5 - 4	15	10	14.000	**6072895**

PVC Polyvinylchloride

Edge protection strip with steel inlay to cover cut plate ends. Black, UV-resistant version.

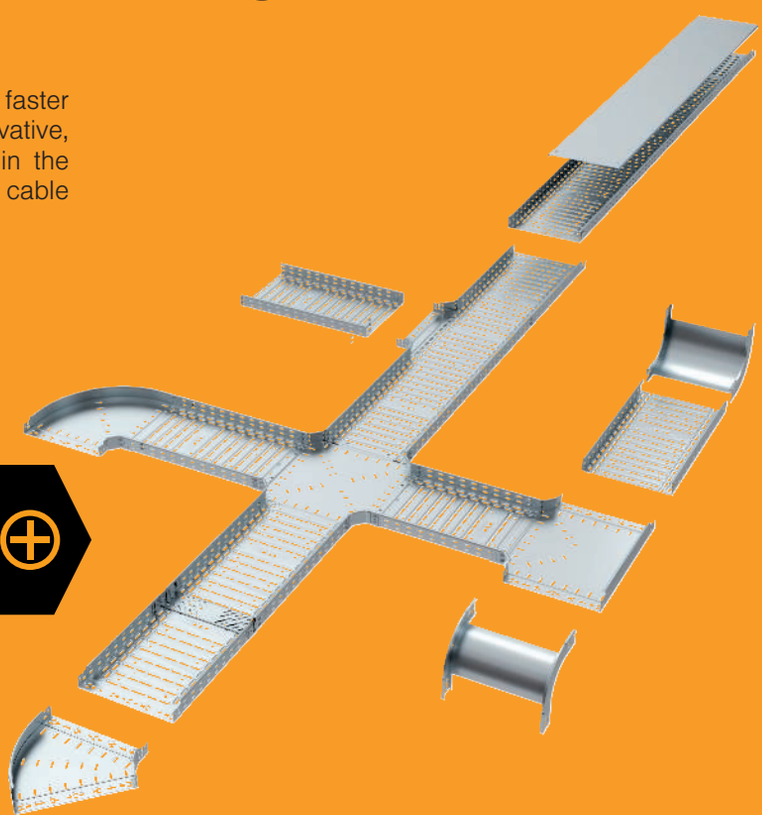
Always indicate the item number when ordering.

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Cable tray system RKS-Magic®

The RKS-Magic® cable tray system permits even faster straight connection of the cable trays. The innovative, screwless straight connector can be mounted in the blink of an eye. Just connect the ends of the cable tray, lock them in place - and you're done!



- Fast and secure connection through patented plug connection
- Locking system accessory, such as the separating retainer
- Function maintenance tested
- Equipotential bonding without additional components
- VDE and UL approved cable tray system

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Selection aid, KTS Magic

Magic cable trays, side height 60 mm



Cable tray RKS Magic®

Type	Width mm	Plate thickness mm	Item no.
RKSM 610 FS	100	0.75	6047 61 1
RKSM 615 FS	150	0.75	6047 63 0
RKSM 620 FS	200	0.75	6047 63 8
RKSM 630 FS	300	0.75	6047 65 4
RKSM 640 FS	400	0.9	6047 68 9
RKSM 650 FS	500	0.9	6047 71 9
RKSM 660 FS	600	0.9	6047 73 5
RKSM 610 FT	100	1	6047 61 2
RKSM 615 FT	150	1	6047 63 1
RKSM 620 FT	200	1	6047 63 9
RKSM 630 FT	300	1	6047 65 5
RKSM 640 FT	400	1	6047 69 0
RKSM 650 FT	500	1	6047 72 0
RKSM 660 FT	600	1	6047 73 6



Cable tray MKS Magic®

Type	Width mm	Plate thickness mm	Item no.
MKSM 610 FS	100	1	6059 00 0
MKSM 615 FS	150	1	6059 00 2
MKSM 620 FS	200	1	6059 00 4
MKSM 630 FS	300	1	6059 00 6
MKSM 640 FS	400	1	6059 00 8
MKSM 650 FS	500	1	6059 01 0
MKSM 660 FS	600	1	6059 01 2
MKSM 610 FT	100	1	6059 01 8
MKSM 615 FT	150	1	6059 02 0
MKSM 620 FT	200	1	6059 02 2
MKSM 630 FT	300	1	6059 02 5
MKSM 640 FT	400	1	6059 02 7
MKSM 650 FT	500	1	6059 02 9
MKSM 660 FT	600	1	6059 03 2



Cable tray SKS Magic®

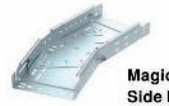
Type	Width mm	Plate thickness mm	Item no.
SKSM 610 FS	100	1.5	6059 45 6
SKSM 615 FS	150	1.5	6059 45 8
SKSM 620 FS	200	1.5	6059 46 0
SKSM 630 FS	300	1.5	6059 46 2
SKSM 640 FS	400	1.5	6059 46 4
SKSM 650 FS	500	1.5	6059 46 6
SKSM 660 FS	600	1.5	6059 46 8
SKSM 610 FT	100	1.5	6059 47 3
SKSM 615 FT	150	1.5	6059 47 5
SKSM 620 FT	200	1.5	6059 47 7
SKSM 630 FT	300	1.5	6059 47 9
SKSM 640 FT	400	1.5	6059 48 1
SKSM 650 FT	500	1.5	6059 48 3
SKSM 660 FT	600	1.5	6059 48 5



Cover with turn buckle

Type	Width mm	Item no.
DRL 100 FS	100	6052 09 6
DRL 150 FS	150	6052 15 0
DRL 200 FS	200	6052 20 7
DRL 300 FS	300	6052 30 4
DRL 400 FS	400	6052 40 1
DRL 500 FS	500	6052 50 9
DRL 600 FS	600	6052 60 6
DRL 100 DD	100	6052 70 3
DRL 150 DD	150	6052 70 6
DRL 200 DD	200	6052 70 9
DRL 300 DD	300	6052 71 2
DRL 400 DD	400	6052 71 5
DRL 500 DD	500	6052 71 8
DRL 600 DD	600	6052 72 4

Universal fittings and accessories for side height 60 mm



Magic variable bend Side height 60

Type	Width mm	Plate thickness mm	Item no.
RBMV 610 FS	100	1	6040 48 0
RBMV 615 FS	150	1	6040 48 2
RBMV 620 FS	200	1	6040 48 4
RBMV 630 FS	300	1.25	6040 48 6
RBMV 640 FS	400	1.25	6040 48 8
RBMV 650 FS	500	1.5	6040 49 0
RBMV 660 FS	600	1.5	6040 49 2
RBMV 610 FT	100	1	6040 50 0
RBMV 615 FT	150	1	6040 50 2
RBMV 620 FT	200	1	6040 50 4
RBMV 630 FT	300	1.25	6040 50 6
RBMV 640 FT	400	1.25	6040 50 8
RBMV 650 FT	500	1.5	6040 51 0
RBMV 660 FT	600	1.5	6040 51 2



45° Magic bend

Type	Width mm	Item no.
RBM 45 610 FS	100	6041 04 0
RBM 45 615 FS	150	6041 04 2
RBM 45 620 FS	200	6041 04 4
RBM 45 630 FS	300	6041 04 6
RBM 45 640 FS	400	6041 04 8
RBM 45 650 FS	500	6041 05 0
RBM 45 660 FS	600	6041 05 2
RBM 45 610 FT	100	6041 06 0
RBM 45 615 FT	150	6041 06 2
RBM 45 620 FT	200	6041 06 4
RBM 45 630 FT	300	6041 06 6
RBM 45 640 FT	400	6041 06 8
RBM 45 650 FT	500	6041 07 0
RBM 45 660 FT	600	6041 07 2



90° Magic bend

Type	Width mm	Item no.
RBM 90 610 FS	100	6041 13 0
RBM 90 615 FS	150	6041 13 2
RBM 90 620 FS	200	6041 13 4
RBM 90 630 FS	300	6041 13 6
RBM 90 640 FS	400	6041 13 8
RBM 90 650 FS	500	6041 14 0
RBM 90 660 FS	600	6041 14 2
RBM 90 610 FT	100	6041 15 0
RBM 90 615 FT	150	6041 15 2
RBM 90 620 FT	200	6041 15 4
RBM 90 630 FT	300	6041 15 6
RBM 90 640 FT	400	6041 15 8
RBM 90 650 FT	500	6041 16 0
RBM 90 660 FT	600	6041 16 2



Magic add-on tee

Type	Width mm	Item no.
RAAM 610 FS	100	6041 23 0
RAAM 615 FS	150	6041 23 2
RAAM 620 FS	200	6041 23 4
RAAM 630 FS	300	6041 23 6
RAAM 640 FS	400	6041 23 8
RAAM 650 FS	500	6041 24 0
RAAM 660 FS	600	6041 24 2
RAAM 610 FT	100	6041 25 0
RAAM 615 FT	150	6041 25 2
RAAM 620 FT	200	6041 25 4
RAAM 630 FT	300	6041 25 7
RAAM 640 FT	400	6041 25 9
RAAM 650 FT	500	6041 26 1
RAAM 660 FT	600	6041 26 3



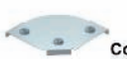
Cover for Magic variable bend

Type	Width mm	Plate thickness mm	Item no.
DFBMV 100 FS	100	1	6040 76 0
DFBMV 150 FS	150	1	6040 76 2
DFBMV 200 FS	200	1	6040 76 4
DFBMV 300 FS	300	1	6040 76 6
DFBMV 400 FS	400	1.25	6040 76 8
DFBMV 500 FS	500	1.25	6040 77 0
DFBMV 600 FS	600	1.25	6040 77 2
DFBMV 100 DD	100	1	6040 78 0
DFBMV 150 DD	150	1	6040 78 2
DFBMV 200 DD	200	1	6040 78 4
DFBMV 300 DD	300	1	6040 78 6
DFBMV 400 DD	400	1.25	6040 78 8
DFBMV 500 DD	500	1.25	6040 79 0
DFBMV 600 DD	600	1.25	6040 79 2



Cover for 45° Magic bend

Type	Width mm	Plate thickness mm	Item no.
DFBM 45 100 FS	100	1.25	7138 36 0
DFBM 45 150 FS	150	1.25	7138 36 2
DFBM 45 200 FS	200	1.25	7138 36 4
DFBM 45 300 FS	300	1.25	7138 36 6
DFBM 45 400 FS	400	1.25	7138 36 8
DFBM 45 500 FS	500	1.25	7138 37 0
DFBM 45 600 FS	600	1.25	7138 37 2
DFBM 45 100 DD	100	1.25	7138 40 0
DFBM 45 150 DD	150	1.25	7138 40 2
DFBM 45 200 DD	200	1.25	7138 40 4
DFBM 45 300 DD	300	1.25	7138 40 6
DFBM 45 400 DD	400	1.25	7138 40 8
DFBM 45 500 DD	500	1.25	7138 41 0
DFBM 45 600 DD	600	1.25	7138 41 2



Cover for 90° Magic bend

Type	Width mm	Plate thickness mm	Item no.
DFBM 90 100 FS	100	1.25	7138 50 0
DFBM 90 150 FS	150	1.25	7138 50 2
DFBM 90 200 FS	200	1.25	7138 50 4
DFBM 90 300 FS	300	1.25	7138 50 6
DFBM 90 400 FS	400	1.25	7138 50 8
DFBM 90 500 FS	500	1.25	7138 51 0
DFBM 90 600 FS	600	1.25	7138 51 2
DFBM 90 100 DD	100	1.25	7138 54 0
DFBM 90 150 DD	150	1.25	7138 54 2
DFBM 90 200 DD	200	1.25	7138 54 4
DFBM 90 300 DD	300	1.25	7138 54 6
DFBM 90 400 DD	400	1.25	7138 54 8
DFBM 90 500 DD	500	1.25	7138 55 0
DFBM 90 600 DD	600	1.25	7138 55 2



Cover for Magic add-on tee

Type	Width mm	Plate thickness mm	Item no.
DFAAM 100 FS	100	1.25	7138 64 0
DFAAM 150 FS	150	1.25	7138 64 2
DFAAM 200 FS	200	1.25	7138 64 4
DFAAM 300 FS	300	1.25	7138 64 6
DFAAM 400 FS	400	1.25	7138 64 8
DFAAM 500 FS	500	1.25	7138 65 0
DFAAM 600 FS	600	1.25	7138 65 2
DFAAM 100 DD	100	1.25	7138 68 0
DFAAM 150 DD	150	1.25	7138 68 2
DFAAM 200 DD	200	1.25	7138 68 4
DFAAM 300 DD	300	1.25	7138 68 6
DFAAM 400 DD	400	1.25	7138 68 8
DFAAM 500 DD	500	1.25	7138 69 0
DFAAM 600 DD	600	1.25	7138 69 2

Surfaces and areas of application: **FS** Strip galvanisation, for indoor use — **DD** Double-dip galvanisation, for outdoor use — **FT** Hot-dip galvanisation, for outdoor use

Always indicate the item number when ordering.

Selection aid, KTS Magic



Magic straight connector set

Type	Width mm	Side height mm	Item no.
KTSMV 610 FS	100	60	6068 91 4
KTSMV 615 FS	150	60	6068 91 6
KTSMV 620 FS	200	60	6068 91 8
KTSMV 630 FS	300	60	6068 92 0
KTSMV 640 FS	400	60	6068 92 2
KTSMV 650 FS	500	60	6068 92 4
KTSMV 660 FS	600	60	6068 92 6
KTSMV 610 DD	100	60	6068 93 6
KTSMV 615 DD	150	60	6068 93 8
KTSMV 620 DD	200	60	6068 94 0
KTSMV 630 DD	300	60	6068 94 2
KTSMV 640 DD	400	60	6068 94 4
KTSMV 650 DD	500	60	6068 94 6
KTSMV 660 DD	600	60	6068 94 8



Magic straight connector, side height 60

Type	Width mm	Item no.
FVM 610 DD	100	6065 71 0
FVM 615 DD	150	6065 71 2
FVM 620 DD	200	6065 71 4
FVM 630 DD	300	6065 71 6
FVM 640 DD	400	6065 71 8
FVM 650 DD	500	6065 72 0
FVM 660 DD	600	6065 72 2



Bottom end plate

Type	Width mm	Item no.
BEB 100 FS	100	7083 10 6
BEB 150 FS	150	7083 15 7
BEB 200 FS	200	7083 20 3
BEB 300 FS	300	7083 30 0
BEB 400 FS	400	7083 40 8
BEB 500 FS	500	7083 50 5
BEB 600 FS	600	7083 60 2
BEB 100 DD	100	7083 61 8
BEB 150 DD	150	7083 62 2
BEB 200 DD	200	7083 62 6
BEB 300 DD	300	7083 63 0
BEB 400 DD	400	7083 63 4
BEB 500 DD	500	7083 63 8
BEB 600 DD	600	7083 64 2



Barrier strip, 45 mm high

Type	height mm	Length mm	Item no.
TSG 45 FS	45	3000	6062 03 3
TSG 45 DD	45	3000	6062 32 1



Barrier strip connector

Type	height mm	Length mm	Item no.
TSGV VA4310	60	3000	6067 97 0



Barrier strip, 60 mm high

Type	height mm	Length mm	Item no.
TSG 60 FS	60	3000	6062 06 8
TSG 60 DD	60	3000	6062 32 7



Hold-down clamp for barrier strip fastening in RKSM

Type		Item no.
KS KR VA4310		6062 28 0



Adjustable connector

Type	Height mm		Item no.
RGV 60 FS	60		7082 01 0
RGV 60 FT	60		7082 22 3



Edge protection strip

Type	For plate thickness mm	Item no.
KSB 2 PVC	1-2	6072 90 9
KSB 4 PVC	1-4	6072 89 5



Mounting system Light-duty

US 3 suspended support

Type	Length mm	Material thickness mm	Item no.
US 3 K 20 FT	200	2	6342 35 1
US 3 K 30 FT	300	2	6342 35 3
US 3 K 40 FT	400	2	6342 35 5
US 3 K 50 FT	500	2	6342 35 7
US 3 K 60 FT	600	2	6342 35 9
US 3 K 70 FT	700	2	6342 36 2



Wall and support bracket MWAM 12

Type	Width mm	Item no.
MWAM 12 11 FS	110	6424 55 0
MWAM 12 21 FS	210	6424 55 2
MWAM 12 31 FS	310	6424 55 4
MWAM 12 41 FS	410	6424 55 6

Including truss-head bolt M 10 x 25 for fastening to U supports.



Spacer

Type		Item no.
DSK 25 FT		6416 44 6



Hexagonal bolt

Type		Item no.
SKS 10X80 F		6418 25 0



Mounting system Medium-duty

US 5 support

Type	Length mm	Material thickness mm	Item no.
US 5 K 20 FT	200	2.5	6341 52 7
US 5 K 30 FT	300	2.5	6341 53 5
US 5 K 40 FT	400	2.5	6341 54 3
US 5 K 50 FT	500	2.5	6341 55 1
US 5 K 60 FT	600	2.5	6341 57 8
US 5 K 70 FT	700	2.5	6341 58 6



Wall and support bracket AW 15

Type	Width mm	Item no.
AW 15 11 FT	110	6420 65 6
AW 15 16 FT	160	6420 66 4
AW 15 21 FT	210	6420 68 0
AW 15 31 FT	310	6420 71 0
AW 15 41 FT	410	6420 74 5
AW 15 51 FT	510	6420 78 8
AW 15 61 FT	610	6420 82 6



Truss-head bolt with combination flange nut

Type		Item no.
FRSB 6X12F		6406 12 2



Spacer

Type		Item no.
DSK 45 FT		6416 50 0



Hexagonal bolt

Type		Item no.
SKS 10X80 F		6418 25 0
SKS 10X90 F		6418 25 2
SKS 10X120 F		3160 79 3



Mounting system Heavy-duty

US 7 support

Type	Length mm	Material thickness mm	Item no.
US 7 K 20 FT	200	4	6339 01 8
US 7 K 30 FT	300	4	6339 03 4
US 7 K 40 FT	400	4	6339 05 0
US 7 K 50 FT	500	4	6339 07 7
US 7 K 60 FT	600	4	6339 09 3
US 7 K 70 FT	700	4	6339 11 5



Wall and support bracket AW 30

Type	Width mm	Item no.
AW 30 11 FT	110	6419 70 4
AW 30 16 FT	160	6419 71 2
AW 30 21 FT	210	6419 72 0
AW 30 31 FT	310	6419 74 7
AW 30 41 FT	410	6419 76 3
AW 30 51 FT	510	6419 79 8
AW 30 61 FT	610	6419 82 8



Truss-head bolt with combination flange nut

Type		Item no.
FRSB 6X12F		6406 12 2



Spacer

Type		Item no.
DSK 61 FT		6416 51 9



Hexagonal bolt

Type		Item no.
SKS 12X80 F		6418 28 7
SKS 12X100 F		6418 29 5
SKS 12X110 F		6418 31 7
SKS 12X130 F		6408 47 8



End cap

Type		Item no.
US 3 KS OR		6338 45 8
US 5 KS OR		6338 46 2
US 7 KS OR		6338 49 7

You can find our complete product range and additional information in our catalogues. +

Surfaces and areas of application: **FS** Strip galvanisation, for indoor use **DD** Double-dip galvanisation, for outdoor use **F** Electrogalvanisation, for outdoor use **FT** Hot-dip galvanisation, for outdoor use **V2A** Stainless steel, rustproof

Cable tray RKS-Magic® 60



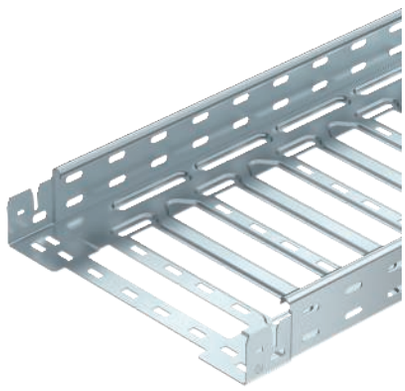
Type	Width mm	Plate thickness mm	BS	Pack. m	Weight kg/100 m	Item No.
RKSM 610 FS	100	0.75	–	3	133.380	**6047611**
RKSM 615 FS	150	0.75	–	3	155.080	**6047630**
RKSM 620 FS	200	0.75	–	3	183.000	**6047638**
RKSM 630 FS	300	0.75	–	3	235.080	**6047654**
RKSM 640 FS	400	0.90	–	3	331.340	**6047689**
RKSM 650 FS	500	0.90	–	3	385.900	**6047719**
RKSM 660 FS	600	0.90	–	3	453.340	**6047735**
RKSM 610 FT	100	1.00	–	3	197.409	**6047612**
RKSM 615 FT	150	1.00	–	3	236.980	**6047631**
RKSM 620 FT	200	1.00	–	3	251.111	**6047639**
RKSM 630 FT	300	1.00	–	3	356.295	**6047655**
RKSM 640 FT	400	1.00	–	3	419.350	**6047690**

St Steel

FS Strip-galvanised FT Hot-dip galvanised

Continuous equipotential bonding is guaranteed without additional components.
Cable tray with integrated quick fastening system. The usable length of the cable tray is 3,000 mm.
The cable tray possesses continuous side perforations of 7 x 20 mm for the installation of additional connection and mounting components.
The perforation for direct threaded rod suspension has a diameter of 11 mm.
Magnetic shield insulation without cover 20 dB, with cover 50 dB.

Cable tray MKS-Magic® 60



Type	Width mm	Plate thickness mm	Pack. m	Weight kg/100 m	Item No.
MKSM 610 FS	100	1.00	3	165.000	**6059000**
MKSM 615 FS	150	1.00	3	201.000	**6059002**
MKSM 620 FS	200	1.00	3	219.340	**6059004**
MKSM 630 FS	300	1.00	3	256.720	**6059006**
MKSM 640 FS	400	1.00	3	294.000	**6059008**
MKSM 650 FS	500	1.00	3	331.500	**6059010**
MKSM 660 FS	600	1.00	3	368.850	**6059012**
MKSM 610 FT	100	1.00	3	180.000	**6059018**
MKSM 615 FT	150	1.00	3	219.000	**6059020**
MKSM 620 FT	200	1.00	3	239.340	**6059022**
MKSM 630 FT	300	1.00	3	280.000	**6059025**
MKSM 640 FT	400	1.00	3	320.650	**6059027**
MKSM 650 FT	500	1.00	3	361.300	**6059029**
MKSM 660 FT	600	1.00	3	402.300	**6059032**

St Steel

FS Strip-galvanised FT Hot-dip galvanised

Continuous equipotential bonding is guaranteed without additional components.
Cable tray with integrated quick fastening system. The usable length of the cable tray is 3,000 mm.
The cable tray possesses continuous side perforations of 7 x 20 mm for the installation of additional connection and mounting components.

Always indicate the item number when ordering.

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Cable tray MKS-Magic® 60, unperforated



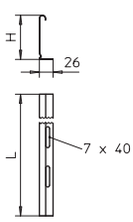
Type	Width mm	Plate thickness mm	Pack. m	Weight kg/100 m	Item No.
MKSMU 610 FS	100	1.00	3	191.150	**6059230**
MKSMU 615 FS	150	1.00	3	230.500	**6059232**
MKSMU 620 FS	200	1.00	3	269.840	**6059234**
MKSMU 630 FS	300	1.00	3	348.200	**6059237**
MKSMU 640 FS	400	1.00	3	426.580	**6059239**
MKSMU 650 FS	500	1.00	3	505.250	**6059241**
MKSMU 660 FS	600	1.00	3	583.600	**6059243**
MKSMU 610 FT	100	1.00	3	208.500	**6059248**
MKSMU 615 FT	150	1.00	3	253.280	**6059250**
MKSMU 620 FT	200	1.00	3	296.721	**6059252**
MKSMU 630 FT	300	1.00	3	379.672	**6059254**
MKSMU 640 FT	400	1.00	3	465.246	**6059256**
MKSMU 650 FT	500	1.00	3	550.820	**6059258**
MKSMU 660 FT	600	1.00	3	636.390	**6059260**

St Steel

FS Strip-galvanised FT Hot-dip galvanised

Unperforated cable tray with quick connection system, including all the relevant connection components for time-saving and economic installation.
The stock length is 3,050 mm, the useful length when combined is 3,000 mm.
The spring element FED 60 can be ordered separately as an accessory part (spare) for the Magic cable trays of side height 60 mm, 85 mm and 110 mm under the article number 6068859.
Continuous equipotential bonding is guaranteed without additional components.
VDE-tested cable tray system.
MKSMU 60 = Medium-duty Magic cable tray system, unperforated, with a side height of 60 mm.

Separating retainer 45





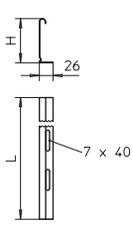
Type	Dimension H mm	Plate thickness mm	Dimension L mm	Pack. m	Weight kg/100 m	Item No.
TSG 45 FS	45	0.75	3000	3	46.700	**6062033**
TSG 45 DD	45	0.75	3000	3	46.800	**6062321**

St Steel

FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

Separating retainer for separation of cables of different voltages or functions.

Barrier strip 45



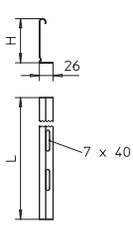


Type	Dimension H mm	Plate thickness mm	Dimension L mm	Pack. m	Weight kg/100 m	Item No.
TSG 45 A2	45	0.75	3000	3	47.000	**6062025**

A2 Stainless steel, rustproof

Separating retainer for separation of cables of different voltages or functions.

Separating retainer 60





Type	Dimension H mm	Plate thickness mm	Dimension L mm	Pack. m	Weight kg/100 m	Item No.
TSG 60 FS	60	0.75	3000	3	55.700	**6062068**
TSG 60 DD	60	0.75	3000	3	55.700	**6062327**

St Steel

FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

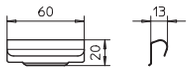
Separating retainer for separation of cables of different voltages or functions.

Always indicate the item number when ordering.

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Separating retainer connector





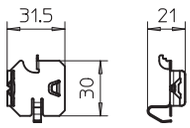
Type		Pack. pcs	Weight kg/100 pcs.	Item No.
TSGV A2		10	0.899	**6067970**

A2 Stainless steel, rustproof

Separating retainer connector for screwless connection of the TSG separating retainer in all side heights.

Hold-down clamp for separating retainer fastening in RKSM





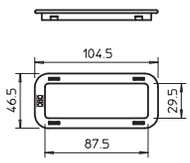
Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KS KR A2		30	0.537	**6062280**

A2 Stainless steel, rustproof

Clamping piece for screwless fastening of separating retainer in the cable tray types RKSM, MKS and SKS.

Cable protection ring DR 920 PE



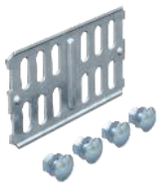


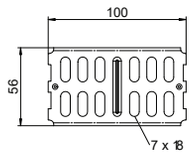
Type	Colour	for perforation mm	Pack. pcs	Weight kg/100 pcs.	Item No.
KSR-DR 920 PE	Light grey	32 x 90	25	0.637	**6087965**

PE Polyethylene

Cable protection ring for side perforation in the side rails of the IKS cable tray.

Straight connector





Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RLVK 60 FS	60	10	9.976	**6067093**
RLVK 60 FT	60	10	10.300	**6067603**

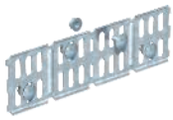
St Steel

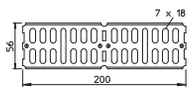
FS Strip-galvanised FT Hot-dip galvanised

Including appropriate fastening material.

Straight connector for straight connection of cable trays and fittings with a side height of 60 mm.

Straight and angle connector 60





Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RWVL 60 FS	60	10	16.400	**6067115**
RWVL 60 FT	60	10	17.400	**6067611**

St Steel

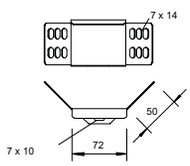
FS Strip-galvanised FT Hot-dip galvanised

Including appropriate fastening material.

Straight and angle connector for cable trays and fittings with a side height of 60 mm.

Angle connector 60





Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WKV 60 FS	60	5	14.700	**6043062**
WKV 60 FT	60	5	15.800	**6042910**

St Steel

FS Strip-galvanised FT Hot-dip galvanised

Including appropriate fastening material.

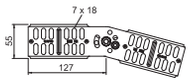
Angle connector for cable trays with a side height of 60 mm.

Always indicate the item number when ordering.

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Adjustable connector 60

Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RGV 60 FS	60	10	25.100	**7082010**
RGV 60 FT	60	10	26.100	**7082223**





St Steel

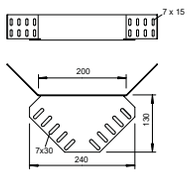
FS Strip-galvanised FT Hot-dip galvanised

Including appropriate fastening material.

Adjustable connector for cable trays with a side height of 60 mm.

Corner connector 60

Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
REV 60 FS	60	10	35.200	**6067972**
REV 60 DD	60	10	32.000	**6069410**





St Steel

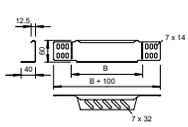
FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

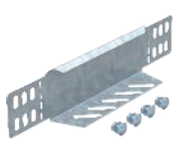
Fastening materials should be ordered separately.

Corner connector for cable trays with side height 60 mm.

Reducer / stop-end 60

Type	Side height mm	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RWEB 610 FS	60	100	1	12.300	**7109105**
RWEB 615 FS	60	150	1	17.600	**7109156**
RWEB 620 FS	60	200	1	22.800	**7109202**
RWEB 630 FS	60	300	1	30.700	**7109296**
RWEB 640 FS	60	400	1	39.600	**7109407**
RWEB 650 FS	60	500	1	47.500	**7109504**
RWEB 660 FS	60	600	1	55.500	**7109601**
RWEB 610 DD	60	100	1	12.300	**7106106**
RWEB 615 DD	60	150	1	17.900	**7106110**
RWEB 620 DD	60	200	1	22.600	**7106114**
RWEB 630 DD	60	300	1	30.700	**7106118**
RWEB 640 DD	60	400	1	39.600	**7106122**
RWEB 650 DD	60	500	1	47.500	**7106126**
RWEB 660 DD	60	600	1	55.500	**7106130**





St Steel

FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

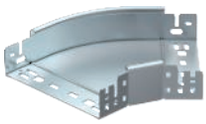
From a width of 150 mm, a perforated lower flange is available.
Including appropriate fastening material.

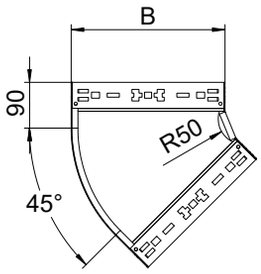
Reducer and end closure plate for cable trays with side height 60 mm.

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Always indicate the item number when ordering.

45° Magic bend





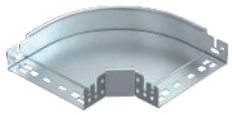
Type	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RBM 45 610 FS	100	1	50.400	**6041040**
RBM 45 615 FS	150	1	67.300	**6041042**
RBM 45 620 FS	200	1	85.500	**6041044**
RBM 45 630 FS	300	1	127.700	**6041046**
RBM 45 640 FS	400	1	174.800	**6041048**
RBM 45 650 FS	500	1	232.700	**6041050**
RBM 45 660 FS	600	1	298.300	**6041052**
RBM 45 610 FT	100	1	54.000	**6041060**
RBM 45 615 FT	150	1	72.200	**6041062**
RBM 45 620 FT	200	1	92.400	**6041064**
RBM 45 630 FT	300	1	137.800	**6041066**
RBM 45 640 FT	400	1	187.400	**6041068**
RBM 45 650 FT	500	1	249.500	**6041070**
RBM 45 660 FT	600	1	319.900	**6041072**

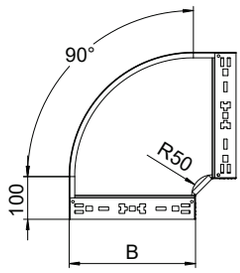
St Steel

FS Strip-galvanised FT Hot-dip galvanised

45° bend with quick connector system. For all cable tray types of 60 mm side height.

90° Magic bend





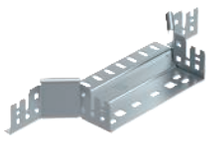
Type	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RBM 90 610 FS	100	1	65.700	**6041130**
RBM 90 615 FS	150	1	91.900	**6041132**
RBM 90 620 FS	200	1	121.900	**6041134**
RBM 90 630 FS	300	1	192.200	**6041136**
RBM 90 640 FS	400	1	274.700	**6041138**
RBM 90 650 FS	500	1	376.300	**6041140**
RBM 90 660 FS	600	1	493.000	**6041142**
RBM 90 610 FT	100	1	70.700	**6041150**
RBM 90 615 FT	150	1	99.300	**6041152**
RBM 90 620 FT	200	1	131.300	**6041154**
RBM 90 630 FT	300	1	207.500	**6041156**
RBM 90 640 FT	400	1	296.300	**6041158**
RBM 90 650 FT	500	1	406.300	**6041160**
RBM 90 660 FT	600	1	532.300	**6041162**

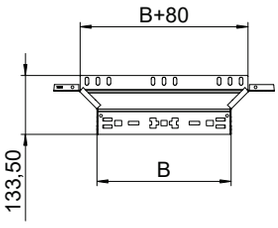
St Steel

FS Strip-galvanised FT Hot-dip galvanised

90° bend with quick connector system. For all cable tray types of 60 mm side height.

Magic add-on tee





Type	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RAAM 610 FS	100	1	37.700	**6041230**
RAAM 615 FS	150	1	44.300	**6041232**
RAAM 620 FS	200	1	50.100	**6041234**
RAAM 630 FS	300	1	62.900	**6041236**
RAAM 640 FS	400	1	75.700	**6041238**
RAAM 650 FS	500	1	89.300	**6041240**
RAAM 660 FS	600	1	102.700	**6041242**
RAAM 610 FT	100	1	40.800	**6041250**
RAAM 615 FT	150	1	47.500	**6041252**
RAAM 620 FT	200	1	54.200	**6041254**
RAAM 630 FT	300	1	68.000	**6041257**
RAAM 640 FT	400	1	81.800	**6041259**
RAAM 650 FT	500	1	105.400	**6041261**
RAAM 660 FT	600	1	110.100	**6041263**

St Steel

FS Strip-galvanised FT Hot-dip galvanised

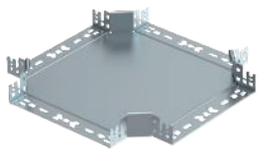
Magic add-on tee with quick connector system. For all cable tray types of 60 mm side height.

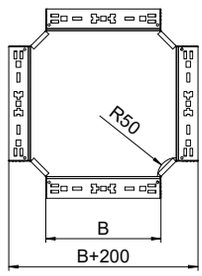
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Always indicate the item number when ordering.

Magic cross-over

Type	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RKM 610 FS	100	1	92.500	**7027001**
RKM 615 FS	150	1	123.800	**7027003**
RKM 620 FS	200	1	159.800	**7027005**
RKM 630 FS	300	1	244.600	**7027007**
RKM 640 FS	400	1	343.400	**7027009**
RKM 650 FS	500	1	468.300	**7027011**
RKM 660 FS	600	1	610.100	**7027013**
RKM 610 FT	100	1	100.000	**7027021**
RKM 620 FT	200	1	172.700	**7027025**
RKM 630 FT	300	1	264.300	**7027027**
RKM 640 FT	400	1	368.200	**7027029**
RKM 650 FT	500	1	502.200	**7027031**
RKM 660 FT	600	1	658.800	**7027033**





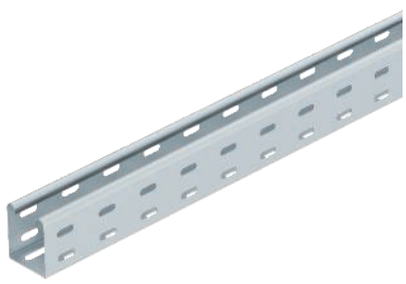
St Steel

FS Strip-galvanised FT Hot-dip galvanised

Cross-over with quick connector system. For all cable tray types of 60 mm side height.

Cable tray RKS 60

Type	Width mm	Plate thickness mm	Pack. m	Weight kg/100 m	Item No.
RKS 605 FS	50	0.75	3	105.634	**6055885**



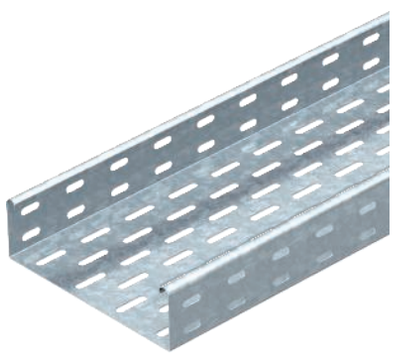
St Steel

FS Strip-galvanised

Including RV 60 longitudinal connector set.
The cable tray is fixed to the bracket with bolts, type FRS M6 x 12.
RKS 60 = Rational cable tray system with 60 mm side height (unbeaded base plate).

Cable tray MKS 60

Type	Width mm	Plate thickness mm	Pack. m	Weight kg/100 m	Item No.
MKS 605 FS	50	1.00	3	143.670	**6055052**
MKS 605 FT	50	1.00	3	150.000	**6055516**



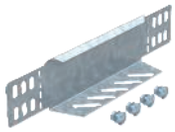
St Steel

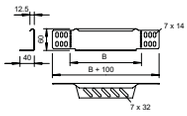
FS Strip-galvanised FT Hot-dip galvanised

Tested for installation above suspended fire protection ceilings (tray widths 100 - 400 mm, fire load 30 minutes, mounting work and parameters according to fire protection reports)
MKS 60 = medium-duty cable tray system with a side height of 60 mm. FS version includes RV 60 straight connector set.

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Reducer / stop-end 60





Type	Side height mm	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RWEB 610 FS	60	100	1	12.300	**7109105**
RWEB 615 FS	60	150	1	17.600	**7109156**
RWEB 620 FS	60	200	1	22.800	**7109202**
RWEB 630 FS	60	300	1	30.700	**7109296**
RWEB 640 FS	60	400	1	39.600	**7109407**
RWEB 650 FS	60	500	1	47.500	**7109504**
RWEB 660 FS	60	600	1	55.500	**7109601**
RWEB 610 DD	60	100	1	12.300	**7106106**
RWEB 615 DD	60	150	1	17.900	**7106110**
RWEB 620 DD	60	200	1	22.600	**7106114**
RWEB 630 DD	60	300	1	30.700	**7106118**
RWEB 640 DD	60	400	1	39.600	**7106122**
RWEB 650 DD	60	500	1	47.500	**7106126**
RWEB 660 DD	60	600	1	55.500	**7106130**

St Steel

FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

From a width of 150 mm, a perforated lower flange is available.
Including appropriate fastening material.

Reducer and end closure plate for cable trays with side height 60 mm.

Add-on tee



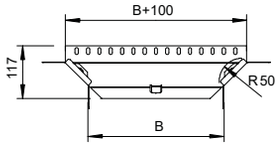
Type	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RAA 605 FT	50	1	176.000	**7121103**

St Steel

FT Hot-dip galvanised

The fitting is shipped in an unmounted state.
Including appropriate fastening material.

Add-on tee for horizontal and vertical use.

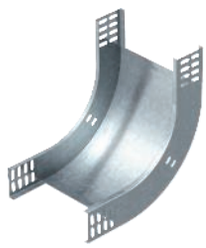


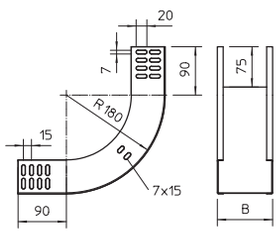
Always indicate the item number when ordering.

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90° vertical bend, rising

Type	Side height mm	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RBV 605 S FS	60	50	1	50.000	**7007001**
RBV 610 S FS	60	100	1	66.000	**7007005**
RBV 615 S FS	60	150	1	78.000	**7007009**
RBV 620 S FS	60	200	1	95.000	**7007013**
RBV 630 S FS	60	300	1	124.000	**7007017**
RBV 640 S FS	60	400	1	153.000	**7007021**
RBV 650 S FS	60	500	1	181.000	**7007025**
RBV 660 S FS	60	600	1	210.000	**7007029**
RBV 605 S FT	60	50	1	54.000	**7007002**
RBV 610 S FT	60	100	1	71.000	**7007006**
RBV 615 S FT	60	150	1	84.000	**7007010**
RBV 620 S FT	60	200	1	103.000	**7007014**
RBV 630 S FT	60	300	1	134.000	**7007018**
RBV 640 S FT	60	400	1	163.000	**7007022**
RBV 650 S FT	60	500	1	190.000	**7007026**
RBV 660 S FT	60	600	1	221.000	**7007030**





St Steel

FS Strip-galvanised FT Hot-dip galvanised

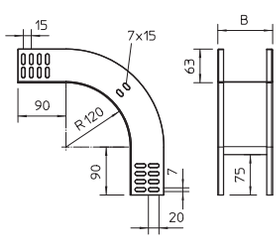
The vertical bend is pushed over the end of the cable tray and screwed tight.
Fastening materials should be ordered separately.

90° rising vertical bend, for all cable tray types of 60 mm side height.

90° vertical bend, falling

Type	Side height mm	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RBV 605 F FS	60	50	1	49.000	**7007051**
RBV 610 F FS	60	100	1	61.000	**7007055**
RBV 615 F FS	60	150	1	73.000	**7007059**
RBV 620 F FS	60	200	1	84.000	**7007063**
RBV 630 F FS	60	300	1	107.000	**7007067**
RBV 640 F FS	60	400	1	130.000	**7007071**
RBV 650 F FS	60	500	1	153.000	**7007075**
RBV 660 F FS	60	600	1	176.000	**7007079**
RBV 605 F FT	60	50	1	53.000	**7007052**
RBV 610 F FT	60	100	1	66.000	**7007056**
RBV 615 F FT	60	150	1	80.000	**7007060**
RBV 620 F FT	60	200	1	92.000	**7007064**
RBV 630 F FT	60	300	1	116.000	**7007068**
RBV 640 F FT	60	400	1	142.000	**7007072**
RBV 650 F FT	60	500	1	167.000	**7007076**
RBV 660 F FT	60	600	1	192.000	**7007080**





St Steel

FS Strip-galvanised FT Hot-dip galvanised

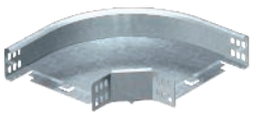
The vertical bend is pushed over the end of the cable tray and screwed tight.
Fastening materials should be ordered separately.

90° vertical bend, falling, for all cable tray types of 60 mm side height.

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Always indicate the item number when ordering.

90° bend

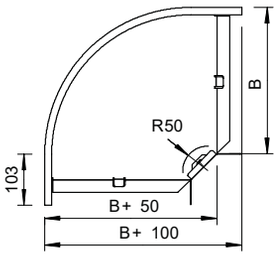


Type	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RB 90 605 FT	50	1	98.000	**7125098**

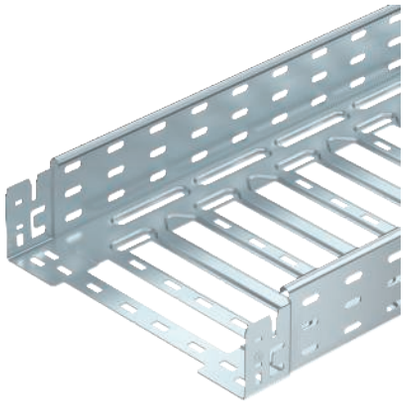
St Steel

FT Hot-dip galvanised

The fitting is shipped in an unmounted state.
Including appropriate fastening material.
The 50 mm width has a rectangle shape and does not correspond to the image.



Cable tray MKS-Magic® 85



Type	Width mm	Plate thickness mm	Pack. m	Weight kg/100 m	Item No.
MKSM 810 FS	100	1.00	3	200.000	**6059080**
MKSM 820 FS	200	1.00	3	254.750	**6059084**
MKSM 830 FS	300	1.00	3	292.130	**6059086**
MKSM 840 FS	400	1.00	3	329.500	**6059088**
MKSM 850 FS	500	1.00	3	366.900	**6059090**
MKSM 860 FS	600	1.00	3	403.930	**6059092**
MKSM 810 FT	100	1.00	3	218.000	**6059097**
MKSM 820 FT	200	1.00	3	277.700	**6059101**
MKSM 830 FT	300	1.00	3	318.700	**6059103**
MKSM 840 FT	400	1.00	3	359.340	**6059105**
MKSM 850 FT	500	1.00	3	400.000	**6059107**
MKSM 860 FT	600	1.00	3	440.300	**6059109**

St Steel

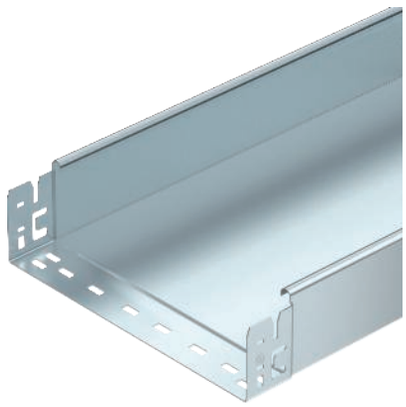
FS Strip-galvanised FT Hot-dip galvanised

Cable tray with quick connection system, including all the relevant connection components for time-saving and economic installation, with beaded straight base perforation, 7 x 79 mm, for bracket mounting. All widths with cross beading for stabilisation and duct ventilation. Continuous side perforation, 7 x 20 mm, as additional connector perforation. From a cable tray width of 200 mm, they are suitable for use under sprinkler systems according to VdS guideline 2092 permeable cable tray system with 30% hole surface. The stock length is 3,050 mm, the useful length when combined is 3,000 mm. The spring element FED 60 can be ordered separately as an accessory part (spare) for the Magic cable trays of side height 60 mm, 85 mm and 110 mm under the article number 6068859. Continuous equipotential bonding is guaranteed without additional components.
MKSM 85 = medium-duty Magic cable tray system with a side height of 85 mm.

Always indicate the item number when ordering.

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Cable tray MKS-Magic® 85, unperforated



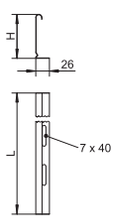
Type	Dimension B mm	Plate thickness mm	Pack. m	Weight kg/100 m	Item No.
MKSMU 810 FS	100	1.00	3	230.170	**6059308**
MKSMU 820 FS	200	1.00	3	308.850	**6059312**
MKSMU 830 FS	300	1.00	3	387.213	**6059314**
MKSMU 840 FS	400	1.00	3	465.570	**6059316**
MKSMU 850 FS	500	1.00	3	544.260	**6059318**
MKSMU 860 FS	600	1.00	3	622.950	**6059320**
MKSMU 810 FT	100	1.00	3	251.150	**6059325**
MKSMU 820 FT	200	1.00	3	336.720	**6059329**
MKSMU 830 FT	300	1.00	3	422.290	**6059331**
MKSMU 840 FT	400	1.00	3	507.500	**6059333**
MKSMU 850 FT	500	1.00	3	593.440	**6059335**
MKSMU 860 FT	600	1.00	3	679.340	**6059337**

St Steel

FS Strip-galvanised FT Hot-dip galvanised

Unperforated cable tray with quick connection system, including all the relevant connection components for time-saving and economic installation.
The stock length is 3,050 mm, the useful length when combined is 3,000 mm.
The spring element FED 60 can be ordered separately as an accessory part (spare) for the Magic cable trays of side height 60 mm, 85 mm and 110 mm under the article number 6068859.
Continuous equipotential bonding is guaranteed without additional components.
VDE-tested cable tray system.
MKSMU 85 = Medium duty Magic cable tray system, unperforated, with a side height of 85 mm.

Barrier strip 85





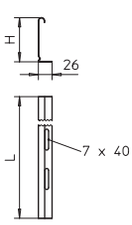
Type	Dimension H mm	Plate thickness mm	Dimension L mm	Pack. m	Weight kg/100 m	Item No.
TSG 85 FS	85	0.75	3000	3	70.300	**6062114**
TSG 85 DD	85	0.75	3000	3	70.300	**6062331**

St Steel

FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

Separating retainer for separation of cables of different voltages or functions.

Barrier strip 85



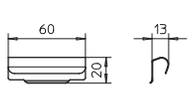


Type	Dimension H mm	Plate thickness mm	Dimension L mm	Pack. m	Weight kg/100 m	Item No.
TSG 85 A2	85	0.75	3000	3	69.670	**6062173**

A2 Stainless steel, rustproof

Barrier strip for separation of cables of different voltages or functions.

Separating retainer connector





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
TSGV A2	10	0.899	**6067970**

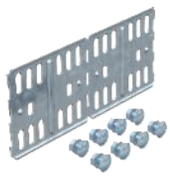
A2 Stainless steel, rustproof

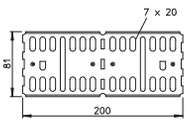
Separating retainer connector for screwless connection of the TSG separating retainer in all side heights.

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Always indicate the item number when ordering.

Straight and angle connector





Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RLVL 85 FS	85	10	27.300	**6067123**
RLVL 85 FT	85	10	28.300	**6067816**

St Steel

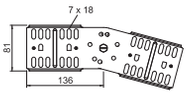
FS Strip-galvanised FT Hot-dip galvanised

Including appropriate fastening material.

Straight and angle connector for cable trays and fittings with a side height of 85 mm.

Adjustable connector





Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RGV 85 FS	85	10	44.100	**7082029**
RGV 85 FT	85	10	45.900	**7082320**

St Steel

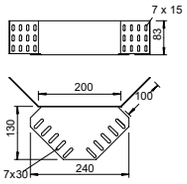
FS Strip-galvanised FT Hot-dip galvanised

Including appropriate fastening material.

Adjustable connector for cable trays with a side height of 85 mm.

Corner connector





Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
REV 85 FS	85	10	61.000	**6067980**
REV 85 DD	85	10	61.000	**6069320**

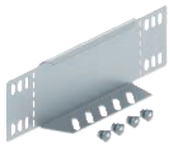
St Steel

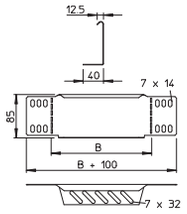
FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

Fastening materials should be ordered separately.

Corner connector for cable trays with side height 85 mm.

Reducer / stop-end





Type	Side height mm	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RWEB 810 FS	85	100	1	12.000	**7110103**
RWEB 820 FS	85	200	1	23.000	**7110200**
RWEB 830 FS	85	300	1	33.000	**7110308**
RWEB 840 FS	85	400	1	43.000	**7110405**
RWEB 850 FS	85	500	1	53.000	**7110502**
RWEB 860 FS	85	600	1	63.000	**7110618**
RWEB 810 DD	85	100	1	12.000	**7107315**
RWEB 820 DD	85	200	1	23.000	**7107331**
RWEB 830 DD	85	300	1	33.000	**7107366**
RWEB 840 DD	85	400	1	43.000	**7107382**
RWEB 850 DD	85	500	1	53.000	**7107404**
RWEB 860 DD	85	600	1	63.000	**7107420**

St Steel

FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

From a width of 150 mm, a perforated bottom flange is available.

Including appropriate fastening material.

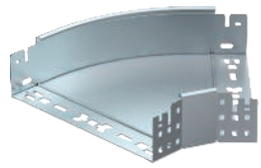
Reducer/stop-end for cable trays with side height 85 mm.

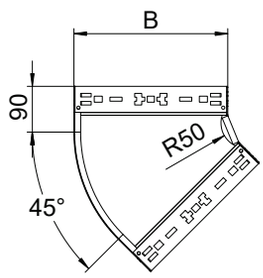
Always indicate the item number when ordering.

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45° Magic bend

Type	Side height mm	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RBM 45 810 FS	85	100	1	60.600	**6041410**
RBM 45 820 FS	85	200	1	98.100	**6041412**
RBM 45 830 FS	85	300	1	142.300	**6041414**
RBM 45 840 FS	85	400	1	190.900	**6041416**
RBM 45 850 FS	85	500	1	250.700	**6041418**
RBM 45 860 FS	85	600	1	318.200	**6041420**
RBM 45 810 FT	85	100	1	65.000	**6041430**
RBM 45 820 FT	85	200	1	105.200	**6041432**
RBM 45 830 FT	85	300	1	152.600	**6041434**
RBM 45 840 FT	85	400	1	204.700	**6041436**
RBM 45 850 FT	85	500	1	268.800	**6041438**
RBM 45 860 FT	85	600	1	341.200	**6041440**





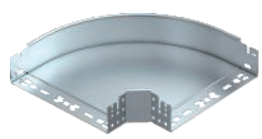
St Steel

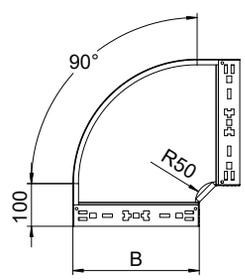
FS Strip-galvanised FT Hot-dip galvanised

45° bend with quick connector system. For all cable tray types of 85 mm side height.

90° Magic bend

Type	Side height mm	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RBM 90 810 FS	85	100	1	78.500	**6041490**
RBM 90 820 FS	85	200	1	138.200	**6041492**
RBM 90 830 FS	85	300	1	213.300	**6041494**
RBM 90 840 FS	85	400	1	299.700	**6041496**
RBM 90 850 FS	85	500	1	405.300	**6041498**
RBM 90 860 FS	85	600	1	526.400	**6041500**
RBM 90 810 FT	85	100	1	84.200	**6041510**
RBM 90 820 FT	85	200	1	148.700	**6041512**
RBM 90 830 FT	85	300	1	228.700	**6041514**
RBM 90 840 FT	85	400	1	321.400	**6041516**
RBM 90 850 FT	85	500	1	434.600	**6041518**
RBM 90 860 FT	85	600	1	564.500	**6041520**





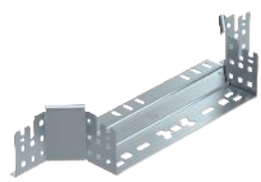
St Steel

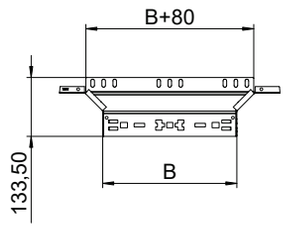
FS Strip-galvanised FT Hot-dip galvanised

90° bend with quick connector system. For all cable tray types of 85 mm side height.

Magic add-on tee

Type	Side height mm	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RAAM 810 FS	85	100	1	45.700	**6041570**
RAAM 820 FS	85	200	1	58.400	**6041572**
RAAM 830 FS	85	300	1	71.300	**6041574**
RAAM 840 FS	85	400	1	84.300	**6041576**
RAAM 850 FS	85	500	1	97.100	**6041578**
RAAM 860 FS	85	600	1	110.500	**6041580**
RAAM 810 FT	85	100	1	49.000	**6041590**
RAAM 820 FT	85	200	1	62.600	**6041592**
RAAM 830 FT	85	300	1	76.500	**6041594**
RAAM 840 FT	85	400	1	90.400	**6041596**
RAAM 850 FT	85	500	1	104.100	**6041598**
RAAM 860 FT	85	600	1	118.500	**6041600**





St Steel

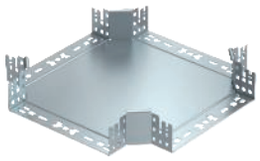
FS Strip-galvanised FT Hot-dip galvanised

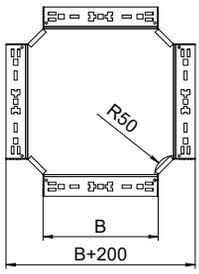
Add-on tee with quick connector system. For all cable tray types of 85 mm side height.

Always indicate the item number when ordering.

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Magic cross-over





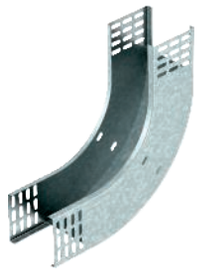
Type	Side height mm	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RKM 810 FS	85	100	1	108.700	**7027081**
RKM 820 FS	85	200	1	176.300	**7027085**
RKM 830 FS	85	300	1	261.600	**7027087**
RKM 840 FS	85	400	1	358.900	**7027089**
RKM 850 FS	85	500	1	483.800	**7027091**
RKM 860 FS	85	600	1	628.400	**7027093**
RKM 810 FT	85	100	1	116.600	**7027101**
RKM 820 FT	85	200	1	189.100	**7027105**
RKM 830 FT	85	300	1	280.500	**7027107**
RKM 840 FT	85	400	1	384.900	**7027109**
RKM 850 FT	85	500	1	518.900	**7027111**
RKM 860 FT	85	600	1	673.900	**7027113**

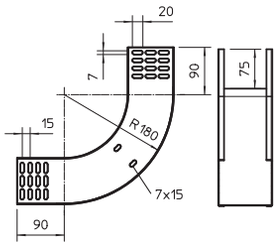
St Steel

FS Strip-galvanised FT Hot-dip galvanised

Cross-over with quick connector system. For all cable tray types of 85 mm side height.

90° vertical bend, rising





Type	Side height mm	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RBV 810 S FS	85	100	1	97.100	**7007230**
RBV 820 S FS	85	200	1	132.600	**7007234**
RBV 830 S FS	85	300	1	156.200	**7007238**
RBV 840 S FS	85	400	1	179.900	**7007242**
RBV 850 S FS	85	500	1	203.500	**7007246**
RBV 860 S FS	85	600	1	227.100	**7007250**
RBV 810 S FT	85	100	1	97.100	**7007231**
RBV 820 S FT	85	200	1	132.600	**7007235**
RBV 830 S FT	85	300	1	156.200	**7007239**
RBV 840 S FT	85	400	1	179.900	**7007243**
RBV 850 S FT	85	500	1	203.500	**7007247**
RBV 860 S FT	85	600	1	227.100	**7007251**

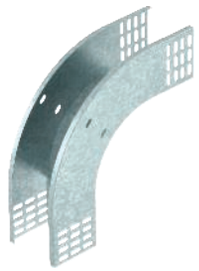
St Steel

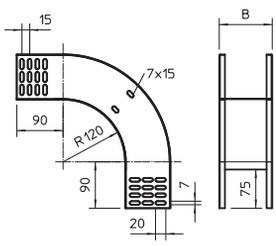
FS Strip-galvanised FT Hot-dip galvanised

The vertical bend is pushed over the end of the cable tray and screwed tight.
Fastening materials should be ordered separately.

90° rising vertical bend, for all cable tray types of 85 mm side height.

90° vertical bend, falling





Type	Side height mm	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RBV 810 F FS	85	100	1	86.600	**7007270**
RBV 820 F FS	85	200	1	104.200	**7007274**
RBV 830 F FS	85	300	1	121.800	**7007278**
RBV 840 F FS	85	400	1	139.500	**7007282**
RBV 850 F FS	85	500	1	157.100	**7007286**
RBV 860 F FS	85	600	1	174.700	**7007290**
RBV 810 F FT	85	100	1	86.600	**7007271**
RBV 820 F FT	85	200	1	104.200	**7007275**
RBV 830 F FT	85	300	1	121.800	**7007279**
RBV 840 F FT	85	400	1	139.500	**7007283**
RBV 850 F FT	85	500	1	157.100	**7007287**
RBV 860 F FT	85	600	1	174.700	**7007291**

St Steel

FS Strip-galvanised FT Hot-dip galvanised

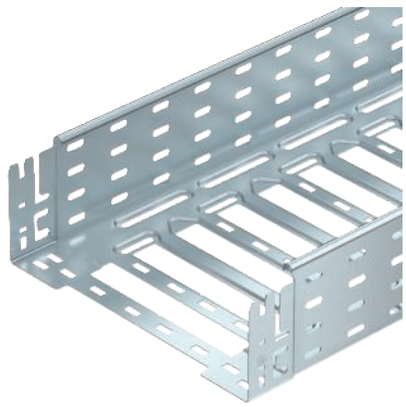
The vertical bend is pushed over the end of the cable tray and screwed tight.
Fastening materials should be ordered separately.

90° vertical bend, falling, for all cable tray types of 85 mm side height.

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Always indicate the item number when ordering.

Cable tray MKS-Magic® 110



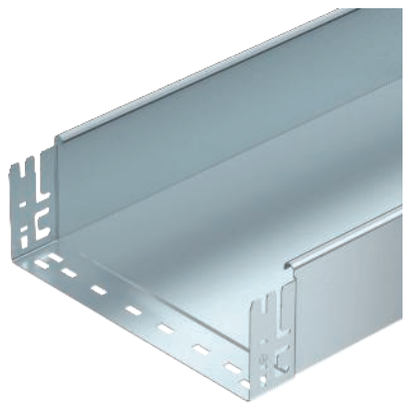
Type	Width mm	Plate thickness mm	Pack. m	Weight kg/100 m	Item No.
MKSM 110 FS	100	1.00	3	235.400	**6059156**
MKSM 115 FS	150	1.00	3	271.500	**6059158**
MKSM 120 FS	200	1.00	3	289.830	**6059160**
MKSM 130 FS	300	1.00	3	327.210	**6059162**
MKSM 140 FS	400	1.00	3	364.590	**6059164**
MKSM 150 FS	500	1.00	3	401.960	**6059166**
MKSM 160 FS	600	1.00	3	406.550	**6059168**
MKSM 110 FT	100	1.00	3	256.700	**6059173**
MKSM 115 FT	150	1.00	3	296.000	**6059175**
MKSM 120 FT	200	1.00	3	316.000	**6059177**
MKSM 130 FT	300	1.00	3	356.720	**6059179**
MKSM 140 FT	400	1.00	3	397.700	**6059181**
MKSM 150 FT	500	1.00	3	438.360	**6059183**
MKSM 160 FT	600	1.00	3	479.000	**6059185**

St Steel

FS Strip-galvanised FT Hot-dip galvanised

Continuous equipotential bonding is guaranteed without additional components.
Cable tray with integrated quick fastening system. The usable length of the cable tray is 3,000 mm.
The cable tray possesses continuous side perforations of 7 x 20 mm for the installation of additional connection and mounting components.

Cable tray MKS-Magic® 110, unperforated



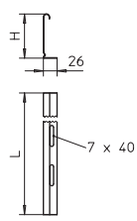
Type	Width mm	Plate thickness mm	Pack. m	Weight kg/100 m	Item No.
MKSMU 110 FS	100	1.00	3	269.510	**6059382**
MKSMU 115 FS	150	1.00	3	308.520	**6059384**
MKSMU 120 FS	200	1.00	3	347.870	**6059386**
MKSMU 130 FS	300	1.00	3	426.230	**6059388**
MKSMU 140 FS	400	1.00	3	504.920	**6059390**
MKSMU 150 FS	500	1.00	3	583.280	**6059392**
MKSMU 160 FS	600	1.00	3	661.640	**6059394**
MKSMU 110 FT	100	1.00	3	290.500	**6059399**
MKSMU 115 FT	150	1.00	3	336.390	**6059401**
MKSMU 120 FT	200	1.00	3	379.340	**6059403**
MKSMU 130 FT	300	1.00	3	464.920	**6059405**
MKSMU 140 FT	400	1.00	3	550.160	**6059407**
MKSMU 150 FT	500	1.00	3	636.000	**6059409**
MKSMU 160 FT	600	1.00	3	721.310	**6059411**

St Steel

FS Strip-galvanised FT Hot-dip galvanised

Unperforated cable tray with quick connection system, including all the relevant connection components for time-saving and economic installation.
The stock length is 3,050 mm, the useful length when combined is 3,000 mm.
The spring element FED 60 can be ordered separately as an accessory part (spare) for the Magic cable trays of side height 60 mm, 85 mm and 110 mm under the article number 6068859.
Continuous equipotential bonding is guaranteed without additional components.
VDE-tested cable tray system.
MKSMU 110 = Medium duty Magic cable tray system, unperforated, with a side height of 110 mm.

Barrier strip 110





Type	Dimension H mm	Plate thickness mm	Dimension L mm	Pack. m	Weight kg/100 m	Item No.
TSG 110 FS	110	0.75	3000	3	85.000	**6062122**
TSG 110 DD	110	0.75	3000	3	85.000	**6062335**

St Steel

FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

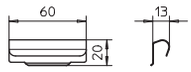
Barrier strip for separation of cables of different voltages or functions.

Always indicate the item number when ordering.

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Separating retainer connector





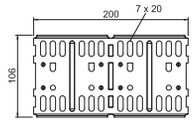
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
TSGV A2	10	0.899	**6067970**

A2 Stainless steel, rustproof

Separating retainer connector for screwless connection of the TSG separating retainer in all side heights.

Straight and angle connector 110





Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RLVL 110 FS	110	10	33.800	**6067131**
RLVL 110 FT	110	10	35.100	**6067913**

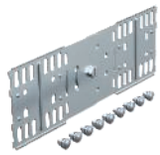
St Steel

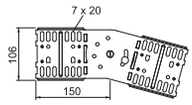
FS Strip-galvanised FT Hot-dip galvanised

Including appropriate fastening material.

Straight and angle connector for cable trays and fittings with a side height of 110 mm.

Adjustable connector 110





Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RGV 110 FS	110	10	61.700	**7082037**
RGV 110 FT	110	10	64.300	**7082436**

St Steel

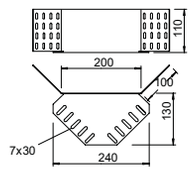
FS Strip-galvanised FT Hot-dip galvanised

Including appropriate fastening material.

Adjustable connector for cable trays with a side height of 110 mm.

Corner connector





Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
REV 110 FS	110	10	72.000	**6067999**
REV 110 DD	110	10	72.000	**6069339**

St Steel

FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

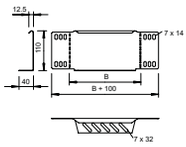
Fastening materials should be ordered separately.

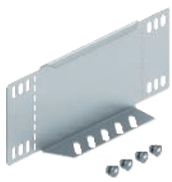
Corner connector for cable trays with side height 110 mm.

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Reducing bracket and end closure 110

Type	Side height mm	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RWEB 110 FS	110	100	1	16.400	**7111096**
RWEB 115 FS	110	150	1	22.900	**7111201**
RWEB 120 FS	110	200	1	29.000	**7111207**
RWEB 130 FS	110	300	1	40.700	**7111304**
RWEB 140 FS	110	400	1	52.900	**7111428**
RWEB 150 FS	110	500	1	64.800	**7111509**
RWEB 110 DD	110	100	1	16.300	**7107455**
RWEB 120 DD	110	200	1	25.000	**7107471**
RWEB 130 DD	110	300	1	44.000	**7107501**
RWEB 140 DD	110	400	1	58.000	**7107536**
RWEB 150 DD	110	500	1	64.700	**7107552**
RWEB 155 DD	110	550	1	70.700	**7107560**





St Steel

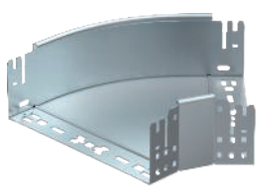
FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

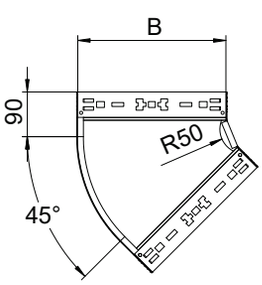
From a width of 150 mm, the perforated lower flange is provided.
Including appropriate fastening material.

Reducer/stop-end for cable trays with side height 110 mm.

45° Magic bend

Type	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RBM 45 110 FS	100	1	70.500	**6041750**
RBM 45 115 FS	150	1	89.300	**6041751**
RBM 45 120 FS	200	1	109.900	**6041752**
RBM 45 130 FS	300	1	156.100	**6041754**
RBM 45 140 FS	400	1	206.500	**6041756**
RBM 45 150 FS	500	1	268.300	**6041758**
RBM 45 160 FS	600	1	337.700	**6041760**
RBM 45 110 FT	100	1	75.600	**6041780**
RBM 45 115 FT	150	1	95.800	**6041781**
RBM 45 120 FT	200	1	117.900	**6041782**
RBM 45 130 FT	300	1	167.400	**6041784**
RBM 45 140 FT	400	1	221.400	**6041786**
RBM 45 150 FT	500	1	287.700	**6041788**
RBM 45 160 FT	600	1	362.100	**6041790**





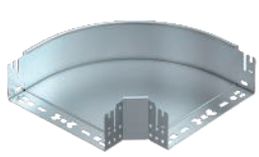
St Steel

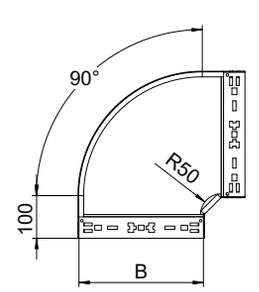
FS Strip-galvanised FT Hot-dip galvanised

45° bend with quick connector system. For all cable tray types of 110 mm side height.

90° Magic bend

Type	Side height mm	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RBM 90 110 FS	110	100	1	90.900	**6041840**
RBM 90 115 FS	110	150	1	121.000	**6041841**
RBM 90 120 FS	110	200	1	154.900	**6041842**
RBM 90 130 FS	110	300	1	233.400	**6041844**
RBM 90 140 FS	110	400	1	323.600	**6041846**
RBM 90 150 FS	110	500	1	433.100	**6041848**
RBM 90 160 FS	110	600	1	558.000	**6041850**
RBM 90 110 FT	110	100	1	97.500	**6041860**
RBM 90 115 FT	110	150	1	129.800	**6041861**
RBM 90 120 FT	110	200	1	166.100	**6041862**
RBM 90 130 FT	110	300	1	250.300	**6041864**
RBM 90 140 FT	110	400	1	347.000	**6041866**
RBM 90 150 FT	110	500	1	464.400	**6041868**
RBM 90 160 FT	110	600	1	598.400	**6041870**





St Steel

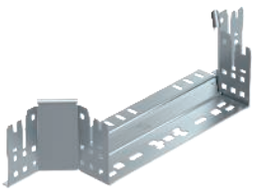
FS Strip-galvanised FT Hot-dip galvanised

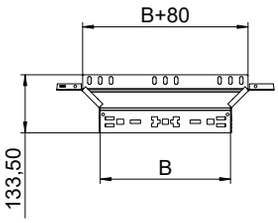
90° bend with quick connector system. For all cable tray types of 110 mm side height.

Always indicate the item number when ordering.

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Magic add-on tee





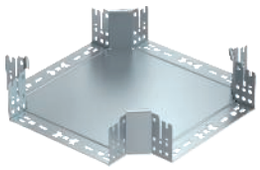
Type	Side height mm	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RAAM 110 FS	110	100	1	53.700	**6041920**
RAAM 115 FS	110	150	1	60.000	**6041921**
RAAM 120 FS	110	200	1	66.300	**6041922**
RAAM 130 FS	110	300	1	79.200	**6041924**
RAAM 140 FS	110	400	1	92.200	**6041926**
RAAM 150 FS	110	500	1	105.100	**6041928**
RAAM 160 FS	110	600	1	118.400	**6041930**
RAAM 110 FT	110	100	1	57.600	**6041940**
RAAM 115 FT	110	150	1	64.300	**6041941**
RAAM 120 FT	110	200	1	71.100	**6041942**
RAAM 130 FT	110	300	1	84.900	**6041944**
RAAM 140 FT	110	400	1	98.900	**6041946**
RAAM 150 FT	110	500	1	112.700	**6041948**
RAAM 160 FT	110	600	1	127.000	**6041950**

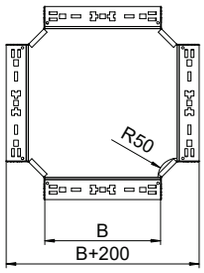
St Steel

FS Strip-galvanised FT Hot-dip galvanised

Add-on tee with quick connector system. For all cable tray types of 110 mm side height.

Magic cross-over





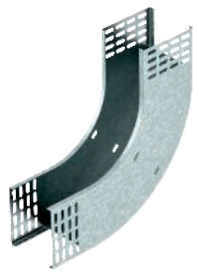
Type	Side height mm	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RKM 110 FS	110	100	1	124.700	**7027161**
RKM 115 FS	110	150	1	156.100	**7027163**
RKM 120 FS	110	200	1	192.300	**7027165**
RKM 130 FS	110	300	1	277.600	**7027167**
RKM 140 FS	110	400	1	374.800	**7027169**
RKM 150 FS	110	500	1	499.800	**7027171**
RKM 160 FS	110	600	1	644.300	**7027173**
RKM 110 FT	110	100	1	133.700	**7027181**
RKM 115 FT	110	150	1	167.400	**7027183**
RKM 120 FT	110	200	1	206.200	**7027185**
RKM 130 FT	110	300	1	297.700	**7027187**
RKM 140 FT	110	400	1	401.900	**7027189**
RKM 150 FT	110	500	1	536.000	**7027191**
RKM 160 FT	110	600	1	690.900	**7027193**

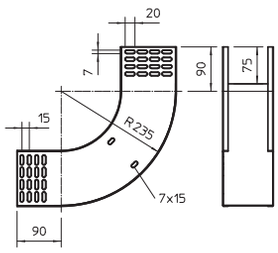
St Steel

FS Strip-galvanised FT Hot-dip galvanised

Cross-over with quick connector system. For all cable tray types of 110 mm side height.

90° vertical bend, rising





Type	Side height mm	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RBV 110 S FS	110	100	1	120.100	**7007310**
RBV 120 S FS	110	200	1	151.300	**7007314**
RBV 130 S FS	110	300	1	182.400	**7007318**
RBV 140 S FS	110	400	1	213.600	**7007322**
RBV 150 S FS	110	500	1	244.800	**7007326**
RBV 110 S FT	110	100	1	120.000	**7007398**
RBV 115 S FT	110	150	1	147.000	**7007313**
RBV 120 S FT	110	200	1	163.000	**7007400**
RBV 130 S FT	110	300	1	182.400	**7007319**
RBV 140 S FT	110	400	1	231.000	**7007404**
RBV 150 S FT	110	500	1	244.800	**7007327**
RBV 160 S FT	110	600	1	299.000	**7007334**
RBV 155 S FT	110	550	1	260.400	**7007331**

St Steel

FS Strip-galvanised FT Hot-dip galvanised

The vertical bend is pushed over the end of the cable tray and screwed tight.
Fastening materials should be ordered separately.

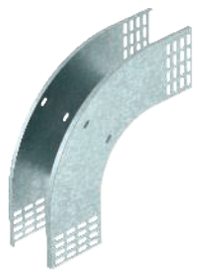
90° rising vertical bend, for all cable tray types of 110 mm side height.

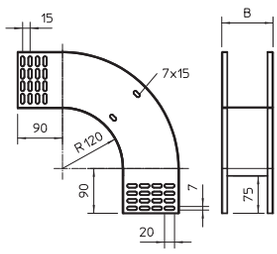
Always indicate the item number when ordering.

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90° vertical bend, falling

Type	Side height mm	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RBV 110 F FS	110	100	1	106.300	**7007350**
RBV 120 F FS	110	200	1	124.000	**7007354**
RBV 130 F FS	110	300	1	141.600	**7007358**
RBV 140 F FS	110	400	1	159.200	**7007362**
RBV 150 F FS	110	500	1	176.900	**7007366**
RBV 110 F FT	110	100	1	120.000	**7007468**
RBV 115 F FT	110	150	1	124.000	**7007353**
RBV 120 F FT	110	200	1	134.000	**7007470**
RBV 130 F FT	110	300	1	141.600	**7007359**
RBV 140 F FT	110	400	1	172.000	**7007474**
RBV 150 F FT	110	500	1	176.900	**7007367**
RBV 160 F FT	110	600	1	210.000	**7007374**





St Steel

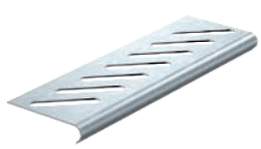
FS Strip-galvanised FT Hot-dip galvanised

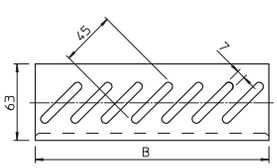
The vertical bend is pushed over the end of the cable tray and screwed tight.
Fastening materials should be ordered separately.

90° vertical bend, falling, for all cable tray types of 110 mm side height.

Bottom end plate

Type	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
BEB 100 FS	100	100	5.400	**7083106**
BEB 150 FS	150	100	8.400	**7083157**
BEB 200 FS	200	100	11.400	**7083203**
BEB 300 FS	300	100	17.200	**7083300**
BEB 400 FS	400	100	23.100	**7083408**
BEB 500 FS	500	50	29.000	**7083505**
BEB 600 FS	600	50	35.000	**7083602**
BEB 100 DD	100	100	5.400	**7083618**
BEB 150 DD	150	100	8.400	**7083622**
BEB 200 DD	200	100	11.400	**7083626**
BEB 300 DD	300	100	17.200	**7083630**
BEB 400 DD	400	100	23.100	**7083634**
BEB 500 DD	500	50	29.000	**7083638**
BEB 600 DD	600	50	35.000	**7083642**





St Steel

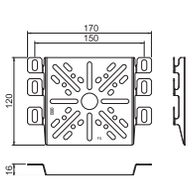
FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

For fastening, please order screws, type FRSB M6x12, separately.

Bottom end plate for floor reinforcement at the ends of the cable tray and as cable protection.

Mounting plate

Type	Height mm	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
MP UNI FS	115	170	40	13.300	**7084773**
MP UNI DD	115	170	40	11.000	**7085114**





St Steel

FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

Please order the truss-head bolt, type FRSB 6 x 12, separately.

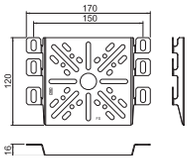
Mounting plate, for fastening on the side rail of cable support systems.

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Always indicate the item number when ordering.

Mounting plate





Type	Height mm	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
MP UNI A2	115	170	40	11.000	**7085133**

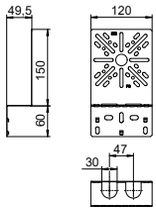
A2 Stainless steel, rustproof

Fastening on the side rail of the mesh cable tray is carried out without bolts by bending the lugs.
Fastening on the side rail of cable trays or cable ladders is carried out with two truss-head bolts.
Type B9/T junction boxes can be mounted very easily by inserting the bolt plug supplied into the centre hole on the mounting plate.
Please order the bolt, type FRSB 6 x 12, separately.

Mounting plate, for fastening on the side rail of cable support systems.

Mounting plate, angled





Type	Height mm	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
MP WI KL. FS	210	120	20	20.200	**7084765**
MP WI KL. DD	210	120	20	20.200	**7085111**

St Steel

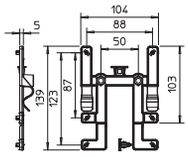
FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

Please order the truss-head bolt, type FRS B6 x 12, separately.

Curved mounting plate, for fixing on the side rail of the cable tray.

Fastening element for cable tray





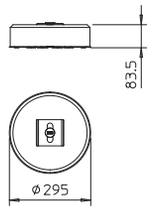
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
BE TS KR	10	2.800	**2007835**

PC Polycarbonate

The fastening element BE TS KR can be used to attach OBO junction boxes, type T60 and T100, to all standard cable trays in a few actions, quickly and without tools.
This keeps the junction box securely in position. However, it can be quickly dismantled as necessary. This is all done without using tools.

Stand - TrayFix set 10 L



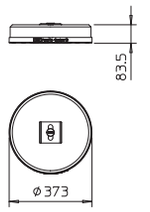


Type	From tray width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
TrayFix-10-L	100	1	1,100.000	**5403101**

- Mounting system for the fastening of mesh cable trays with the FangFix stone, e.g. cable routing on a flat roof.
- Matched to OBO cable tray systems MKSM and SKSM.
- Matched to OBO mesh cable systems with a minimum width of 100 mm.
- Set consisting of TrayFix mounting adapter and concrete block including base for FangFix system 10 kg

Stand - TrayFix set 16 L





Type	From tray width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
TrayFix-16-L	100	1	1,700.000	**5403098**

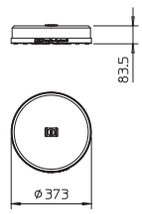
- Mounting system for the fastening of mesh cable trays with the FangFix stone, e.g. cable routing on a flat roof.
- Matched to OBO cable tray systems MKSM and SKSM.
- Matched to OBO mesh cable systems with a minimum width of 100 mm.
- Set consisting of TrayFix mounting adapter and concrete block including base for FangFix system 16 kg

Always indicate the item number when ordering.

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Stand - TrayFix set 16 S

Type	From tray width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
TrayFix-16-S	100	1	1,700.000	**5403099**

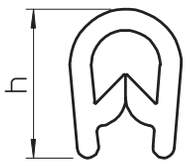




- Mounting system for the fastening of mesh cable trays with the FangFix stone, e.g. cable routing on a flat roof.
- Matches OBO mesh cable tray systems with a minimum width of 100 mm
- Set consisting of TrayFix mounting adapter and concrete block including base for FangFix system 16 kg

Edge protection strip

Type	For plate thickness mm	Dimension h mm	Pack. m	Weight kg/100 m	Item No.
KSB 2 PVC	0.75 - 2	10	10	8.000	**6072909**
KSB 4 PVC	1.5 - 4	15	10	14.000	**6072895**



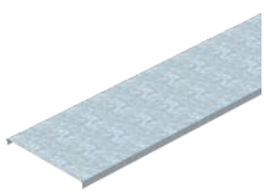


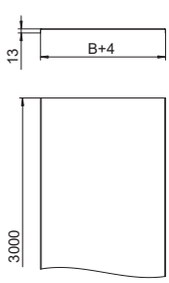
PVC Polyvinylchloride

Edge protection strip with steel inlay to cover cut plate ends. Black, UV-resistant version.

Unperforated cover

Type	Dimension B mm	Plate thickness mm	Length mm	Pack. m	Weight kg/100 m	Item No.
DRLU 100 FS	100	0.75	3000	3	99.000	**6052103**
DRLU 150 FS	150	0.75	3000	3	138.270	**6052153**
DRLU 200 FS	200	1.00	3000	3	177.500	**6052210**
DRLU 300 FS	300	1.00	3000	3	256.000	**6052307**
DRLU 400 FS	400	1.00	3000	3	334.670	**6052405**
DRLU 500 FS	500	1.25	3000	3	619.230	**6052512**
DRLU 600 FS	600	1.25	3000	3	737.000	**6052609**
DRLU 100 DD	100	0.75	3000	3	99.000	**6052643**
DRLU 150 DD	150	0.75	3000	3	138.270	**6052647**
DRLU 200 DD	200	1.00	3000	3	177.500	**6052650**
DRLU 300 DD	300	1.00	3000	3	256.000	**6052656**
DRLU 400 DD	400	1.00	3000	3	334.500	**6052662**
DRLU 500 DD	500	1.25	3000	3	619.230	**6052668**
DRLU 600 DD	600	1.25	3000	3	737.000	**6052674**





St Steel

FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

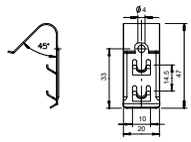
Transverse bead from 500 mm width.

Cover for cable trays and mesh cable trays.

When using covers outdoors, additional measures against the influence of wind must be taken.

Cover clamp, universal

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
DKU A2	20	0.794	**6065600**





A2 Stainless steel, rustproof

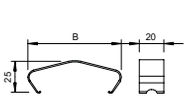
Depending on the tray width, 4–6 cover clamps are required for secure fastening of a 3 m cover.

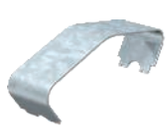
Cover clamp for universal fastening of covers on cable trays, mesh cable trays and AZ channels.

The cover clamp is not suitable for use with mesh cable trays with a side height of 35 mm.

Cover clamp

Type	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DKL 60 A2	75.9	20	1.800	**6065538**
DKL 85 A2	95.9	20	2.100	**6065546**
DKL 110 A2	120.9	20	2.400	**6065554**





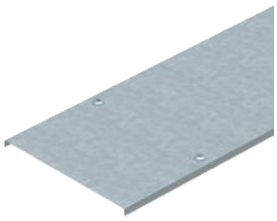
A2 Stainless steel, rustproof

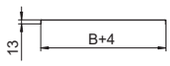
Cover clamp for secure fastening of covers on cable trays and cable ladders.

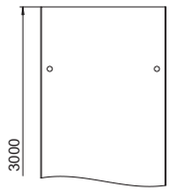
Always indicate the item number when ordering.

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Cover with turn buckle







Type	Dimension B mm	Plate thickness mm	Length mm	Pack. m	Weight kg/100 m	Item No.
DRL 100 FS	100	1.00	3000	3	103.000	**6052096**
DRL 150 FS	150	1.00	3000	3	141.667	**6052150**
DRL 200 FS	200	1.00	3000	3	181.340	**6052207**
DRL 300 FS	300	1.00	3000	3	259.334	**6052304**
DRL 400 FS	400	1.00	3000	3	338.670	**6052401**
DRL 500 FS	500	1.25	3000	3	623.000	**6052509**
DRL 600 FS	600	1.25	3000	3	741.000	**6052606**
DRL 100 DD	100	1.00	3000	3	106.340	**6052703**
DRL 150 DD	150	1.00	3000	3	145.670	**6052706**
DRL 200 DD	200	1.00	3000	3	185.000	**6052709**
DRL 300 DD	300	1.00	3000	3	263.340	**6052712**
DRL 400 DD	400	1.00	3000	3	342.070	**6052715**
DRL 500 DD	500	1.25	3000	3	626.670	**6052718**
DRL 600 DD	600	1.25	3000	3	744.570	**6052724**

St Steel

FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

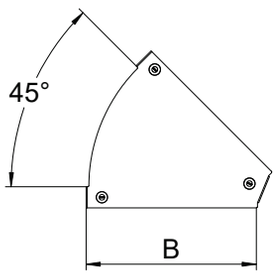
Transverse bead from 500 mm width.

Cover for cable trays and cable ladders with turn buckles.

When using covers outdoors, additional measures against the influence of wind must be taken.

Cover for 45° Magic bend





Type	Width mm	Plate thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DFBM 45 100 FS	100	1.25	1	16.400	**7138360**
DFBM 45 150 FS	150	1.25	1	23.100	**7138362**
DFBM 45 200 FS	200	1.25	1	31.400	**7138364**
DFBM 45 300 FS	300	1.25	1	52.400	**7138366**
DFBM 45 400 FS	400	1.25	1	97.900	**7138368**
DFBM 45 500 FS	500	1.25	1	142.300	**7138370**
DFBM 45 600 FS	600	1.25	1	191.500	**7138372**
DFBM 45 100 DD	100	1.25	1	16.400	**7138400**
DFBM 45 150 DD	150	1.25	1	23.100	**7138402**
DFBM 45 200 DD	200	1.25	1	31.400	**7138404**
DFBM 45 300 DD	300	1.25	1	52.400	**7138406**
DFBM 45 400 DD	400	1.25	1	97.900	**7138408**
DFBM 45 500 DD	500	1.25	1	142.300	**7138410**
DFBM 45 600 DD	600	1.25	1	191.500	**7138412**

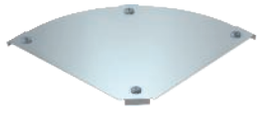
St Steel

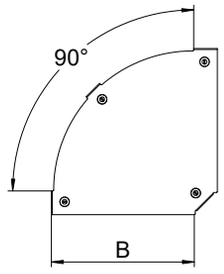
FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

The cover can be used with fittings of all side heights.

Cover for 45° bend with pre-mounted turn-buckle.

Cover for 90° Magic bend





Type	Width mm	Plate thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DFBM 90 100 FS	100	1.25	1	17.100	**7138500**
DFBM 90 150 FS	150	1.25	1	28.500	**7138502**
DFBM 90 200 FS	200	1.25	1	43.000	**7138504**
DFBM 90 300 FS	300	1.25	1	81.600	**7138506**
DFBM 90 400 FS	400	1.25	1	165.000	**7138508**
DFBM 90 500 FS	500	1.25	1	244.100	**7138510**
DFBM 90 600 FS	600	1.25	1	338.100	**7138512**
DFBM 90 100 DD	100	1.25	1	17.100	**7138540**
DFBM 90 150 DD	150	1.25	1	28.500	**7138542**
DFBM 90 200 DD	200	1.25	1	43.000	**7138544**
DFBM 90 300 DD	300	1.25	1	81.600	**7138546**
DFBM 90 400 DD	400	1.25	1	165.000	**7138548**
DFBM 90 500 DD	500	1.25	1	244.100	**7138550**
DFBM 90 600 DD	600	1.25	1	338.100	**7138552**

St Steel

FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

The cover can be used with fittings of all side heights.

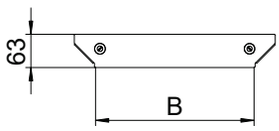
Cover for 90° bend with premounted turn buckles.

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Cover for Magic add-on tee

Type	Dimension B mm	Plate thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DFAAM 100 FS	100	1.25	1	12.400	**7138640**
DFAAM 150 FS	150	1.25	1	14.800	**7138642**
DFAAM 200 FS	200	1.25	1	17.300	**7138644**
DFAAM 300 FS	300	1.25	1	22.200	**7138646**
DFAAM 400 FS	400	1.25	1	32.800	**7138648**
DFAAM 500 FS	500	1.25	1	39.000	**7138650**
DFAAM 600 FS	600	1.25	1	45.100	**7138652**
DFAAM 100 DD	100	1.25	1	12.400	**7138680**
DFAAM 150 DD	150	1.25	1	14.800	**7138682**
DFAAM 200 DD	200	1.25	1	17.300	**7138684**
DFAAM 300 DD	300	1.25	1	22.200	**7138686**
DFAAM 400 DD	400	1.25	1	32.800	**7138688**
DFAAM 500 DD	500	1.25	1	39.000	**7138690**
DFAAM 600 DD	600	1.25	1	45.100	**7138692**





St Steel

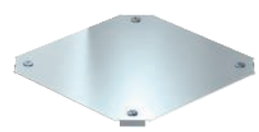
FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

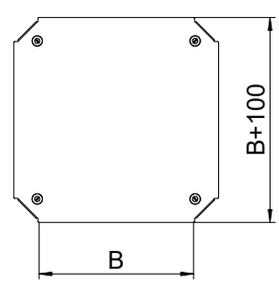
The cover can be used with fittings of all side heights.

Cover for add-on tee with pre-mounted turn-buckles.

Cover for Magic cross-over

Type	Dimension B mm	Plate thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DFKM 100 FS	100	1.25	1	36.300	**7138930**
DFKM 150 FS	150	1.25	1	53.700	**7138932**
DFKM 200 FS	200	1.25	1	75.000	**7138934**
DFKM 300 FS	300	1.25	1	129.300	**7138936**
DFKM 400 FS	400	1.25	1	246.900	**7138938**
DFKM 500 FS	500	1.25	1	353.700	**7138940**
DFKM 600 FS	600	1.25	1	480.100	**7138942**
DFKM 100 DD	100	1.25	1	36.300	**7138970**
DFKM 200 DD	200	1.25	1	75.000	**7138974**
DFKM 300 DD	300	1.25	1	123.100	**7138976**
DFKM 400 DD	400	1.25	1	246.900	**7138978**
DFKM 500 DD	500	1.25	1	353.700	**7138980**
DFKM 600 DD	600	1.25	1	480.100	**7138982**





St Steel

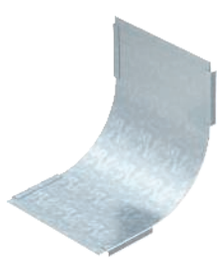
FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

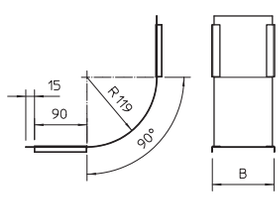
The cover can be used with fittings of all side heights.

Cover for cross-over with pre-mounted turn-buckles.

Cover for 90° vertical bend, rising

Type	Dimension B mm	Plate thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DBV 100 S FS	100	0.75	1	21.000	**7130805**
DBV 150 S FS	150	0.75	1	30.000	**7130809**
DBV 200 S FS	200	0.75	1	39.000	**7130813**
DBV 300 S FS	300	0.75	1	49.000	**7130817**
DBV 400 S FS	400	0.75	1	68.000	**7130821**
DBV 500 S FS	500	0.75	1	86.000	**7130825**
DBV 600 S FS	600	0.75	1	105.000	**7130829**
DBV 050 S DD	50	0.75	1	19.000	**7131506**
DBV 100 S DD	100	0.75	1	34.000	**7131508**
DBV 150 S DD	150	0.75	1	50.000	**7131509**
DBV 200 S DD	200	0.75	1	66.000	**7131510**
DBV 300 S DD	300	0.75	1	81.000	**7131514**
DBV 400 S DD	400	0.75	1	113.000	**7131518**
DBV 500 S DD	500	0.75	1	144.000	**7131524**
DBV 600 S DD	600	0.75	1	176.000	**7131527**





St Steel

FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

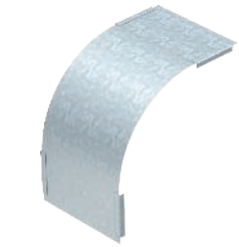
The fastening is guaranteed by the overlap of the cable tray covers. The cover can also be fastened using cover clamps.

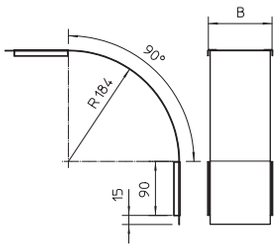
Cover for all rising vertical bends.

Always indicate the item number when ordering.

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Cover for 90° vertical bend, falling, side height 60 mm





Type	Side height mm	Width mm	Plate thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DBV 60 100 F FS	60	100	0.75	1	25.200	**7130852**
DBV 60 150 F FS	60	150	0.75	1	36.900	**7130856**
DBV 60 200 F FS	60	200	0.75	1	48.700	**7130860**
DBV 60 300 F FS	60	300	0.75	1	72.300	**7130864**
DBV 60 400 F FS	60	400	0.75	1	95.800	**7130868**
DBV 60 500 F FS	60	500	0.75	1	119.300	**7130872**
DBV 60 600 F FS	60	600	0.75	1	142.800	**7130876**
DBV 60 050 F DD	60	50	0.75	1	22.500	**7131630**
DBV 60 100 F DD	60	100	0.75	1	42.100	**7131632**
DBV 60 150 F DD	60	150	0.75	1	61.700	**7131634**
DBV 60 200 F DD	60	200	0.75	1	81.300	**7131636**
DBV 60 300 F DD	60	300	0.75	1	120.400	**7131640**
DBV 60 400 F DD	60	400	0.75	1	159.600	**7131644**
DBV 60 500 F DD	60	500	0.75	1	198.800	**7131648**
DBV 60 600 F DD	60	600	0.75	1	238.000	**7131652**

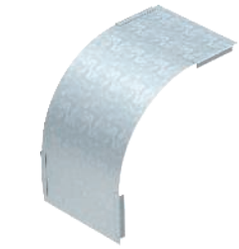
St Steel

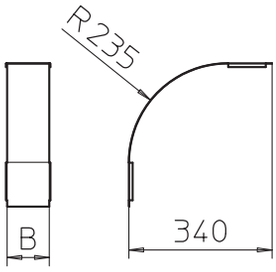
FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

The fastening is guaranteed by the overlap of the cable tray covers. The cover can also be fastened using cover clamps.

Cover for falling vertical bends of side height 60 mm.

Cover for 90° vertical bend, falling, side height 85 mm





Type	Side height mm	Width mm	Plate thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DBV 85 100 F FS	85	100	0.75	1	27.100	**7130990**
DBV 85 200 F FS	85	200	0.75	1	52.500	**7130994**
DBV 85 300 F FS	85	300	0.75	1	77.800	**7130998**
DBV 85 400 F FS	85	400	0.75	1	103.200	**7131002**
DBV 85 500 F FS	85	500	0.75	1	128.500	**7131006**
DBV 85 600 F FS	85	600	0.75	1	153.900	**7131010**
DBV 85 100 F DD	85	100	0.75	1	45.200	**7131672**
DBV 85 200 F DD	85	200	0.75	1	87.500	**7131676**
DBV 85 300 F DD	85	300	0.75	1	129.700	**7131680**
DBV 85 400 F DD	85	400	0.75	1	172.000	**7131684**
DBV 85 500 F DD	85	500	0.75	1	214.200	**7131688**
DBV 85 600 F DD	85	600	0.75	1	256.000	**7131692**

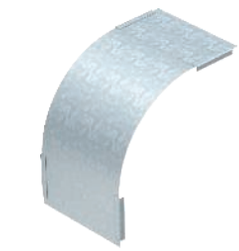
St Steel

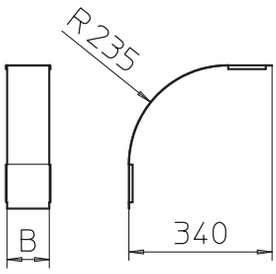
FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

The fastening is guaranteed by the overlap of the cable tray covers. The cover can also be fastened using cover clamps.

Cover for falling vertical bends of side height 85 mm.

Cover for 90° vertical bend, falling, side height 110 mm





Type	Side height mm	Width mm	Plate thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DBV 110 100 F FS	110	100	0.75	1	29.000	**7131030**
DBV 110 200 F FS	110	200	0.75	1	56.200	**7131034**
DBV 110 300 F FS	110	300	0.75	1	83.400	**7131038**
DBV 110 400 F FS	110	400	0.75	1	110.600	**7131042**
DBV 110 500 F FS	110	500	0.75	1	137.800	**7131046**
DBV 110 600 F FS	110	600	0.75	1	165.000	**7131052**
DBV 110 100 F DD	110	100	0.75	1	48.300	**7131556**
DBV 110 200 F DD	110	200	0.75	1	93.700	**7131560**
DBV 110 300 F DD	110	300	0.75	1	139.000	**7131564**
DBV 110 400 F DD	110	400	0.75	1	184.300	**7131568**
DBV 110 500 F DD	110	500	0.75	1	229.700	**7131572**
DBV 110 600 F DD	110	600	0.75	1	275.000	**7131576**

St Steel

FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

The fastening is guaranteed by the overlap of the cable tray covers. The cover can also be fastened using cover clamps.

Cover for falling vertical bends of side height 110 mm.

Always indicate the item number when ordering.

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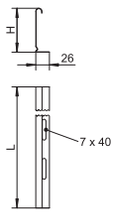
Barrier strip 30

Type	Dimension H mm	Plate thickness mm	Dimension L mm	Pack. m	Weight kg/100 m	Item No.
TSG 30 FS	30	0.75	3000	3	38.000	**6062050**
TSG 30 DD	30	0.75	3000	3	38.000	**6062314**

St Steel

FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

Barrier strip for separation of cables of different voltages or functions.



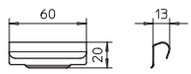


Separating retainer connector

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
TSGV A2	10	0.899	**6067970**

A2 Stainless steel, rustproof

Separating retainer connector for screwless connection of the TSG separating retainer in all side heights.



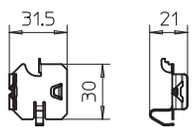


Hold-down clamp for separating retainer fastening in RKSM

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
KS KR A2	30	0.537	**6062280**

A2 Stainless steel, rustproof

Clamping piece for screwless fastening of separating retainer in the cable tray types RKSM, MKS and SKS.



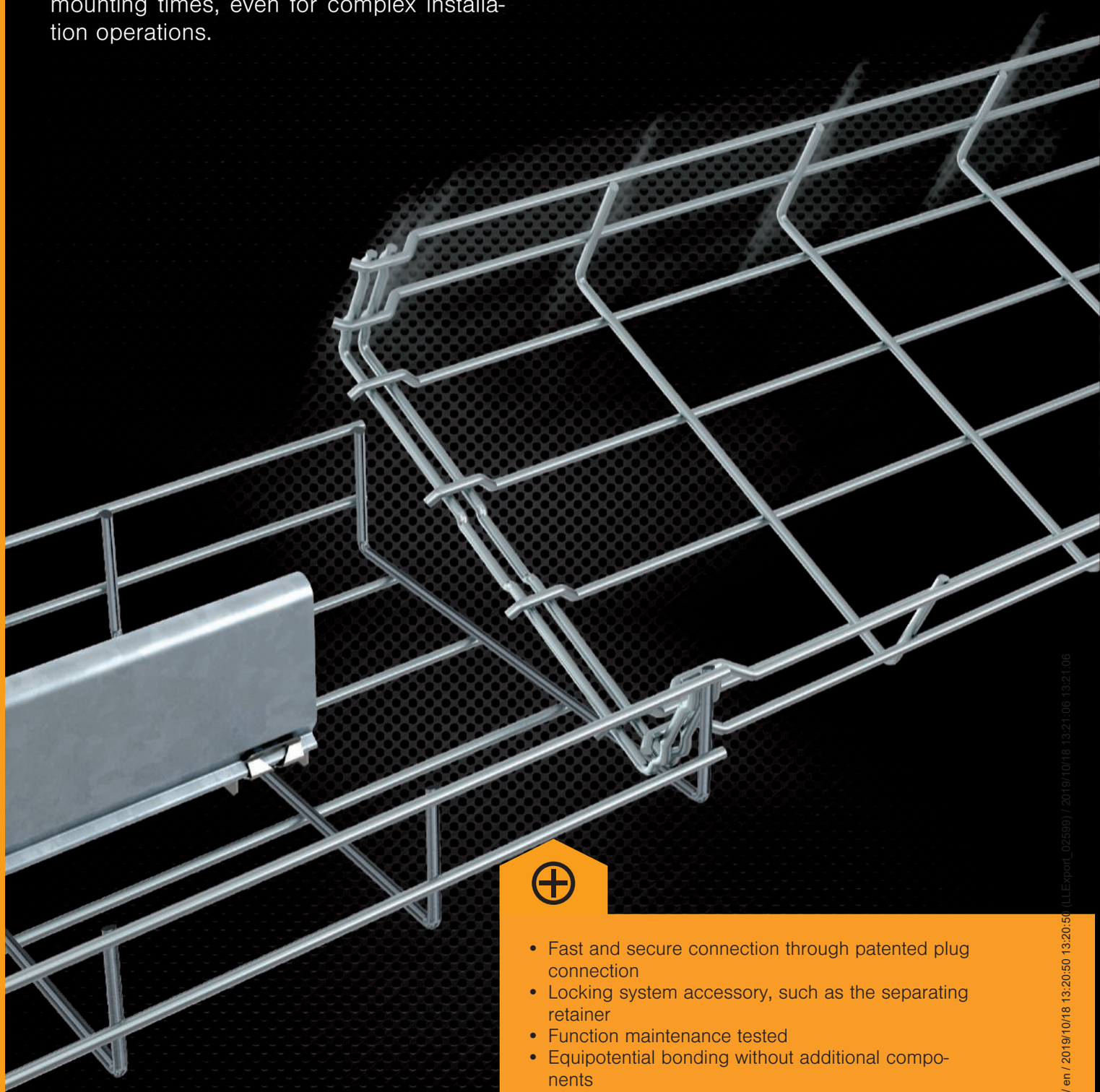


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Always indicate the item number when ordering.

GR-Magic®

The GR-Magic® mesh cable tray system with shaped connector for screwless quick mounting guarantees the shortest possible mounting times, even for complex installation operations.



- Fast and secure connection through patented plug connection
- Locking system accessory, such as the separating retainer
- Function maintenance tested
- Equipotential bonding without additional components
- VDE and UL approved mesh cable tray system

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Always indicate the item number when ordering.

Mesh cable tray GR-Magic® 35

Type	Width mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
GRM 35 50 G	50	3.9	3	45.300	**6000060**
GRM 35 100 G	100	3.9	3	49.000	**6000062**
GRM 35 150 G	150	3.9	3	63.100	**6000063**
GRM 35 200 G	200	3.9	3	76.800	**6000064**
GRM 35 300 G	300	4.8	3	159.000	**6000066**

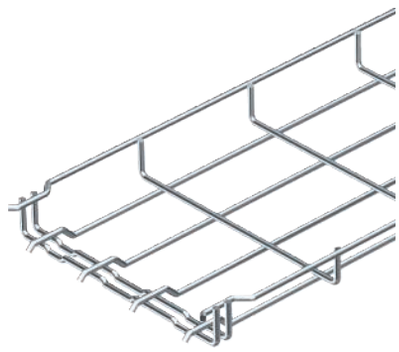
St Steel

G Electrogalvanised

No additional connection components are required for the mesh cable tray, it is simply interlocked.
The grid width is 50 x 100 mm (exception: GRM 35/50 = 20 x 100 mm).

Mesh cable tray with shaped connector of side height 35 mm.

Magnetic shield insulation without cover 15 dB, with cover 25 dB.



Mesh cable tray GR-Magic® 35

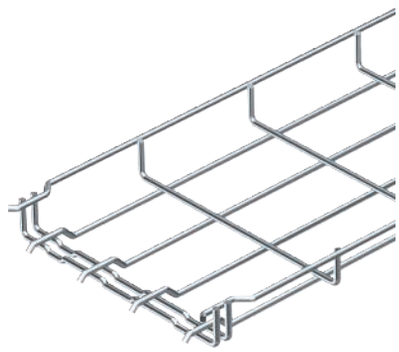
Type	Width mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
GRM 35 50 FT	50	3.9	3	45.610	**6000069**
GRM 35 100 FT	100	3.9	3	50.400	**6000071**
GRM 35 150 FT	150	3.9	3	64.500	**6000072**
GRM 35 200 FT	200	3.9	3	78.600	**6000073**
GRM 35 300 FT	300	4.8	3	165.334	**6000075**

St Steel

FT Hot-dip galvanised

No additional connection components are required for the mesh cable tray, it is simply interlocked.
The grid width is 50 x 100 mm (exception: GRM 35/50 = 20 x 100 mm).

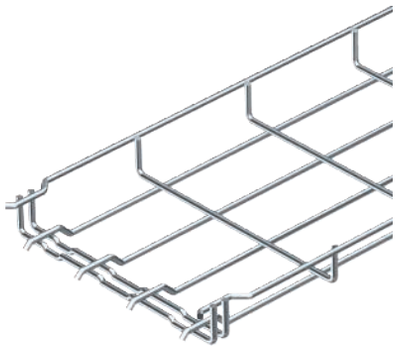
Mesh cable tray with shaped connector of side height 35 mm.



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Always indicate the item number when ordering.

Mesh cable tray GR-Magic®



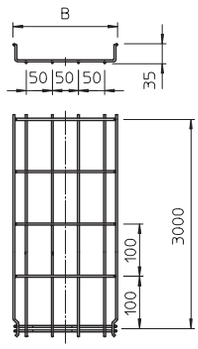
Type	Width mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
GRM 35 50 A2	50	3.9	3	45.000	**6000054**
GRM 35 100 A2	100	3.9	3	49.000	**6000055**
GRM 35 200 A2	200	3.9	3	76.300	**6000057**
GRM 35 300 A2	300	4.8	3	159.000	**6000059**

A2 Stainless steel, rustproof

No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm (exception: GRM 35/50 = 20 x 100 mm).

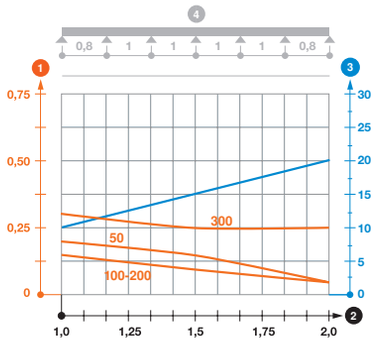
Mesh cable tray with shaped connector of side height 35 mm.

Dimensions



Type	Length mm	Dimension B mm	Wire Ø mm	Useful cross-section cm²
GRM 35 50 A2	3000	50	3.9	17.5
GRM 35 100 A2	3000	100	3.9	35
GRM 35 200 A2	3000	200	3.9	70
GRM 35 300 A2	3000	300	4.8	105

Load



Type	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m
GRM 35 50 A2	0.25	0.11	0.1
GRM 35 100 A2	0.25	0.11	0.1
GRM 35 200 A2	0.3	0.14	0.1
GRM 35 300 A2	0.75	0.22	0.15

Load diagram, GR-Magic mesh cable tray, type GRM 35

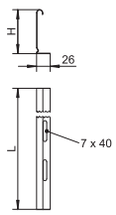
1. Permitted cable tray/ladder load in kN/m without man load
2. Support width in m
3. Rail bend in mm at permitted kN/m
4. Load scheme during testing

— Load curve with cable tray/ladder width in mm

— Strut bend curve according to support width

Barrier strip 30





Type	Dimension H mm	Plate thickness mm	Dimension L mm	Pack. m	Weight kg/100 m	Item No.
TSG 30 FS	30	0.75	3000	3	38.000	**6062050**
TSG 30 DD	30	0.75	3000	3	38.000	**6062314**

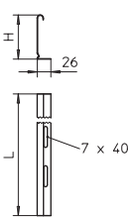
St Steel

FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

Barrier strip for separation of cables of different voltages or functions.

Barrier strip 30





Type	Dimension H mm	Plate thickness mm	Dimension L mm	Pack. m	Weight kg/100 m	Item No.
TSG 30 A2	30	0.75	3000	3	37.670	**6062052**

A2 Stainless steel, rustproof

Barrier strip for separation of cables of different voltages or functions.

Always indicate the item number when ordering.

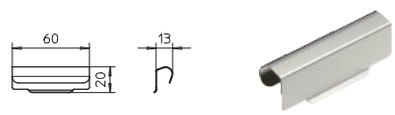
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Separating retainer connector

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
TSGV A2	10	0.899	**6067970**

A2 Stainless steel, rustproof

Separating retainer connector for screwless connection of the TSG separating retainer in all side heights.



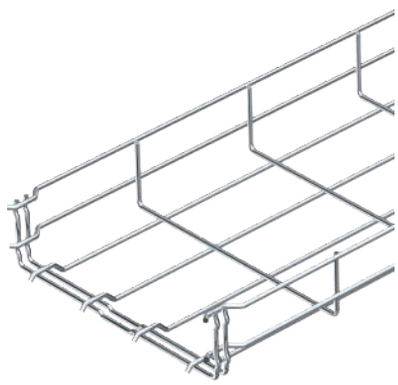
Mesh cable tray GRM 55

Type	Width mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
GRM 55 50 G	50	3.9	3	67.000	**6001441**
GRM 55 100 G	100	3.9	3	72.400	**6001442**
GRM 55 150 G	150	3.9	3	85.700	**6001444**
GRM 55 200 G	200	3.9	3	100.667	**6001446**
GRM 55 300 G	300	4.8	3	194.900	**6001448**
GRM 55 400 G	400	4.8	3	236.700	**6001450**
GRM 55 500 G	500	4.8	3	279.000	**6001452**
GRM 55 600 G	600	4.8	3	321.200	**6001454**

St Steel

G Electrogalvanised

No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm (exception: GRM 55/50 = 20 x 100 mm). Tested for the maintenance of electrical function according to DIN 4102 Part 12 (type: GRM 55 200 4.8 G, GRM 55 300 G, GRM 55 400 G, mounting work and parameters according to valid test certificate).
Tested for installation above suspended fire protection ceilings (type: GRM 55 100 G, GRM 55 200 G, GRM 55 300 G, GRM 55 400 G, fire load 30 minutes, mounting work and parameters according to fire protection reports).
Mesh cable tray with shaped connector of side height 55 mm.
Magnetic shield insulation without lid 15 dB, with lid 25 dB.
You can find detailed information regarding the UL classification in the respective certification.



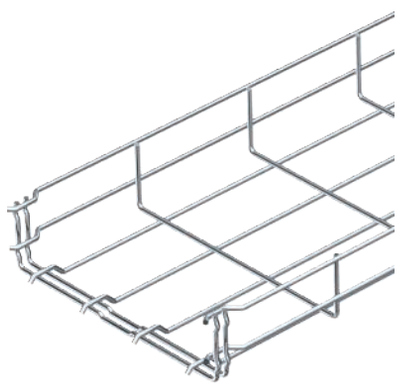
Mesh cable tray GR-Magic® 55

Type	Width mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
GRM 55 50 FT	50	3.9	3	72.334	**6001415**
GRM 55 100 FT	100	3.9	3	75.667	**6001416**
GRM 55 150 FT	150	3.9	3	90.000	**6001418**
GRM 55 200 FT	200	3.9	3	104.667	**6001420**
GRM 55 300 FT	300	4.8	3	198.800	**6001424**
GRM 55 400 FT	400	4.8	3	244.300	**6001428**
GRM 55 500 FT	500	4.8	3	287.700	**6001432**
GRM 55 600 FT	600	4.8	3	331.600	**6001436**

St Steel

FT Hot-dip galvanised

No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm (exception: GRM 55/50 = 20 x 100 mm).
Mesh cable tray with shaped connector of side height 55 mm.
Magnetic shield insulation without lid 15 dB, with lid 25 dB.
You can find detailed information regarding the UL classification in the respective certification.

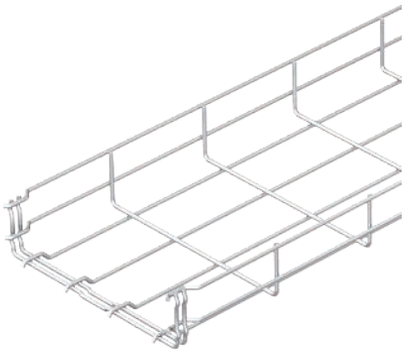


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Always indicate the item number when ordering.

Side height 55

Mesh cable tray GR-Magic® 55



Type	Width mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
GRM 55 50 A2	50	3.9	3	67.000	**6001070**
GRM 55 100 A2	100	3.9	3	72.666	**6001072**
GRM 55 150 A2	150	3.9	3	88.000	**6001074**
GRM 55 200 A2	200	3.9	3	99.000	**6001076**
GRM 55 300 A2	300	4.8	3	191.100	**6001078**
GRM 55 400 A2	400	4.8	3	243.000	**6001080**
GRM 55 500 A2	500	4.8	3	287.000	**6001082**
GRM 55 600 A2	600	4.8	3	331.000	**6001085**

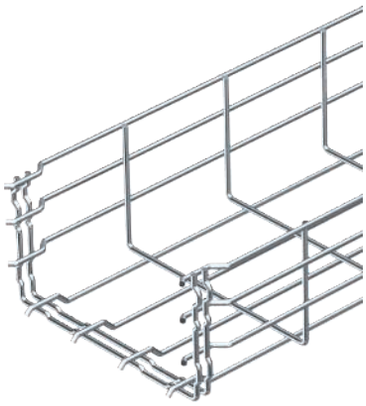
A2 Stainless steel, rustproof

GB Stained

No additional connection components are required for the mesh cable tray, it is simply interlocked.
The grid width is 50 x 100 mm (exception: GRM 55/50 = 20 x 100 mm).
Mesh cable tray with shaped connector of side height 55 mm.

Side height 105

Mesh cable tray GR-Magic® 105



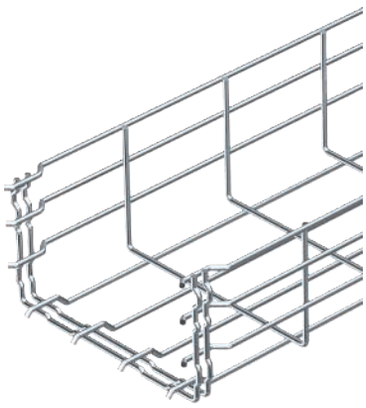
Type	Width mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
GRM 105 100 G	100	3.9	3	99.340	**6002402**
GRM 105 150 G	150	3.9	3	110.600	**6002404**
GRM 105 200 G	200	4.8	3	192.340	**6002406**
GRM 105 300 G	300	4.8	3	236.700	**6002408**
GRM 105 400 G	400	4.8	3	278.000	**6002410**
GRM 105 500 G	500	4.8	3	319.000	**6002415**
GRM 105 600 G	600	4.8	3	363.300	**6002417**

St Steel

G Electrogalvanised

No additional connection components are required for the mesh cable tray, it is simply interlocked.
The grid width is 50 x 100 mm.
Mesh cable tray with shaped connector of side height 105 mm.
Magnetic shield insulation without cover 15 dB, with cover 25 dB.

Mesh cable tray GR-Magic® 105



Type	Width mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
GRM 105 100 FT	100	3.9	3	103.700	**6002431**
GRM 105 150 FT	150	3.9	3	116.000	**6002433**
GRM 105 200 FT	200	4.8	3	200.700	**6002435**
GRM 105 300 FT	300	4.8	3	244.000	**6002437**
GRM 105 400 FT	400	4.8	3	287.700	**6002439**
GRM 105 500 FT	500	4.8	3	333.000	**6002443**
GRM 105 600 FT	600	4.8	3	375.000	**6002445**

St Steel

FT Hot-dip galvanised

No additional connection components are required for the mesh cable tray, it is simply interlocked.
The grid width is 50 x 100 mm.
Mesh cable tray with shaped connector of side height 105 mm.
Magnetic shield insulation without cover 15 dB, with cover 25 dB.

Always indicate the item number when ordering.

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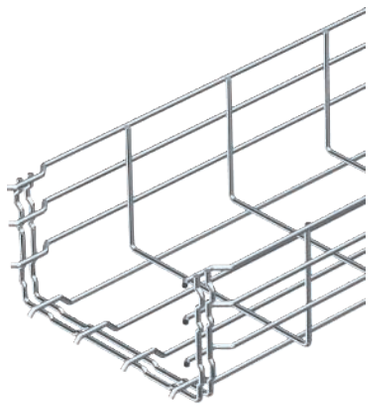
Mesh cable tray GR-Magic® 105

Type	Width mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
GRM 105 100 A2	100	3.9	3	99.000	**6002451**
GRM 105 150 A2	150	3.9	3	111.670	**6002455**
GRM 105 200 A2	200	4.8	3	200.670	**6002457**
GRM 105 300 A2	300	4.8	3	235.000	**6002460**
GRM 105 400 A2	400	4.8	3	277.000	**6002463**
GRM 105 600 A2	600	4.8	3	363.340	**6002469**

A2 Stainless steel, rustproof

GB Stained

No additional connection components are required for the mesh cable tray, it is simply interlocked.
The grid width is 50 x 100 mm.
Mesh cable tray with shaped connector of side height 105 mm.



Accessories for GRM side height 35, 55, 105, 155 mm

Connector

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GSV 34 G	20	3.155	**6016596**

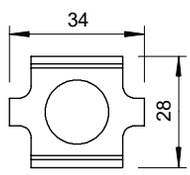
St Steel

G Electrogalvanised

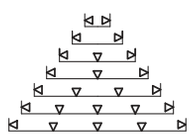
Including FRS M6 x 20 bolt with flange nut.

Screwed version of joint connector for mesh cable trays.

Figure: Positioning and quantity of mesh cable tray connectors.
50–150 mm = 2 units
200–300 mm = 3 units
400–450 mm = 4 units
500–600 mm = 5 units







Joint connector

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GSV 34 FT	20	3.000	**6016634**

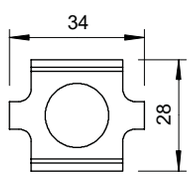
St Steel

FT Hot-dip galvanised

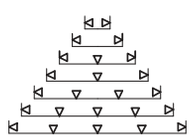
Including FRS M6 x 20 bolt with flange nut.

Screwed version of joint connector for mesh cable trays.

Figure: Positioning and quantity of mesh cable tray connectors.
50–150 mm = 2 units
200–300 mm = 3 units
400–450 mm = 4 units
500–600 mm = 5 units





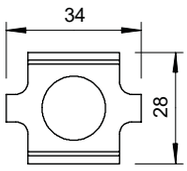


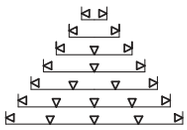
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Always indicate the item number when ordering.

Joint connector







Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GSV 34 A2	20	2.572	**6016642**

A2 Stainless steel, rustproof

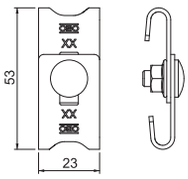
Including screw of type FRS M6 x 20.

Screwed version of joint connector for mesh cable trays.

Figure: Positioning and quantity of mesh cable tray connectors.
50-150 mm = 2 units
200-300 mm = 3 units
400-450 mm = 4 units
500-600 mm = 5 units

Corner connector





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GEV 36 G	20	3.040	**6016715**

St Steel

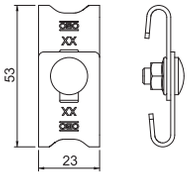
G Electrogalvanised

Including FRS M6 x 12 bolt with flange nut

Corner connector for the creation of mesh cable tray bend elements.

Corner connector





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GEV 36 FT	20	3.160	**6016723**

St Steel

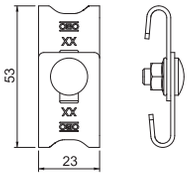
FT Hot-dip galvanised

Including FRS M6 x 12 bolt with flange nut

Corner connector for the creation of mesh cable tray bend elements.

Corner connector





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GEV 36 A2	20	3.040	**6016731**

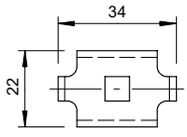
A2 Stainless steel, rustproof

Including FRS M6 x 12 bolt with flange nut

Corner connector for the creation of mesh cable tray bend elements.

Clamping piece





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GKS 34 G	20	1.463	**6016855**

St Steel

G Electrogalvanised

Including FRS M6 x 20 bolt with flange nut.

Clamp for fixing mesh cable trays to wall or support brackets.

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Hold-down clamp

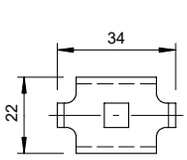
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GKS 34 FT	20	2.000	**6016820**

St Steel

FT Hot-dip galvanised

Including FRS M6 x 20 bolt with flange nut.

Clamp for fixing mesh cable trays to wall or support brackets.





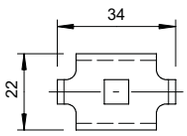
Clamping piece

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GKS 34 A2	20	1.463	**6016839**

A2 Stainless steel, rustproof

Including FRS M6 x 20 screw with nut and washer.

Hold-down clamp for fixing mesh cable trays to wall or support brackets.





Clamping piece

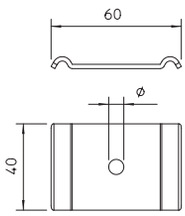
Type	Hole Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GKS 50 07 FS	7	50	3.522	**6015263**
GKS 50 11 FS	11	50	4.000	**6015276**
GKS 50 07 FT	7	50	4.100	**6015271**
GKS 50 11 FT	11	50	4.100	**6015278**

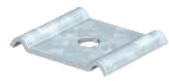
St Steel

FS Strip-galvanised FT Hot-dip galvanised

Use on mesh cable trays with 50 x 100 mm grid only.

Hold-down clamp for fastening mesh cable trays on the ground or on stand-off brackets of type DBL.





Wall clamp / central hanger

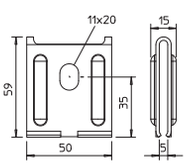
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
K 12 1818 FS	25	7.738	**6437109**

St Steel

FS Strip-galvanised

As wall fastening up to max. mesh cable tray width 200 mm.
As centre suspension up to max. mesh cable tray width 200 mm.
As a pendulum suspension from a width of 300 mm.

Wall clamp and central hanger for mesh cable trays.





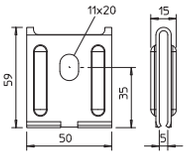
Wall clamp / central hanger

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
K12 1818 A2	25	7.600	**6016421**

A2 Stainless steel, rustproof

As wall fastening up to max. mesh cable tray width 200 mm.
As centre suspension up to max. mesh cable tray width 200 mm.
As a pendulum suspension from a width of 300 mm.

Wall clamp and central hanger for mesh cable trays.

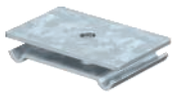


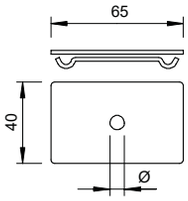


Always indicate the item number when ordering.

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Central suspension





Type	Hole Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GMA M6 FS	7	25	8.000	**6015220**
GMA M8 FS	9	25	8.300	**6015239**
GMA M10 FS	11	25	8.300	**6015247**
GMA M6 FT	7	25	8.400	**6015224**
GMA M8 FT	9	25	8.300	**6015243**
GMA M10 FT	11	25	8.400	**6015255**

St Steel

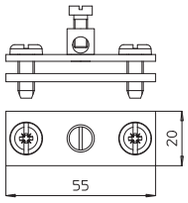
FS Strip-galvanised FT Hot-dip galvanised

When filling with cables, please ensure an even distribution. The maximum recommended mesh cable tray width is 200 mm.

Two-part centre suspension of mesh cable trays.

Earthing terminal for cables and flat conductors





Type	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
939	150	25	5.932	**5043107**

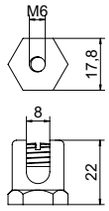
St Steel

G Electrogalvanised

- For cables to 16 mm² and flat conductors
- Fit: cable to 16 mm² x max. FL 30
- With riveted brass connection terminal and one cylinder bolt, M5 x 12, with two cylinder bolts, M6 x 16

Earthing terminal with fastening thread





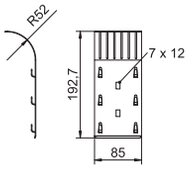
Type	Dimension L mm	Dimension l mm	Cross-section mm²	Thread	Pack. pcs	Weight kg/100 pcs.	Item No.
EKL 25 M6	22	8	25	M6	50	3.100	**6404006**

CuZn Brass

Earthing terminal for fastening the equipotential bonding conductor to the cable support system.

Drop-out plate





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
KAB GR FS	10	14.100	**6220139**
KAB GR FT	10	14.100	**6220142**

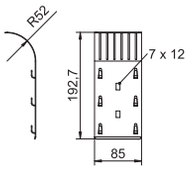
St Steel

FS Strip-galvanised FT Hot-dip galvanised

The drop-out plate allows compliance with specific bend radii, thus preventing possible cable breaks. Can be mounted in a lengthwise direction and at the side, can be arranged for greater widths.

Drop-out plate





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
KAB GR A2	10	14.100	**6220145**

A2 Stainless steel, rustproof

The drop-out plate allows compliance with specific bend radii, thus preventing possible cable breaks. Can be mounted in a lengthwise direction and at the side, can be arranged for greater widths.

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Always indicate the item number when ordering.

Mounting plate

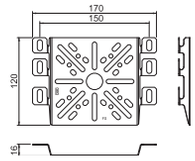
Type	Height mm	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
MP UNI FS	115	170	40	13.300	**7084773**
MP UNI DD	115	170	40	11.000	**7085114**

St Steel

FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

Please order the truss-head bolt, type FRSB 6 x 12, separately.

Mounting plate, for fastening on the side rail of cable support systems.





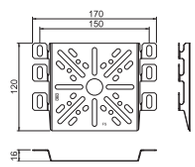
Mounting plate

Type	Height mm	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
MP UNI A2	115	170	40	11.000	**7085133**

A2 Stainless steel, rustproof

Fastening on the side rail of the mesh cable tray is carried out without bolts by bending the lugs.
Fastening on the side rail of cable trays or cable ladders is carried out with two truss-head bolts.
Type B9/T junction boxes can be mounted very easily by inserting the bolt plug supplied into the centre hole on the mounting plate.
Please order the bolt, type FRSB 6 x 12, separately.

Mounting plate, for fastening on the side rail of cable support systems.



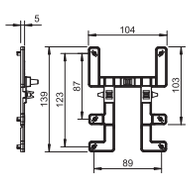


Fastening element for mesh cable tray

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
BE TS GR	10	2.300	**2007833**

PC Polycarbonate

The fastening element BE TS GR can be used to attach OBO junction boxes, type T60 and T100, to mesh cable trays quickly and in a few actions.
This keeps the junction box securely in position. However, it can be quickly dismantled as necessary.





Unperforated cover

Type	Dimension B mm	Plate thickness mm	Length mm	Pack. m	Weight kg/100 m	Item No.
DRLU 050 FS	50	0.75	3000	3	59.770	**6052056**
DRLU 100 FS	100	0.75	3000	3	99.000	**6052103**
DRLU 150 FS	150	0.75	3000	3	138.270	**6052153**
DRLU 200 FS	200	1.00	3000	3	177.500	**6052210**
DRLU 300 FS	300	1.00	3000	3	256.000	**6052307**
DRLU 400 FS	400	1.00	3000	3	334.670	**6052405**
DRLU 500 FS	500	1.25	3000	3	619.230	**6052512**
DRLU 600 FS	600	1.25	3000	3	737.000	**6052609**
DRLU 050 DD	50	0.75	3000	3	59.770	**6052640**
DRLU 100 DD	100	0.75	3000	3	99.000	**6052643**
DRLU 150 DD	150	0.75	3000	3	138.270	**6052647**
DRLU 200 DD	200	1.00	3000	3	177.500	**6052650**
DRLU 300 DD	300	1.00	3000	3	256.000	**6052656**
DRLU 400 DD	400	1.00	3000	3	334.500	**6052662**
DRLU 500 DD	500	1.25	3000	3	619.230	**6052668**
DRLU 600 DD	600	1.25	3000	3	737.000	**6052674**

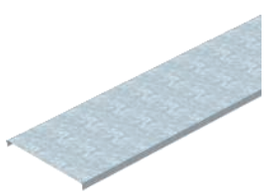
St Steel

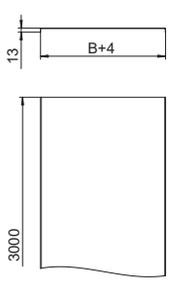
FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

Transverse bead from 500 mm width.

Cover for cable trays and mesh cable trays.

When using covers outdoors, additional measures against the influence of wind must be taken.



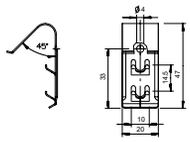


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Always indicate the item number when ordering.

Cover clamp, universal





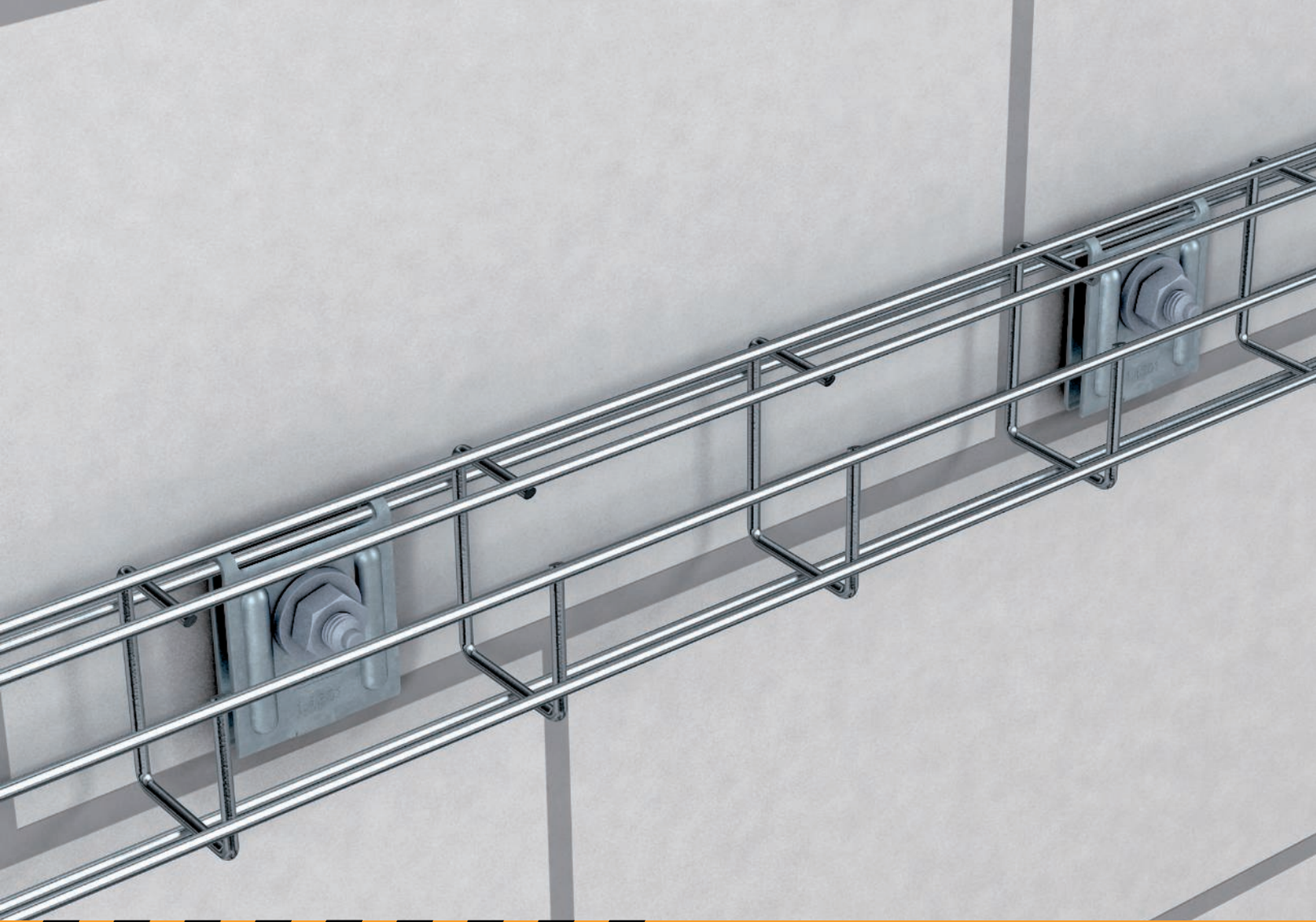
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
DKU A2	20	0.794	**6065600**

A2 Stainless steel, rustproof

Depending on the tray width, 4–6 cover clamps are required for secure fastening of a 3 m cover.
Cover clamp for universal fastening of covers on cable trays, mesh cable trays and AZ channels.
The cover clamp is not suitable for use with mesh cable trays with a side height of 35 mm.

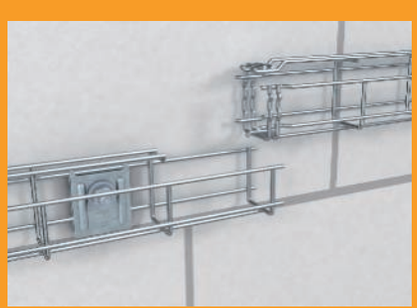
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Always indicate the item number when ordering.



Magic G mesh cable tray

The Magic G mesh cable tray is the ideal extension of the Magic solutions for the OBO Bettermann mesh cable tray systems. The quick Magic connection means that a screwless and easy-to-mount variant is now offered for the G mesh cable tray system as well. Even in false ceiling mounting, it is an ideal alternative through direct wall or ceiling mounting. The Magic G mesh cable tray is available in four sizes and three surfaces, thus offering ideal solutions for all kinds of tasks.

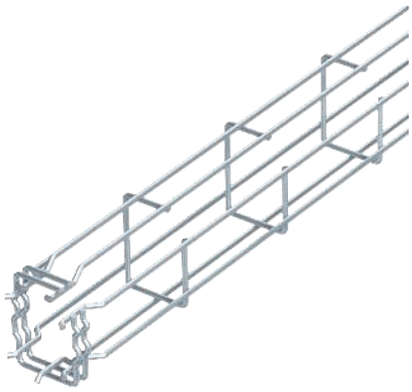






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G mesh cable tray Magic, side height 50 mm



Type	Side height mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
G-GRM 50 50 G	50	3.9	3	67.100	**6005535**

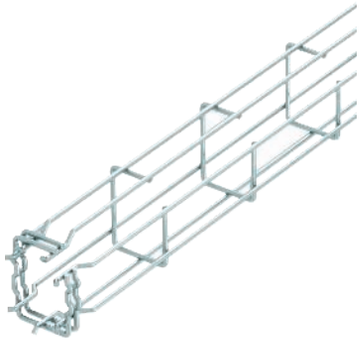
St Steel

G Electrogalvanised

G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths. Direct wall or ceiling mounting possible. Load capacity details regarding the different mounting methods are available upon request.

Magnetic shield insulation 15 dB.

G mesh cable tray Magic, side height 50 mm



Type	Side height mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
G-GRM 50 50 FT	50	3.9	3	68.600	**6005520**

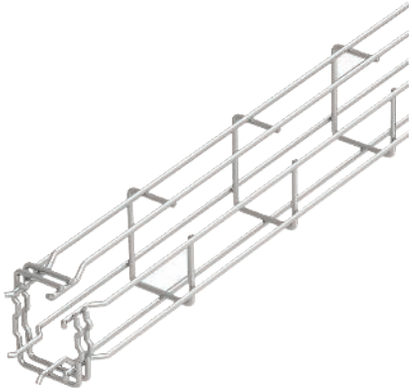
St Steel

FT Hot-dip galvanised

G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths. Direct wall or ceiling mounting possible. Load capacity details regarding the different mounting methods are available upon request.

Magnetic shield insulation 15 dB.

G mesh cable tray Magic, side height 50 mm



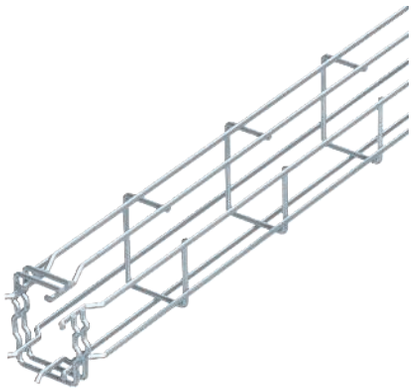
Type	Side height mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
G-GRM 50 50 A2	50	3.9	3	67.100	**6005550**

A2 Stainless steel, rustproof

G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths. Direct wall or ceiling mounting possible. Load capacity details regarding the different mounting methods are available upon request.

Magnetic shield insulation 15 dB.

G mesh cable tray Magic, side height 75 mm



Type	Side height mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
G-GRM 75 50 G	75	3.9	3	79.900	**6005538**

St Steel

G Electrogalvanised

G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths. Direct wall or ceiling mounting possible. Load capacity details regarding the different mounting methods are available upon request.

Magnetic shield insulation 15 dB.

Always indicate the item number when ordering.

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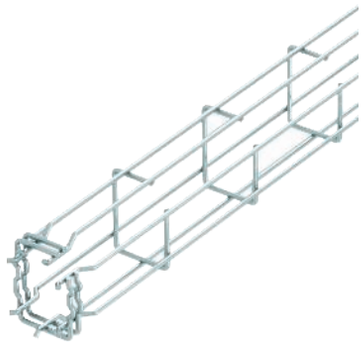
G mesh cable tray Magic, side height 75 mm

Type	Side height mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
G-GRM 75 50 FT	75	3.9	3	81.700	**6005523**

St Steel

FT Hot-dip galvanised

G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths. Direct wall or ceiling mounting possible. Load capacity details regarding the different mounting methods are available upon request.
Magnetic shield insulation 15 dB.

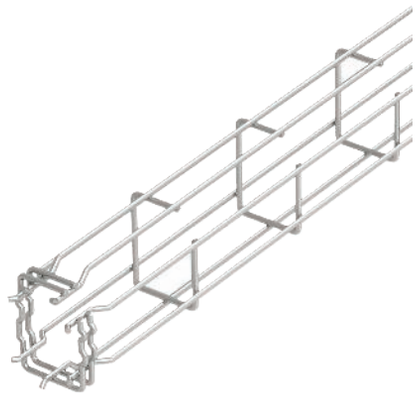


G mesh cable tray Magic, side height 75 mm

Type	Side height mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
G-GRM 75 50 A2	75	3.9	3	79.900	**6005553**

A2 Stainless steel, rustproof

G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths. Direct wall or ceiling mounting possible. Load capacity details regarding the different mounting methods are available upon request.
Magnetic shield insulation 15 dB.



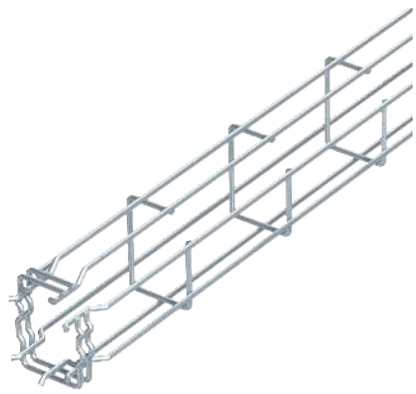
G mesh cable tray Magic, side height 125 mm

Type	Side height mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
G-GRM 125 75 G	125	3.9	3	108.000	**6005541**

St Steel

G Electrogalvanised

G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths. Direct wall or ceiling mounting possible. Load capacity details regarding the different mounting methods are available upon request.
Magnetic shield insulation 15 dB.



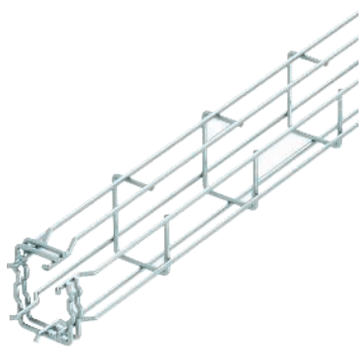
G mesh cable tray Magic, side height 125 mm

Type	Side height mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
G-GRM 125 75 FT	125	3.9	3	113.670	**6005526**

St Steel

FT Hot-dip galvanised

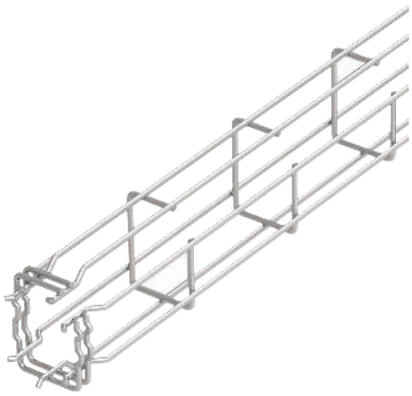
G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths. Direct wall or ceiling mounting possible. Load capacity details regarding the different mounting methods are available upon request.
Magnetic shield insulation 15 dB.



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Always indicate the item number when ordering.

G mesh cable tray Magic, side height 125 mm

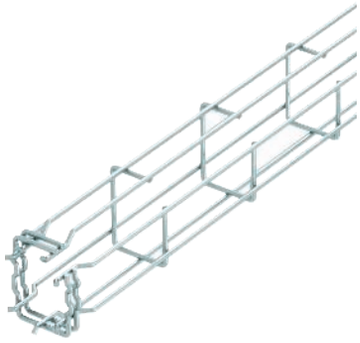


Type	Side height mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
G-GRM 125 75 A2	125	3.9	3	108.000	**6005556**

A2 Stainless steel, rustproof

G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths. Direct wall or ceiling mounting possible. Load capacity details regarding the different mounting methods are available upon request.
Magnetic shield insulation 15 dB.

G mesh cable tray Magic, side height 150 mm



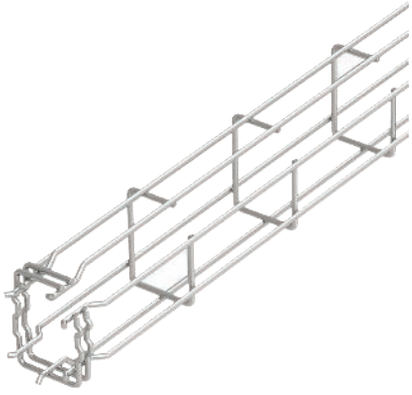
Type	Side height mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
G-GRM 150 100 FT	150	3.9	3	130.900	**6005529**

St Steel

FT Hot-dip galvanised

G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths. Direct wall or ceiling mounting possible. Load capacity details regarding the different mounting methods are available upon request.
Magnetic shield insulation 15 dB.

G mesh cable tray Magic, side height 150 mm



Type	Side height mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
G-GRM 150 100 A2	150	3.9	3	128.000	**6005559**

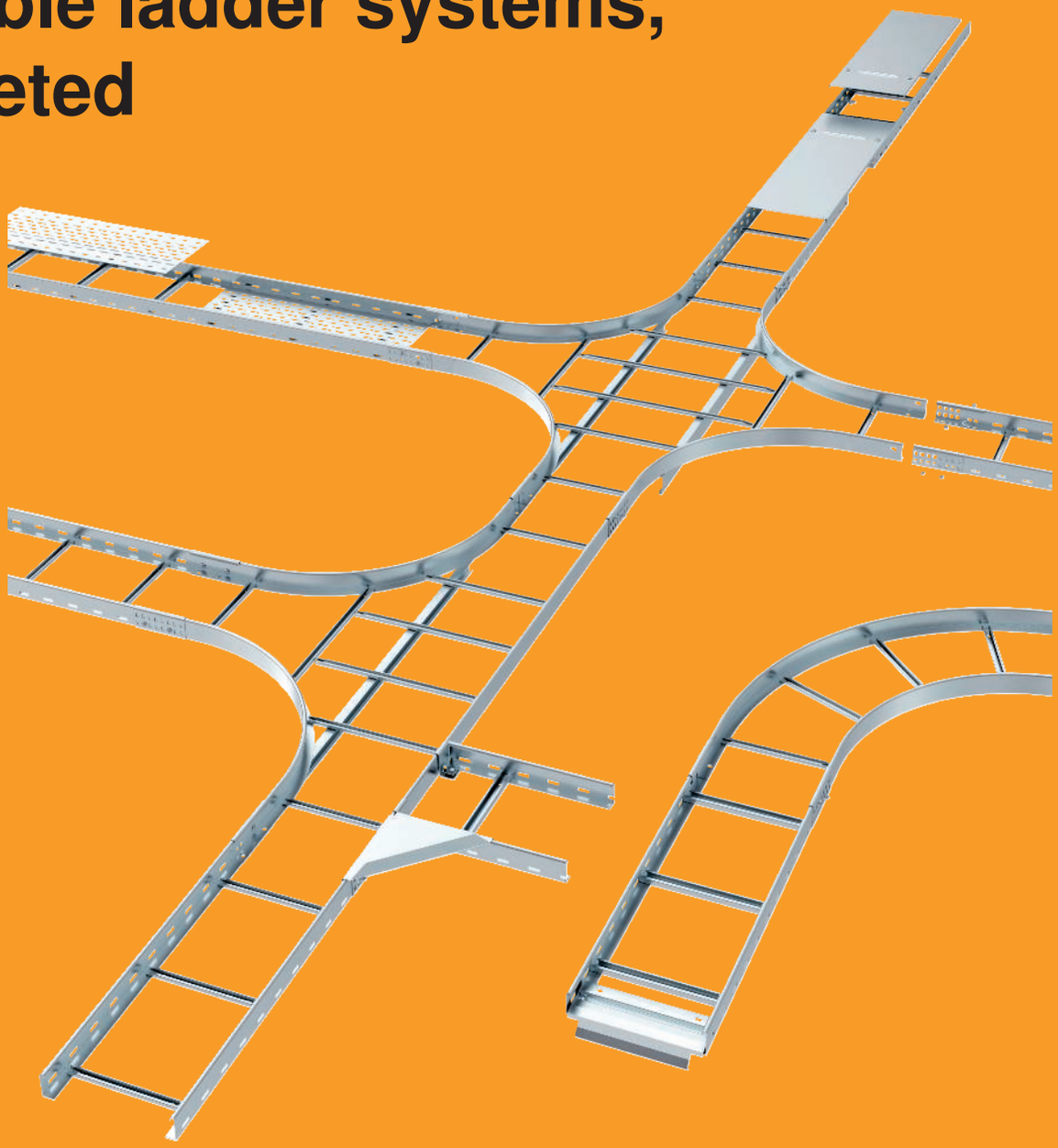
A2 Stainless steel, rustproof

G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths. Direct wall or ceiling mounting possible. Load capacity details regarding the different mounting methods are available upon request.
Magnetic shield insulation 15 dB.

Always indicate the item number when ordering.

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Cable ladder systems, riveted



The high load capacity and good ventilation of the OBO cable ladder systems can offer tangible benefits, in particular during the installation of power cables. OBO Bettermann's cable ladder systems can be used universally and, due to the continuous rail and rung perforation, can offer countless installation benefits. A factor guaranteeing easy mounting is the option of integrated fastening of cables using OBO U clamps to the rungs, which are available in various different versions.

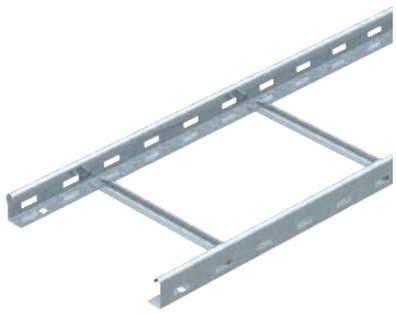






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Cable ladder LG 45, 3 m



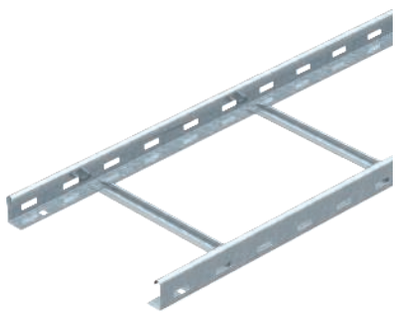
Type	Width mm	Rail thickness mm	Pack. m	Weight kg/100 m	Item No.
LG 420 NS 3 FS	200	1.25	3	188.300	**6200508**
LG 430 NS 3 FS	300	1.25	3	202.500	**6200511**
LG 440 NS 3 FS	400	1.25	3	216.700	**6200514**
LG 450 NS 3 FS	500	1.25	3	243.700	**6200517**
LG 460 NS 3 FS	600	1.25	3	260.800	**6200520**

St Steel

FS Strip-galvanised

The cable ladder is shipped folded up.
You can find the appropriate U clamp of type 2056/N in the vertical ladder systems chapter.
Cable ladder with perforated side rail of side height 45 mm with riveted C profile rungs, open in an upwards direction.

Cable ladder LG 45, 6 m



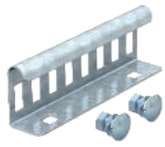
Type	Width mm	Rail thickness mm	Pack. m	Weight kg/100 m	Item No.
LG 420 NS 6 FT	200	1.25	6	203.000	**6200605**
LG 430 NS 6 FT	300	1.25	6	218.000	**6200608**
LG 440 NS 6 FT	400	1.25	6	233.000	**6200611**
LG 450 NS 6 FT	500	1.25	6	261.300	**6200614**
LG 460 NS 6 FT	600	1.25	6	278.000	**6200617**

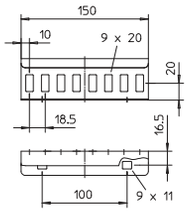
St Steel

FT Hot-dip galvanised

The cable ladder is shipped folded up.
You can find the appropriate U clamp of type 2056/N in the vertical ladder systems chapter.
Cable ladder with perforated side rail of side height 45 mm with riveted C profile rungs, open in an upwards direction.

Straight connector





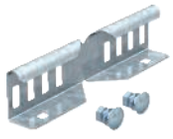
Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LVG 45 FS	45	10	19.000	**6200832**
LVG 45 FT	45	10	20.000	**6200835**

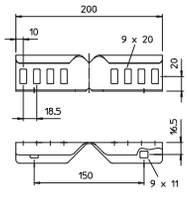
St Steel

FS Strip-galvanised FT Hot-dip galvanised

The bolt fastening ensures the continuity of the equipotential bonding.
Straight connector as external connector to connect cable ladders and fittings with a side height of 45 mm and continuous side perforation.

Straight and angle connector





Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LWVG 45 FS	45	10	17.600	**6200882**

St Steel

FS Strip-galvanised

The bolt fastening ensures the continuity of the equipotential bonding.
Angle connector as external connector to join cable ladders and fittings with a side height of 45 mm and continuous rail perforation.

Always indicate the item number when ordering.

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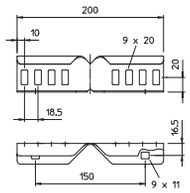
Straight and angle connector

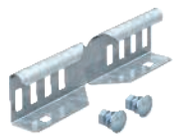
Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LWVG 45 A2	45	10	17.600	**6200885**

A2 Stainless steel, rustproof

The bolt fastening ensures the continuity of the equipotential bonding.

Angle connector as external connector to join cable ladders and fittings with a side height of 45 mm and continuous rail perforation.





Adjustable connector

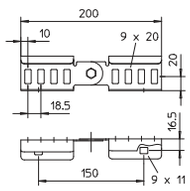
Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LGVG 45 FS	45	10	23.300	**6200926**
LGVG 45 FT	45	10	24.500	**6200929**

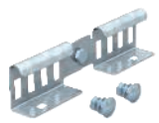
St Steel

FS Strip-galvanised FT Hot-dip galvanised

The bolt fastening ensures the continuity of the equipotential bonding.

Adjustable connector as external connector to join cable ladders and fittings with a side height of 45 mm and continuous rail perforation. Angle can be adjusted vertically.





90° bend

Type	Dimension B mm	Rail thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LB 90 420 R3 FS	200	1.25	1	196.400	**6225002**
LB 90 430 R3 FS	300	1.25	1	255.000	**6225003**
LB 90 440 R3 FS	400	1.25	1	302.200	**6225006**
LB 90 450 R3 FS	500	1.25	1	378.300	**6225008**
LB 90 460 R3 FS	600	1.25	1	390.800	**6225010**
LB 90 420 R3 FT	200	1.25	1	210.100	**6225022**
LB 90 430 R3 FT	300	1.25	1	272.900	**6225024**
LB 90 440 R3 FT	400	1.25	1	322.400	**6225026**
LB 90 450 R3 FT	500	1.25	1	404.300	**6225028**
LB 90 460 R3 FT	600	1.25	1	459.600	**6225030**

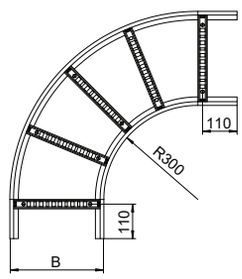
St Steel

FS Strip-galvanised FT Hot-dip galvanised

Connectors should be ordered separately and in the appropriate quantity.

90° bend, horizontal, with welded rung for all cable ladder types of 45 mm side height.





Mounting/branch piece

Type	Dimension B mm	Rail thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LAA 420 R3 FS	200	1.25	1	256.000	**6225810**
LAA 430 R3 FS	300	1.25	1	278.000	**6225812**
LAA 440 R3 FS	400	1.25	1	300.000	**6225814**
LAA 450 R3 FS	500	1.25	1	321.000	**6225816**
LAA 460 R3 FS	600	1.25	1	345.000	**6225818**
LAA 420 R3 FT	200	1.25	1	296.000	**6225830**
LAA 430 R3 FT	300	1.25	1	291.000	**6225832**
LAA 440 R3 FT	400	1.25	1	314.000	**6225834**
LAA 450 R3 FT	500	1.25	1	337.000	**6225836**
LAA 460 R3 FT	600	1.25	1	361.000	**6225838**

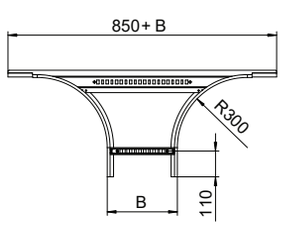
St Steel

FS Strip-galvanised FT Hot-dip galvanised

Connectors should be ordered separately and in the appropriate quantity.

Add-on tee with welded rung for use in the cable ladder types with a side height of 45 mm.

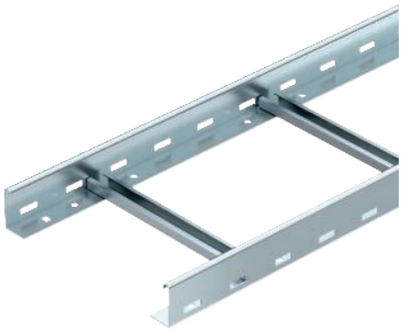




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Always indicate the item number when ordering.

Cable ladder LG 60, 3 m VS



Type	Width mm	Rail thickness mm	Pack. m	Weight kg/100 m	Item No.
LG 620 VS 3 FS	200	1.5	3	281.700	**6208538**
LG 630 VS 3 FS	300	1.5	3	306.000	**6208541**
LG 640 VS 3 FS	400	1.5	3	330.000	**6208544**
LG 650 VS 3 FS	500	1.5	3	354.300	**6208547**
LG 660 VS 3 FS	600	1.5	3	378.300	**6208550**
LG 620 VS 3 FT	200	1.5	3	298.300	**6208562**
LG 630 VS 3 FT	300	1.5	3	324.300	**6208566**
LG 640 VS 3 FT	400	1.5	3	350.000	**6208570**
LG 650 VS 3 FT	500	1.5	3	376.000	**6208574**
LG 660 VS 3 FT	600	1.5	3	401.700	**6208578**

St Steel

FS Strip-galvanised FT Hot-dip galvanised

The cable ladder is shipped folded up.
Cables can be mounted with the matching clamp clip, type 2056.
The cable ladders in the widths 200 mm to 400 mm are also approved for vertical mounting as a vertical ladder in systems that guarantee the maintenance of electrical functionality according to DIN 4102 Part 12. Cables can be mounted with the clamp clip approved for function maintenance, type 2056 M.
Cable ladder with perforated side rail of side height 60 mm with riveted C profile frames, open in an upwards direction (VS version).

Cable ladder LCIS 60, 3 m C30



Type	Width mm	Rail thickness mm	Pack. m	Weight kg/100 m	Item No.
LCIS 620 3 FS	200	1.5	3	266.670	**6209610**
LCIS 630 3 FS	300	1.5	3	288.670	**6209612**
LCIS 640 3 FS	400	1.5	3	310.340	**6209614**
LCIS 650 3 FS	500	1.5	3	332.340	**6209616**
LCIS 660 3 FS	600	1.5	3	354.000	**6209618**
LCIS 620 3 FT	200	1.5	3	283.000	**6209721**
LCIS 630 3 FT	300	1.5	3	306.000	**6209723**
LCIS 640 3 FT	400	1.5	3	329.340	**6209725**
LCIS 650 3 FT	500	1.5	3	352.340	**6209727**
LCIS 660 3 FT	600	1.5	3	375.340	**6209729**

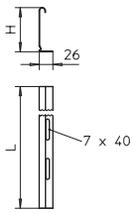
St Steel

FS Strip-galvanised FT Hot-dip galvanised

Cable ladder with 60 mm side height with welded C30 profile rungs which are open in an upwards direction. Rolled side rail for reinforcement and as edge protection. Fastening to the bracket takes place using clamping pieces, type LKS 40. The slot dimension of the rung is 16.5 mm and the appropriate clamp clip is type 2056.

Separating retainer 45





Type	Dimension H mm	Plate thickness mm	Dimension L mm	Pack. m	Weight kg/100 m	Item No.
TSG 45 FS	45	0.75	3000	3	46.700	**6062033**
TSG 45 DD	45	0.75	3000	3	46.800	**6062321**

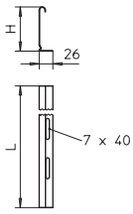
St Steel

FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

Separating retainer for separation of cables of different voltages or functions.

Barrier strip 45





Type	Dimension H mm	Plate thickness mm	Dimension L mm	Pack. m	Weight kg/100 m	Item No.
TSG 45 A2	45	0.75	3000	3	47.000	**6062025**

A2 Stainless steel, rustproof

Separating retainer for separation of cables of different voltages or functions.

Always indicate the item number when ordering.

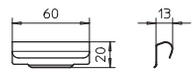
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Separating retainer connector

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
TSGV A2	10	0.899	**6067970**

A2 Stainless steel, rustproof

Separating retainer connector for screwless connection of the TSG separating retainer in all side heights.





Straight connector

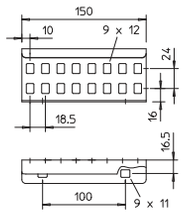
Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LVG 60 FS	60	10	22.000	**6208840**
LVG 60 FT	60	10	23.000	**6208843**

St Steel

FS Strip-galvanised FT Hot-dip galvanised

The bolt fastening ensures the continuity of the equipotential bonding.

Straight connector as external connector to connect cable ladders and fittings with a side height of 60 mm and continuous rail perforation.





Straight and angle connector

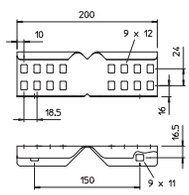
Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LWVG 60 FS	60	10	24.000	**6208895**

St Steel

FS Strip-galvanised

The bolt fastening ensures the continuity of the equipotential bonding.

Angle connector as external connector to join cable ladders and fittings with a side height of 60 mm and continuous rail perforation.





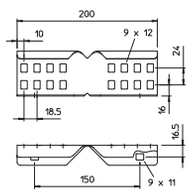
Straight and angle connector

Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LWVG 60 A2	60	10	24.000	**6208898**

A2 Stainless steel, rustproof

The bolt fastening ensures the continuity of the equipotential bonding.

Angle connector as external connector to join cable ladders and fittings with a side height of 60 mm and continuous rail perforation.





Adjustable connector

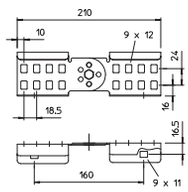
Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LGVG 60 FS	60	10	28.500	**6208941**
LGVG 60 FT	60	10	29.900	**6208944**

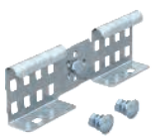
St Steel

FS Strip-galvanised FT Hot-dip galvanised

The bolt fastening ensures the continuity of the equipotential bonding.

Adjustable connector as external connector to join cable ladders and fittings with a side height of 60 mm and continuous rail perforation. Angle can be adjusted vertically.



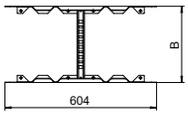


Always indicate the item number when ordering.

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Multifunctional connector





Type	Dimension B mm	Side height mm	Plate thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LMFV 620 FS	200	60	1.50	1	123.200	**6225710**
LMFV 630 FS	300	60	1.50	1	129.700	**6225712**
LMFV 640 FS	400	60	1.50	1	136.200	**6225714**
LMFV 650 FS	500	60	1.50	1	142.800	**6225716**
LMFV 660 FS	600	60	1.50	1	149.300	**6225718**
LMFV 620 FT	200	60	1.50	1	130.600	**6225730**
LMFV 630 FT	300	60	1.50	1	137.500	**6225732**
LMFV 640 FT	400	60	1.50	1	144.400	**6225734**
LMFV 650 FT	500	60	1.50	1	151.300	**6225736**
LMFV 660 FT	600	60		1	158.200	**6225738**

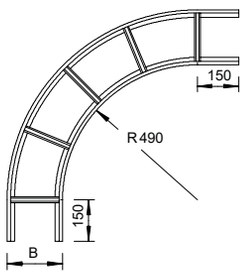
St Steel

FS Strip-galvanised FT Hot-dip galvanised

Multifunctional connector for joining cable ladders with a side height of 60 mm. Symmetric and asymmetric reductions, bends between 0–60° and mounting/branch pieces can be created.

90° bend VS





Type	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LBI 90 620 VS FS	200	1	358.000	**6211224**
LBI 90 630 VS FS	300	1	412.000	**6211232**
LBI 90 640 VS FS	400	1	497.000	**6211240**
LBI 90 650 VS FS	500	1	597.800	**6211259**
LBI 90 660 VS FS	600	1	664.000	**6211267**
LBI 90 620 VS FT	200	1	380.000	**6211321**
LBI 90 630 VS FT	300	1	437.000	**6211348**
LBI 90 640 VS FT	400	1	526.000	**6211356**
LBI 90 650 VS FT	500	1	589.900	**6211364**
LBI 90 660 VS FT	600	1	704.000	**6211372**

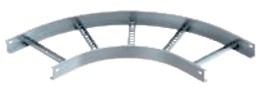
St Steel

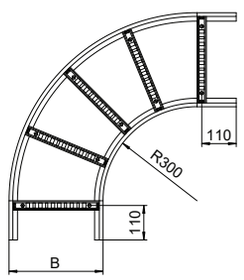
FS Strip-galvanised FT Hot-dip galvanised

Connectors should be ordered separately and in the appropriate quantity.

90° bend, horizontal, for cable ladders with medium-duty rungs (VS) and a side height of 60 mm.

90° bend





Type	Dimension B mm	Rail thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LB 90 620 R3 FS	200	1.5	1	254.500	**6225042**
LB 90 630 R3 FS	300	1.5	1	318.300	**6225044**
LB 90 640 R3 FS	400	1.5	1	368.700	**6225046**
LB 90 650 R3 FS	500	1.5	1	451.900	**6225048**
LB 90 660 R3 FS	600	1.5	1	508.900	**6225050**
LB 90 620 R3 FT	200	1.5	1	269.800	**6225062**
LB 90 630 R3 FT	300	1.5	1	338.500	**6225064**
LB 90 640 R3 FT	400	1.5	1	392.100	**6225066**
LB 90 650 R3 FT	500	1.5	1	480.700	**6225068**
LB 90 660 R3 FT	600	1.5	1	536.500	**6225070**

St Steel

FS Strip-galvanised FT Hot-dip galvanised

Connectors should be ordered separately and in the appropriate quantity.

90° bend, horizontal, with welded rung for all cable ladder types of 60 mm side height.

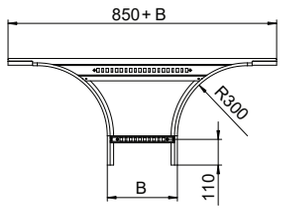
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Always indicate the item number when ordering.

Mounting/branch piece

Type	Dimension B mm	Rail thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LAA 620 R3 FS	200	1.5	1	306.000	**6225850**
LAA 630 R3 FS	300	1.5	1	328.000	**6225852**
LAA 640 R3 FS	400	1.5	1	351.000	**6225854**
LAA 650 R3 FS	500	1.5	1	373.000	**6225856**
LAA 660 R3 FS	600	1.5	1	395.000	**6225858**
LAA 620 R3 FT	200	1.5	1	316.000	**6225870**
LAA 630 R3 FT	300	1.5	1	339.000	**6225872**
LAA 640 R3 FT	400	1.5	1	363.000	**6225874**
LAA 650 R3 FT	500	1.5	1	387.000	**6225876**
LAA 660 R3 FT	600	1.5	1	410.000	**6225878**





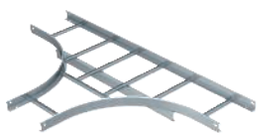
St Steel

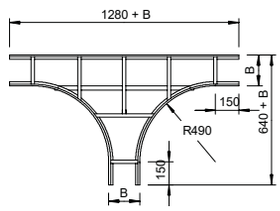
FS Strip-galvanised FT Hot-dip galvanised

Connectors should be ordered separately and in the appropriate quantity.

T piece, VS

Type	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LT 620 VS FS	200	1	677.000	**6213723**
LT 630 VS FS	300	1	789.000	**6213731**
LT 640 VS FS	400	1	871.000	**6213758**
LT 650 VS FS	500	1	952.000	**6213766**
LT 660 VS FS	600	1	1,094.000	**6213774**
LT 620 VS FT	200	1	718.000	**6213820**
LT 630 VS FT	300	1	837.000	**6213839**
LT 640 VS FT	400	1	924.000	**6213847**
LT 650 VS FT	500	1	1,009.000	**6213855**
LT 660 VS FT	600	1	1,160.000	**6213863**





St Steel

FS Strip-galvanised FT Hot-dip galvanised

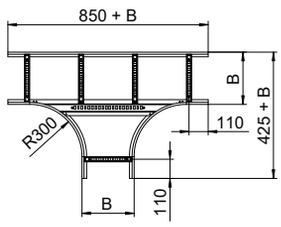
Connectors should be ordered separately and in the appropriate quantity.

Tee, VS rung, side height 60 mm, horizontal, for cable ladders with medium-duty rungs (VS) and a side height of 60 mm.

T piece

Type	Dimension B mm	Rail thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LT 620 R3 FS	200	1.5	1	468.700	**6225210**
LT 630 R3 FS	300	1.5	1	531.000	**6225212**
LT 640 R3 FS	400	1.5	1	619.700	**6225214**
LT 650 R3 FS	500	1.5	1	688.600	**6225216**
LT 660 R3 FS	600	1.5	1	757.400	**6225218**
LT 620 R3 FT	200	1.5	1	494.800	**6225230**
LT 630 R3 FT	300	1.5	1	595.500	**6225232**
LT 640 R3 FT	400	1.5	1	656.500	**6225234**
LT 650 R3 FT	500	1.5	1	729.500	**6225236**
LT 660 R3 FT	600	1.5	1	797.100	**6225238**





St Steel

FS Strip-galvanised FT Hot-dip galvanised

Connectors should be ordered separately and in the appropriate quantity.

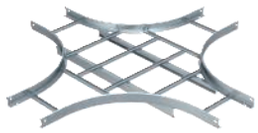
Tee, horizontal, with welded rung for all cable ladder types of 60 mm side height.

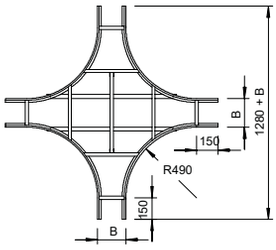
Always indicate the item number when ordering.

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Side height 60 mm

Cross-over, VS





Type	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LK 620 VS FS	200	1	935.000	**6214223**
LK 630 VS FS	300	1	1,080.000	**6214231**
LK 640 VS FS	400	1	1,175.000	**6214258**
LK 650 VS FS	500	1	1,271.000	**6214266**
LK 660 VS FS	600	1	1,445.000	**6214274**
LK 620 VS FT	200	1	993.000	**6214320**
LK 630 VS FT	300	1	1,145.000	**6214339**
LK 640 VS FT	400	1	1,247.000	**6214347**
LK 650 VS FT	500	1	1,348.000	**6214355**
LK 660 VS FT	600	1	1,533.000	**6214363**

St Steel

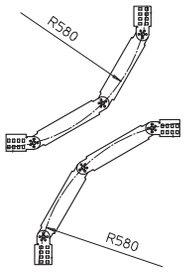
FS Strip-galvanised FT Hot-dip galvanised

Connectors should be ordered separately and in the appropriate quantity.

Horizontal cross-over for cable ladders with medium-duty rungs (VS) and a side height of 60 mm.

Adjustable bend, vertical, VS





Type	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LGBV 620 VS FS	200	1	257.000	**6213227**
LGBV 630 VS FS	300	1	286.000	**6213235**
LGBV 640 VS FS	400	1	315.000	**6213243**
LGBV 650 VS FS	500	1	344.000	**6213251**
LGBV 660 VS FS	600	1	374.000	**6213278**
LGBV 620 VS FT	200	1	270.000	**6213324**
LGBV 630 VS FT	300	1	301.000	**6213332**
LGBV 640 VS FT	400	1	332.000	**6213340**
LGBV 650 VS FT	500	1	363.000	**6213359**
LGBV 660 VS FT	600	1	394.000	**6213367**

St Steel

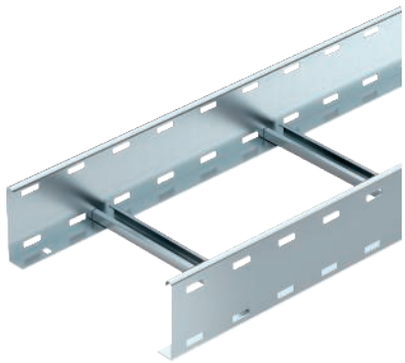
FS Strip-galvanised FT Hot-dip galvanised

The fitting is shipped in an unmounted state including adjustable connectors and the appropriate bolts.

90° adjustable vertical bend, for cable ladders with medium-duty rung (VS) and a side height of 60 mm.

Side height 110 mm

Cable ladder LG 110, 3 m VS



Type	Width mm	Rail thickness mm	Pack. m	Weight kg/100 m	Item No.
LG 112 VS 3 FS	200	1.5	3	382.000	**6216404**
LG 113 VS 3 FS	300	1.5	3	406.000	**6216407**
LG 114 VS 3 FS	400	1.5	3	430.300	**6216410**
LG 115 VS 3 FS	500	1.5	3	454.300	**6216413**
LG 116 VS 3 FS	600	1.5	3	478.700	**6216416**
LG 112 VS 3 FT	200	1.5	3	405.000	**6216423**
LG 113 VS 3 FT	300	1.5	3	430.700	**6216426**
LG 114 VS 3 FT	400	1.5	3	456.700	**6216429**
LG 115 VS 3 FT	500	1.5	3	482.300	**6216432**
LG 116 VS 3 FT	600	1.5	3	508.300	**6216435**

St Steel

FS Strip-galvanised FT Hot-dip galvanised

The cable ladder is shipped folded up.

You can find the appropriate type 2056 clamp clip in the vertical ladder systems section.

Cable ladder with perforated side rail of side height 110 mm with riveted C profile rungs, open in an upwards direction.

Always indicate the item number when ordering.

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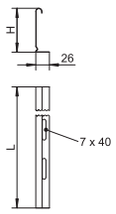
Barrier strip 85

Type	Dimension H mm	Plate thickness mm	Dimension L mm	Pack. m	Weight kg/100 m	Item No.
TSG 85 FS	85	0.75	3000	3	70.300	**6062114**
TSG 85 DD	85	0.75	3000	3	70.300	**6062331**

St Steel

FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

Separating retainer for separation of cables of different voltages or functions.



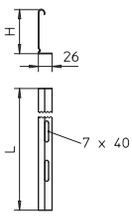


Barrier strip 85

Type	Dimension H mm	Plate thickness mm	Dimension L mm	Pack. m	Weight kg/100 m	Item No.
TSG 85 A2	85	0.75	3000	3	69.670	**6062173**

A2 Stainless steel, rustproof

Barrier strip for separation of cables of different voltages or functions.



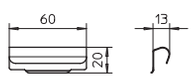


Separating retainer connector

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
TSGV A2	10	0.899	**6067970**

A2 Stainless steel, rustproof

Separating retainer connector for screwless connection of the TSG separating retainer in all side heights.





Straight connector

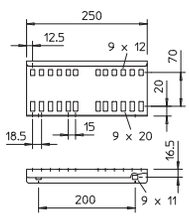
Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LVG 110 FS	110	10	50.900	**6216545**
LVG 110 FT	110	10	53.700	**6216548**

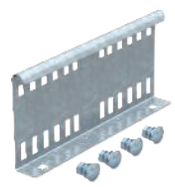
St Steel

FS Strip-galvanised FT Hot-dip galvanised

The bolt fastening ensures the continuity of the equipotential bonding.

Straight connector as external connector to connect cable ladders and fittings with a side height of 110 mm and continuous rail perforation.





Straight and angle connector

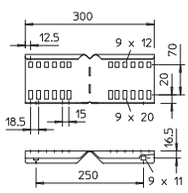
Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LWVG 110 FS	110	10	48.800	**6216587**

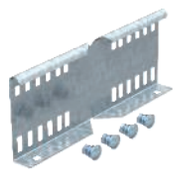
St Steel

FS Strip-galvanised

The bolt fastening ensures the continuity of the equipotential bonding.

Angle connector as external connector to join cable ladders and fittings with a side height of 110 mm and continuous rail perforation.





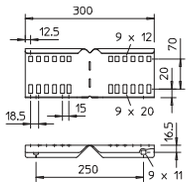
Straight and angle connector

Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LWVG 110 A2	110	10	48.800	**6216590**

A2 Stainless steel, rustproof

The bolt fastening ensures the continuity of the equipotential bonding.

Angle connector as external connector to join cable ladders and fittings with a side height of 110 mm and continuous rail perforation.

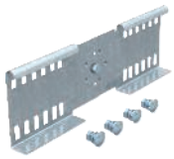


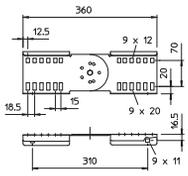


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Always indicate the item number when ordering.

Adjustable connector





Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LGVG 110 FS	110	10	61.000	**6216650**
LGVG 110 FT	110	10	65.000	**6216653**

St Steel

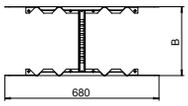
FS Strip-galvanised FT Hot-dip galvanised

The bolt fastening ensures the continuity of the equipotential bonding.

Adjustable connector as internal connector to join cable ladders and fittings with a side height of 110 mm. Angle can be adjusted vertically.

Multifunctional connector





Type	Dimension B mm	Side height mm	Plate thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LMFV 1120 FS	200	110	1.50	1	208.100	**6225750**
LMFV 1130 FS	300	110	1.50	1	214.600	**6225752**
LMFV 1140 FS	400	110	1.50	1	221.100	**6225754**
LMFV 1150 FS	500	110	1.50	1	227.600	**6225756**
LMFV 1160 FS	600	110	1.50	1	234.000	**6225758**
LMFV 1120 FT	200	110	1.50	1	221.300	**6225770**
LMFV 1130 FT	300	110	1.50	1	228.200	**6225772**
LMFV 1140 FT	400	110	1.50	1	235.100	**6225774**
LMFV 1145 FT	450	110	1.50	1	238.500	**6225776**
LMFV 1150 FT	500	110	1.50	1	241.900	**6225778**
LMFV 1160 FT	600	110	1.50	1	248.800	**6225780**

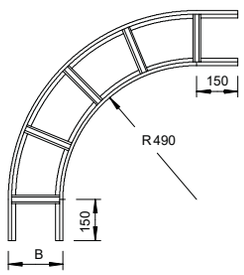
St Steel

FS Strip-galvanised FT Hot-dip galvanised

Multifunctional connector for joining cable ladders with a side height of 110 mm. Symmetrical and asymmetrical reductions, infinitely-adjustable bends between 0–60° and mounting/branch pieces can be created.

90° bend VS





Type	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LBI 90 112 VS FS	200	1	499.000	**6217621**
LBI 90 113 VS FS	300	1	559.900	**6217648**
LBI 90 114 VS FS	400	1	641.500	**6217656**
LBI 90 115 VS FS	500	1	723.000	**6217664**
LBI 90 116 VS FS	600	1	834.600	**6217672**
LBI 90 112 VS FT	200	1	532.000	**6217729**
LBI 90 113 VS FT	300	1	597.000	**6217737**
LBI 90 114 VS FT	400	1	684.000	**6217745**
LBI 90 115 VS FT	500	1	767.000	**6217753**
LBI 90 116 VS FT	600	1	886.000	**6217761**

St Steel

FS Strip-galvanised FT Hot-dip galvanised

Connectors should be ordered separately and in the appropriate quantity.

90° bend, horizontal, for all cable ladder types of 110 mm side height.

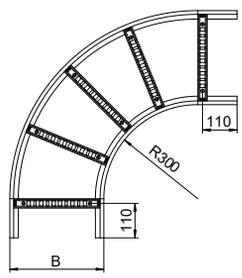
Always indicate the item number when ordering.

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90° bend

Type	Dimension B mm	Rail thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LB 90 1120 R3 FS	200	1.5	1	355.300	**6225122**
LB 90 1130 R3 FS	300	1.5	1	428.300	**6225124**
LB 90 1140 R3 FS	400	1.5	1	488.000	**6225126**
LB 90 1150 R3 FS	500	1.5	1	580.400	**6225128**
LB 90 1160 R3 FS	600	1.5	1	646.500	**6225130**
LB 90 1120 R3 FT	200	1.5	1	379.700	**6225142**
LB 90 1130 R3 FT	300	1.5	1	457.900	**6225144**
LB 90 1140 R3 FT	400	1.5	1	521.400	**6225146**
LB 90 1145 R3 FT	450	1.5	1	555.800	**6225148**
LB 90 1150 R3 FT	500	1.5	1	619.600	**6225150**
LB 90 1160 R3 FT	600	1.5	1	688.700	**6225152**





St Steel

FS Strip-galvanised FT Hot-dip galvanised

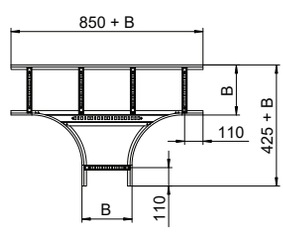
Connectors should be ordered separately and in the appropriate quantity.

90° bend, horizontal, with welded rung for all cable ladder types of 110 mm side height.

T piece

Type	Dimension B mm	Rail thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LT 1120 R3 FS	200	1.5	1	611.800	**6225290**
LT 1130 R3 FS	300	1.5	1	680.000	**6225292**
LT 1140 R3 FS	400	1.5	1	774.500	**6225294**
LT 1150 R3 FS	500	1.5	1	849.300	**6225296**
LT 1160 R3 FS	600	1.5	1	924.000	**6225298**
LT 1120 R3 FT	200	1.5	1	651.500	**6225310**
LT 1130 R3 FT	300	1.5	1	781.100	**6225312**
LT 1140 R3 FT	400	1.5	1	882.600	**6225314**
LT 1145 R3 FT	450	1.5	1	926.800	**6225316**
LT 1150 R3 FT	500	1.5	1	963.100	**6225318**
LT 1160 R3 FT	600	1.5	1	982.900	**6225320**





St Steel

FS Strip-galvanised FT Hot-dip galvanised

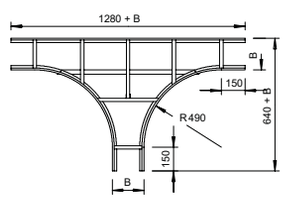
Connectors should be ordered separately and in the appropriate quantity.

Tee, horizontal, with welded rung for all cable ladder types of 110 mm side height.

T piece VS

Type	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LT 112 VS FS	200	1	893.000	**6219225**
LT 113 VS FS	300	1	1,068.000	**6219233**
LT 114 VS FS	400	1	1,159.000	**6219241**
LT 115 VS FS	500	1	1,255.000	**6219268**
LT 116 VS FS	600	1	1,409.000	**6219276**
LT 112 VS FT	200	1	940.000	**6219322**
LT 113 VS FT	300	1	1,132.000	**6219330**
LT 114 VS FT	400	1	1,228.000	**6219349**
LT 115 VS FT	500	1	1,330.000	**6219357**
LT 116 VS FT	600	1	1,493.000	**6219365**





St Steel

FS Strip-galvanised FT Hot-dip galvanised

Connectors should be ordered separately and in the appropriate quantity.

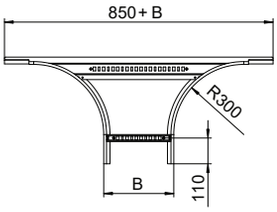
Horizontal tee, for all cable ladders with a side height of 110 mm.

Always indicate the item number when ordering.

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Mounting/branch piece





Type	Dimension B mm	Rail thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LAA 1120 R3 FS	200	1.5	1	389.000	**6225910**
LAA 1130 R3 FS	300	1.5	1	411.000	**6225912**
LAA 1140 R3 FS	400	1.5	1	434.000	**6225914**
LAA 1150 R3 FS	500	1.5	1	457.000	**6225916**
LAA 1160 R3 FS	600	1.5	1	480.000	**6225918**
LAA 1120 R3 FT	200	1.5	1	401.000	**6225930**
LAA 1130 R3 FT	300	1.5	1	426.000	**6225932**
LAA 1140 R3 FT	400	1.5	1	449.000	**6225934**
LAA 1145 R3 FT	450	1.5	1	461.000	**6225936**
LAA 1150 R3 FT	500	1.5	1	472.000	**6225938**
LAA 1160 R3 FT	600	1.5	1	497.000	**6225940**

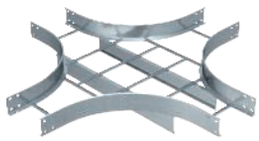
St Steel

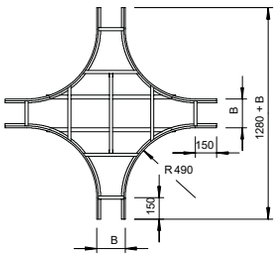
FS Strip-galvanised FT Hot-dip galvanised

Connectors should be ordered separately and in the appropriate quantity.

Mounting/branch piece with welded rung for all cable ladder types of 110 mm side height.

Cross-over VS





Type	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LK 112 VS FS	200	1	1,221.000	**6219527**
LK 113 VS FS	300	1	1,451.000	**6219535**
LK 114 VS FS	400	1	1,465.000	**6219543**
LK 115 VS FS	500	1	1,667.000	**6219551**
LK 116 VS FS	600	1	1,853.000	**6219578**
LK 112 VS FT	200	1	1,286.000	**6219624**
LK 113 VS FT	300	1	1,537.000	**6219632**
LK 114 VS FT	400	1	1,543.000	**6219640**
LK 115 VS FT	500	1	1,766.000	**6219659**
LK 116 VS FT	600	1	1,963.000	**6219667**

St Steel

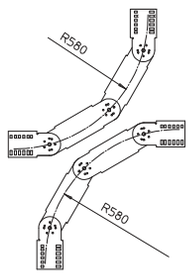
FS Strip-galvanised FT Hot-dip galvanised

Connectors should be ordered separately and in the appropriate quantity.

Horizontal cross-over for all cable ladders with a side height of 110 mm.

90° adjustable vertical bend





Type	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LGBV 112 VS FS	200	1	402.000	**6218822**
LGBV 113 VS FS	300	1	431.000	**6218830**
LGBV 114 VS FS	400	1	460.000	**6218849**
LGBV 115 VS FS	500	1	489.000	**6218857**
LGBV 116 VS FS	600	1	519.000	**6218865**
LGBV 112 VS FT	200	1	426.000	**6218938**
LGBV 113 VS FT	300	1	457.000	**6218946**
LGBV 114 VS FT	400	1	488.000	**6218954**
LGBV 115 VS FT	500	1	519.000	**6218962**
LGBV 116 VS FT	600	1	540.000	**6218970**

St Steel

FS Strip-galvanised FT Hot-dip galvanised

The fitting is shipped in an unmounted state including adjustable connectors and the appropriate bolts.

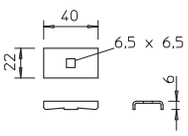
90° adjustable vertical bend, for all cable ladder types with a side height of 110 mm.

Always indicate the item number when ordering.

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Clamping piece

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
LKS 40 FS	10	2.300	**6221076**
LKS 40 FT	10	2.400	**6221084**





St Steel

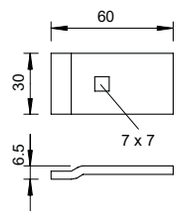
FS Strip-galvanised FT Hot-dip galvanised

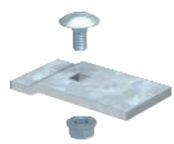
Fastening on brackets, type MWA 12, AW 15, AW 30 and AW 55, using the enclosed truss-head bolt FRS M6 x 20.

Hold-down clamp for fastening cable ladders.

Clamping piece

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
LKS 60 4 FT	10	6.500	**6221122**





St Steel

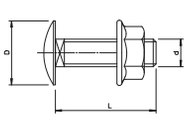
FT Hot-dip galvanised

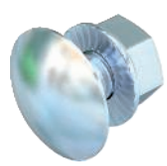
Fastening on brackets, type MWA 12, AW 15, AW 30 and AW 55, using the enclosed truss-head bolt FRS M6x20.

Hold-down clamp for fastening cable ladders.

Truss-head bolt with flange nut

Type	Dimension mm	Dimension L mm	Dimension d mm	Dimension D mm	Resistance class	Pack. pcs	Weight kg/100 pcs.	Item No.
FRSB 6x30 F	M 6 x 30	30	6	13.5	5.6	100	1.200	**6406907**





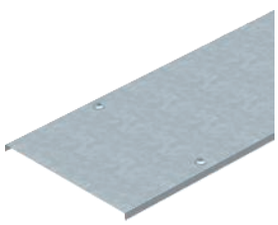
St Steel

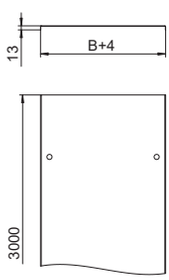
F Hot-dip galvanised

Truss-head bolt with square neck including flange nut.

Cover with turn buckle

Type	Dimension B mm	Plate thickness mm	Length mm	Pack. m	Weight kg/100 m	Item No.
DRL 200 FS	200	1.00	3000	3	181.340	**6052207**
DRL 300 FS	300	1.00	3000	3	259.334	**6052304**
DRL 400 FS	400	1.00	3000	3	338.670	**6052401**
DRL 500 FS	500	1.25	3000	3	623.000	**6052509**
DRL 600 FS	600	1.25	3000	3	741.000	**6052606**
DRL 200 DD	200	1.00	3000	3	185.000	**6052709**
DRL 300 DD	300	1.00	3000	3	263.340	**6052712**
DRL 400 DD	400	1.00	3000	3	342.070	**6052715**
DRL 500 DD	500	1.25	3000	3	626.670	**6052718**
DRL 600 DD	600	1.25	3000	3	744.570	**6052724**





St Steel

FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

Transverse bead from 500 mm width.

Cover for cable trays and cable ladders with turn buckles.

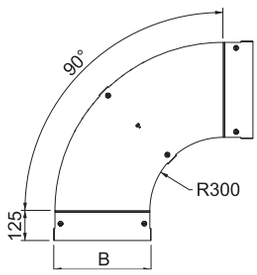
When using covers outdoors, additional measures against the influence of wind must be taken.

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Always indicate the item number when ordering.

Cover for 90° bend





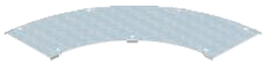
Type	Dimension B mm	Plate thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LBD 90 200 R3 FS	200	1.00	1	145.000	**6225990**
LBD 90 300 R3 FS	300	1.00	1	232.000	**6225992**
LBD 90 400 R3 FS	400	1.00	1	331.000	**6225994**
LBD 90 500 R3 FS	500	1.25	1	550.000	**6225996**
LBD 90 600 R3 FS	600	1.25	1	705.000	**6225998**
LBD 90 200 R3 FT	200	1.00	1	158.000	**6226010**
LBD 90 300 R3 FT	300	1.00	1	251.000	**6226012**
LBD 90 400 R3 FT	400	1.00	1	359.000	**6226014**
LBD 90 500 R3 FT	500	1.25	1	589.000	**6226018**
LBD 90 600 R3 FT	600	1.25	1	755.000	**6226020**

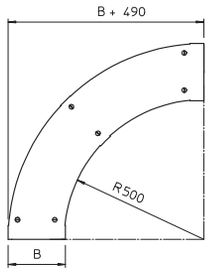
St Steel

FS Strip-galvanised FT Hot-dip galvanised

Cover with turn buckles for covering 90° cable ladder bends with welded rungs.

Cover for 90° bend





Type	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
BID 90 200 FT	200	1	184.400	**6239153**
BID 90 300 FT	300	1	400.000	**6239161**
BID 90 400 FT	400	1	570.000	**6239188**
BID 90 500 FT	500	1	766.200	**6239196**
BID 90 600 FT	600	1	986.200	**6239218**

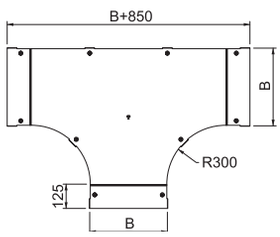
St Steel

FT Hot-dip galvanised

Cover with turn buckles for covering 90° cable ladder bends.

Cover for tee





Type	Dimension B mm	Plate thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LTD 200 R3 FS	200	1.00	1	274.000	**6226100**
LTD 300 R3 FS	300	1.00	1	413.000	**6226102**
LTD 400 R3 FS	400	1.00	1	567.000	**6226104**
LTD 500 R3 FS	500	1.25	1	737.000	**6226106**
LTD 600 R3 FS	600	1.25	1	922.000	**6226108**
LTD 200 R3 FT	200	1.00	1	298.000	**6226120**
LTD 300 R3 FT	300	1.00	1	450.000	**6226122**
LTD 400 R3 FT	400	1.00	1	617.000	**6226124**
LTD 500 R3 FT	500	1.25	1	775.000	**6226128**
LTD 600 R3 FT	600	1.25	1	989.000	**6226130**

St Steel

FS Strip-galvanised FT Hot-dip galvanised

Cover with turn buckles for covering T pieces with welded rungs.

Always indicate the item number when ordering.

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Cover for tee

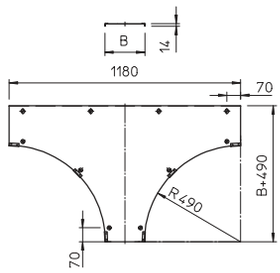
Type	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T D 200 FT	200	1	503.400	**6239773**
T D 300 FT	300	1	719.000	**6239781**
T D 400 FT	400	1	944.700	**6239803**
T D 500 FT	500	1	1,191.000	**6239811**
T D 600 FT	600	1	1,530.600	**6239838**



St Steel

FT Hot-dip galvanised

Cover with turn buckles for covering tees.



Cover for add-on tee

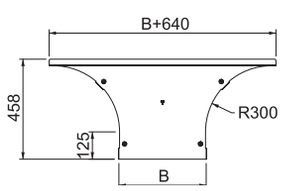
Type	Dimension B mm	Plate thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LAAD 200 R3 FS	200	1.00	1	171.000	**6226310**
LAAD 300 R3 FS	300	1.00	1	208.000	**6226312**
LAAD 400 R3 FS	400	1.00	1	303.000	**6226314**
LAAD 500 R3 FS	500	1.25	1	351.000	**6226316**
LAAD 600 R3 FS	600	1.25	1	397.000	**6226318**
LAAD 200 R3 FT	200	1.00	1	180.000	**6226330**
LAAD 300 R3 FT	300	1.00	1	219.000	**6226332**
LAAD 400 R3 FT	400	1.00	1	316.000	**6226334**
LAAD 500 R3 FT	500	1.25	1	365.000	**6226338**
LAAD 600 R3 FT	600	1.25	1	414.000	**6226340**



St Steel

FS Strip-galvanised FT Hot-dip galvanised

Cover with turn buckles for covering add-on tee with welded rungs.



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Always indicate the item number when ordering.

Vertical ladder systems

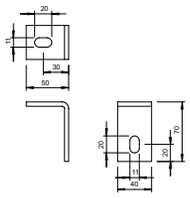


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Always indicate the item number when ordering.

Mounting angle BW 70

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
BW 70 40 FT	10	22.000	**6019706**





St Steel

FT Hot-dip galvanised

Including truss-head bolt M10 x 25.
Mounting angle of limb dimension 70 x 50 mm.

U clamp

Clamp clip, single, plastic pressure trough

Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2056N 12 FT	8 - 12	100	2.500	**1163124**
2056N 16 FT	12 - 16	100	2.750	**1163167**
2056N 22 FT	16 - 22	100	3.100	**1163221**
2056N 28 FT	22 - 28	100	4.600	**1163280**
2056N 34 FT	28 - 34	100	5.900	**1163345**
2056N 40 FT	34 - 40	100	5.970	**1163396**
2056N 46 FT	40 - 46	100	6.640	**1163469**
2056N 52 FT	46 - 52	100	7.270	**1163523**
2056N 58 FT	52 - 58	50	10.560	**1163582**
2056N 64 FT	58 - 64	50	11.200	**1163647**
2056N 70 FT	64 - 70	50	12.330	**1163701**



St Steel

FT Hot-dip galvanised

Suitable for all C profile rails with slot width 11–12 mm; at least 6.5 mm clear internal height and at least 18.5 mm clear internal width.
Clip and bolt made of hot-dip galvanised steel.
Polypropylene pressure trough, halogen-free, colour light grey RAL 7035.

Clamp clip, single, plastic pressure trough

Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2056 12 FT	8 - 12	100	3.540	**1160125**
2056 16 FT	12 - 16	100	3.820	**1160168**
2056 22 FT	16 - 22	100	4.508	**1160222**
2056 28 FT	22 - 28	100	6.240	**1160281**
2056 34 FT	28 - 34	100	7.680	**1160346**
2056 40 FT	34 - 40	100	8.260	**1160400**
2056 46 FT	40 - 46	100	10.900	**1160451**
2056 52 FT	46 - 52	100	11.900	**1160524**
2056 58 FT	52 - 58	100	14.300	**1160583**
2056 64 FT	58 - 64	100	15.600	**1160648**
2056 70 FT	64 - 70	50	18.200	**1160702**
2056 76 FT	70 - 76	25	20.600	**1160761**
2056 82 FT	76 - 82	25	22.000	**1160826**
2056 90 FT	82 - 90	25	26.200	**1160907**
2056 100 FT	90 - 100	25	27.800	**1160990**



St Steel

FT Hot-dip galvanised

Suitable for all C profile rails with slot width 16–17 mm.
Hot-dip galvanised steel clip and bolt, polypropylene pressure trough, halogen-free, colour light grey RAL 7035.

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Always indicate the item number when ordering.

Clamp clip, single, metal pressure trough



Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2056 M 12 FT	8 - 12	100	3.200	**1156004**
2056 M 16 FT	12 - 16	100	3.500	**1156012**
2056 M 22 FT	16 - 22	100	4.400	**1156020**
2056 M 28 FT	22 - 28	100	6.100	**1156039**
2056 M 34 FT	28 - 34	100	7.700	**1156047**
2056 M 40 FT	34 - 40	100	8.600	**1156055**
2056 M 46 FT	40 - 46	100	9.600	**1156063**
2056 M 52 FT	46 - 52	100	10.400	**1156071**
2056 M 58 FT	52 - 58	100	13.100	**1156098**
2056 M 64 FT	58 - 64	100	14.500	**1156101**
2056 M 70 FT	64 - 70	50	16.100	**1156128**
2056 M 76 FT	70 - 76	25	18.300	**1156136**
2056 M 82 FT	76 - 82	25	19.100	**1156144**
2056 M 90 FT	82 - 90	25	23.300	**1156152**
2056 M 100 FT	90 - 100	25	24.500	**1156160**

St Steel

FT Hot-dip galvanised

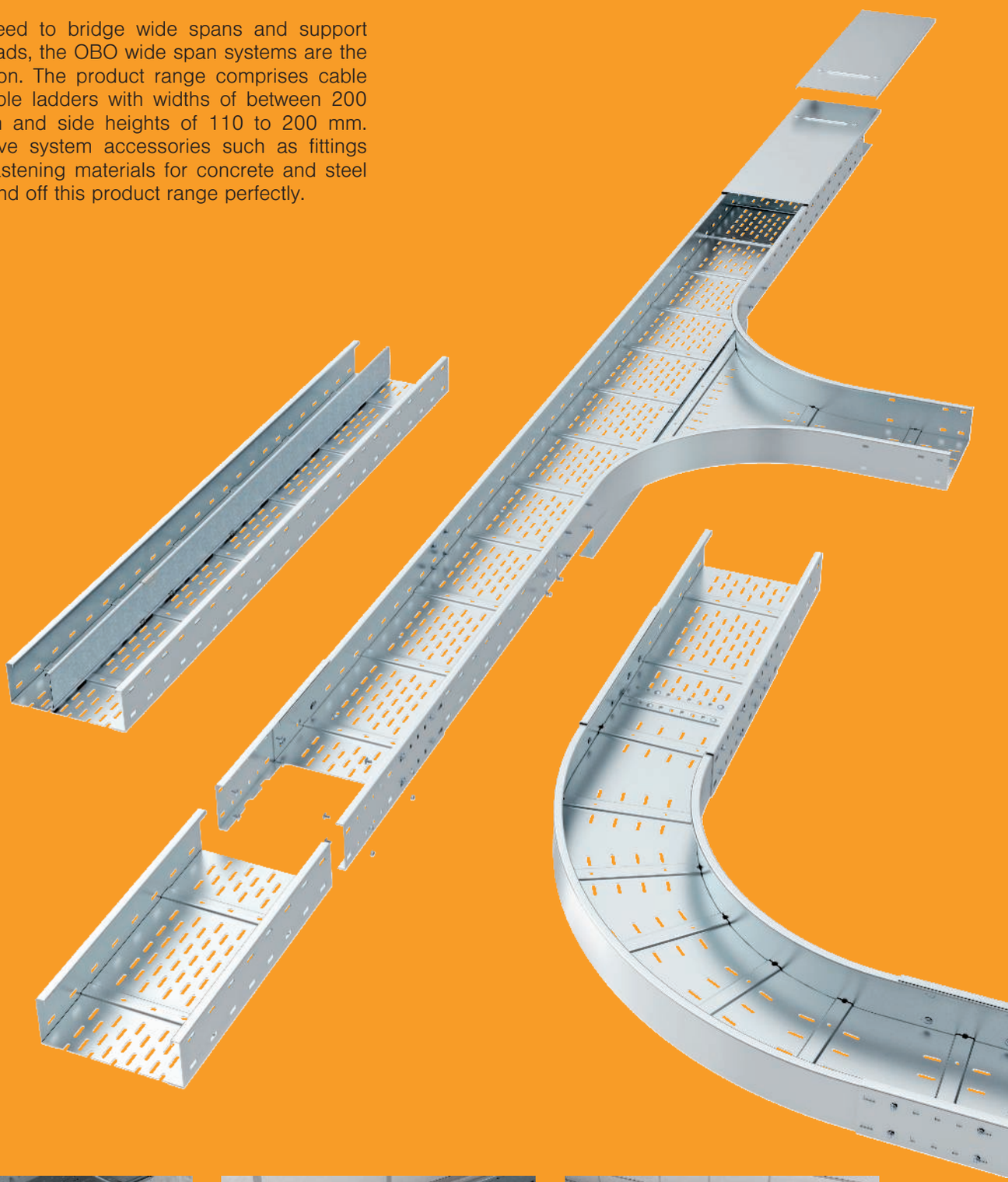
Suitable for all C profile rails with slot width 16–17 mm.
Clip, bolt and pressure trough made of hot-dip galvanised steel.

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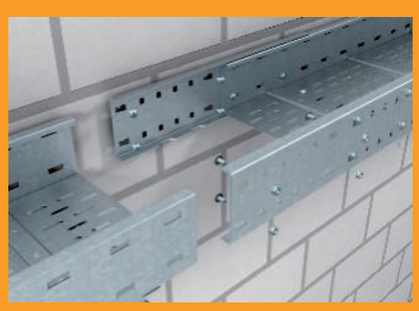
Always indicate the item number when ordering.

Wide span cable tray systems

When you need to bridge wide spans and support high cable loads, the OBO wide span systems are the perfect solution. The product range comprises cable trays and cable ladders with widths of between 200 and 600 mm and side heights of 110 to 200 mm. Comprehensive system accessories such as fittings and all the fastening materials for concrete and steel mounting round off this product range perfectly.



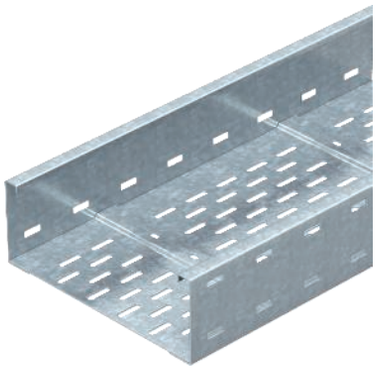






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Wide span cable tray WKSG 110



Type	Dimension B mm	Plate thickness mm	Pack. m	Weight kg/100 m	Item No.
WKSG 120 FS	200	2.00	6	712.610	**6098111**
WKSG 130 FS	300	2.00	6	817.250	**6098115**
WKSG 140 FS	400	2.00	6	921.900	**6098119**
WKSG 150 FS	500	2.00	6	1,023.340	**6098123**
WKSG 160 FS	600	2.00	6	1,131.170	**6098127**
WKSG 120 FT	200	2.00	6	751.570	**6098141**
WKSG 130 FT	300	2.00	6	863.150	**6098145**
WKSG 140 FT	400	2.00	6	974.740	**6098149**
WKSG 150 FT	500	2.00	6	1,086.320	**6098153**
WKSG 160 FT	600	2.00	6	1,197.890	**6098157**

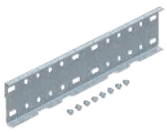
St Steel

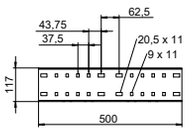
FS Strip-galvanised FT Hot-dip galvanised

Straight connectors of type WRVL 110 should be ordered separately and in the appropriate quantity.

Wide span cable tray system, perforated, with a side height of 110 mm.

Straight connector





Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WRVL 110 FS	110	2	152.400	**6091164**
WRVL 110 FT	110	2	157.800	**6091180**

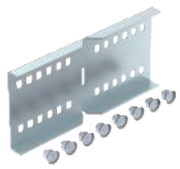
St Steel

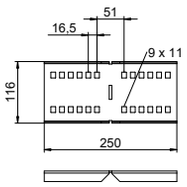
FS Strip-galvanised FT Hot-dip galvanised

Including appropriate bolts, washers and nuts.

Straight connector for straight connections of cable trays, wide span cable trays and ladders with a side height of 110 mm.

Straight and angle connector





Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WRWVK 110 FS	110	2	78.500	**6091377**

St Steel

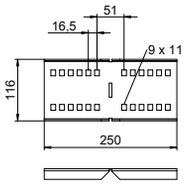
FS Strip-galvanised

Including appropriate bolts, washers and nuts.

Angle connector for wide span cable trays and ladders with a side height of 110 mm.

Straight and angle connector





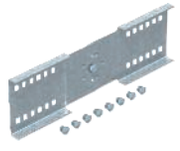
Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WRWVK 110 A2	110	2	82.000	**6091393**

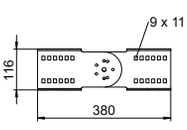
A2 Stainless steel, rustproof

Including appropriate bolts, washers and nuts.

Angle connector for wide span cable trays and ladders with a side height of 110 mm.

Adjustable connector





Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WRGV 110 FS	110	2	119.000	**6091318**
WRGV 110 FT	110	2	119.000	**6091334**

St Steel

FS Strip-galvanised FT Hot-dip galvanised

Including appropriate bolts, washers and nuts.

Adjustable connector for wide span cable trays and ladders with a side height of 110 mm.

Always indicate the item number when ordering.

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Wide span cable tray WKSG 160

Type	Dimension B mm	Plate thickness mm	Pack. m	Weight kg/100 m	Item No.
WKSG 162 FS	200	2.00	6	895.067	**6098501**
WKSG 163 FS	300	2.00	6	1,003.170	**6098505**
WKSG 164 FS	400	2.00	6	1,108.340	**6098509**
WKSG 165 FS	500	2.00	6	1,216.420	**6098513**
WKSG 166 FS	600	2.00	6	1,216.420	**6098517**
WKSG 162 FT	200	2.00	6	943.090	**6098550**
WKSG 163 FT	300	2.00	6	1,058.370	**6098554**
WKSG 164 FT	400	2.00	6	1,170.520	**6098558**
WKSG 165 FT	500	2.00	6	1,285.770	**6098562**
WKSG 166 FT	600	2.00	6	1,401.040	**6098566**



St Steel

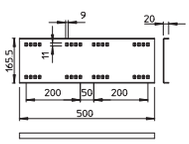
FS Strip-galvanised FT Hot-dip galvanised

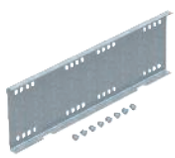
Straight connectors of type WRV 160 should be ordered separately and in the appropriate quantity.

Wide span cable tray system, perforated, with a side height of 160 mm.

Straight connector

Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WRVL 160 FS	160	2	218.000	**6227708**
WRVL 160 FT	160	2	218.000	**6227716**





St Steel

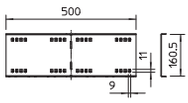
FS Strip-galvanised FT Hot-dip galvanised

Including appropriate bolts, washers and nuts.

Straight connector for the connection of wide span cable trays and ladders of types WKSG and WKLG with a side height of 160 mm.

Straight and angle connector

Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WRWVK 160 FS	160	2	186.000	**6227832**





St Steel

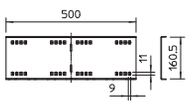
FS Strip-galvanised

Including appropriate bolts, washers and nuts.

Angle connector for wide span cable trays and ladders with a side height of 160 mm.

Straight and angle connector

Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WRWVK 160 A2	160	2	186.000	**6227836**





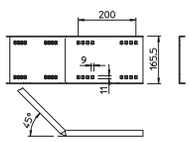
A2 Stainless steel, rustproof

Including appropriate bolts, washers and nuts.

Angle connector for wide span cable trays and ladders with a side height of 160 mm.

45° angle connector, horizontal, inner strut

Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WRWV 160 I FS	160	1	234.000	**6227902**
WRWV 160 I FT	160	1	234.000	**6227910**





St Steel

FS Strip-galvanised FT Hot-dip galvanised

Including appropriate bolts, washers and nuts.

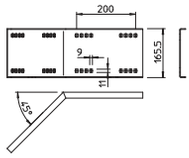
45° angle connector, horizontal, for wide span cable trays and ladders with a side height of 160 mm.

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Always indicate the item number when ordering.

45° angle connector, horizontal, outer strut





Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WRWV 160 A FS	160	1	234.000	**6227856**
WRWV 160 A FT	160	1	234.000	**6227864**

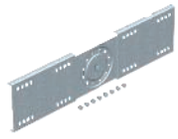
St Steel

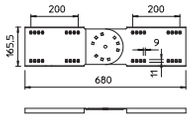
FS Strip-galvanised FT Hot-dip galvanised

Including appropriate bolts, washers and nuts.

45° angle connector, horizontal, for wide span cable trays and ladders with a side height of 160 mm.

Adjustable connector





Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WRGV 160 FS	160	2	306.100	**6227953**
WRGV 160 FT	160	2	316.700	**6227961**

St Steel

FS Strip-galvanised FT Hot-dip galvanised

Including appropriate bolts, washers and nuts.

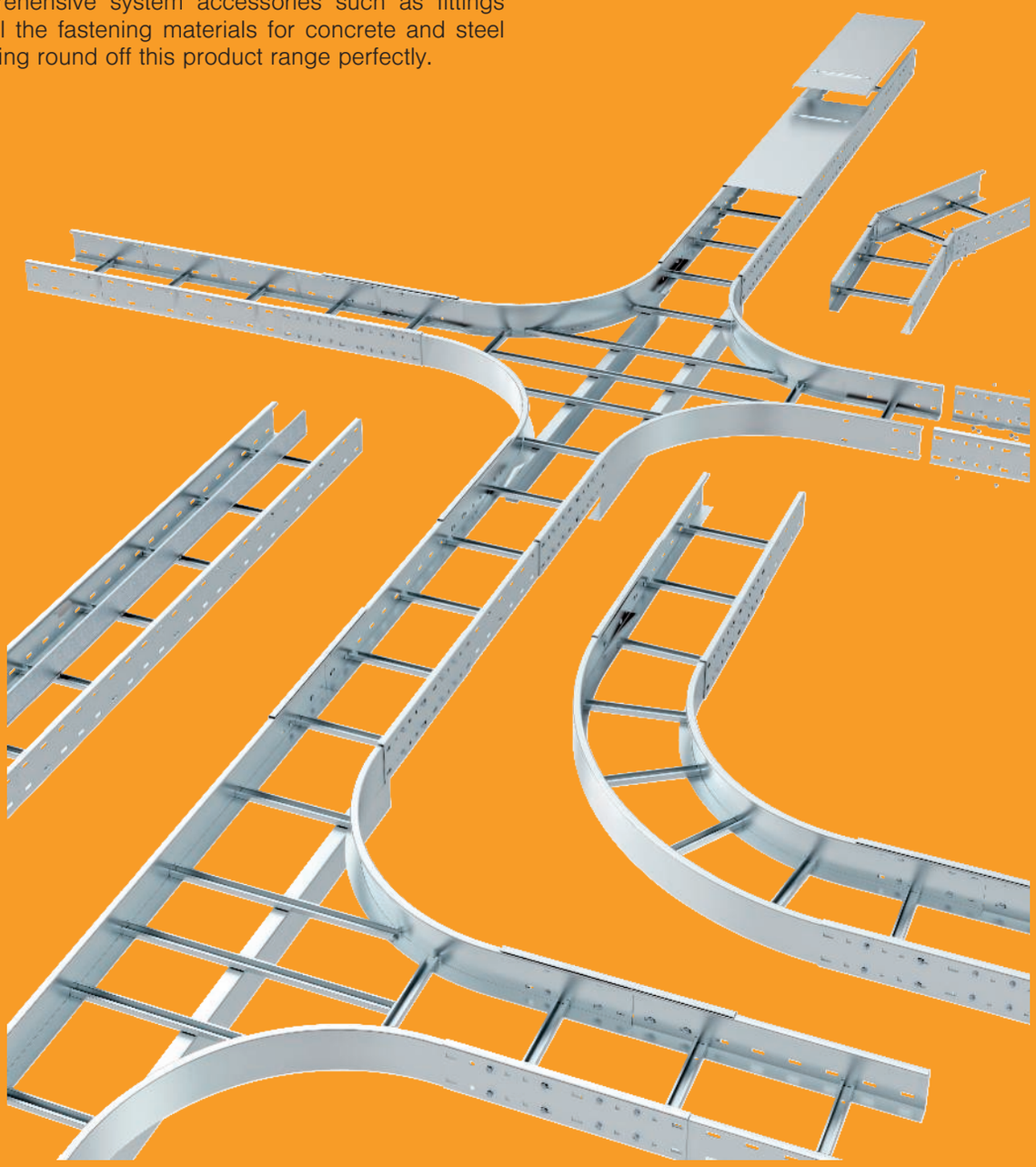
Adjustable connector for wide span cable trays and ladders with a side height of 160 mm.

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Always indicate the item number when ordering.

Wide span cable ladder systems

When you need to bridge wide spans and support high cable loads, the OBO wide span systems are the perfect solution. The product range comprises cable trays and cable ladders with widths of between 200 and 600 mm and side heights of 110 to 200 mm. Comprehensive system accessories such as fittings and all the fastening materials for concrete and steel mounting round off this product range perfectly.



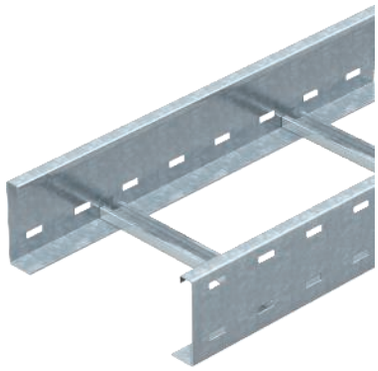






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Wide span cable ladder WKLG 110



Type	Dimension B mm	Rail thickness mm	Pack. m	Weight kg/100 m	Item No.
WKLG 1120 FS	200	2	6	565.000	**6311008**
WKLG 1130 FS	300	2	6	591.000	**6311012**
WKLG 1140 FS	400	2	6	617.300	**6311016**
WKLG 1150 FS	500	2	6	644.300	**6311020**
WKLG 1160 FS	600	2	6	671.300	**6311024**
WKLG 1120 FT	200	2	6	591.000	**6311059**
WKLG 1130 FT	300	2	6	618.500	**6311063**
WKLG 1140 FT	400	2	6	646.700	**6311067**
WKLG 1150 FT	500	2	6	675.000	**6311071**
WKLG 1160 FT	600	2	6	703.700	**6311075**

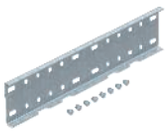
St Steel

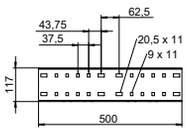
FS Strip-galvanised FT Hot-dip galvanised

Straight connectors of type WRVL 110 should be ordered separately and in the appropriate quantity.

Wide span cable ladder with perforated side rails of side height of 110 mm.

Straight connector





Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WRVL 110 FS	110	2	152.400	**6091164**
WRVL 110 FT	110	2	157.800	**6091180**

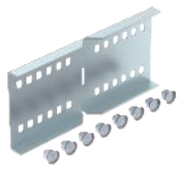
St Steel

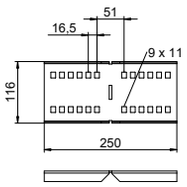
FS Strip-galvanised FT Hot-dip galvanised

Including appropriate bolts, washers and nuts.

Straight connector for straight connections of cable trays, wide span cable trays and ladders with a side height of 110 mm.

Straight and angle connector





Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WRWVK 110 FS	110	2	78.500	**6091377**

St Steel

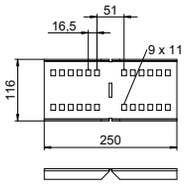
FS Strip-galvanised

Including appropriate bolts, washers and nuts.

Angle connector for wide span cable trays and ladders with a side height of 110 mm.

Straight and angle connector





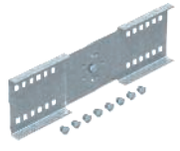
Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WRWVK 110 A2	110	2	82.000	**6091393**

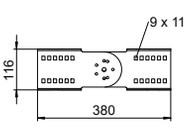
A2 Stainless steel, rustproof

Including appropriate bolts, washers and nuts.

Angle connector for wide span cable trays and ladders with a side height of 110 mm.

Adjustable connector





Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WRGV 110 FS	110	2	119.000	**6091318**
WRGV 110 FT	110	2	119.000	**6091334**

St Steel

FS Strip-galvanised FT Hot-dip galvanised

Including appropriate bolts, washers and nuts.

Adjustable connector for wide span cable trays and ladders with a side height of 110 mm.

Always indicate the item number when ordering.

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90° bend

Type	Dimension B mm	Rail thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WLB 90 112 FS	200	2	1	881.800	**6312330**
WLB 90 113 FS	300	2	1	971.000	**6312349**
WLB 90 114 FS	400	2	1	1,052.100	**6312357**
WLB 90 115 FS	500	2	1	1,176.000	**6312365**
WLB 90 116 FS	600	2	1	1,330.000	**6312373**
WLB 90 112 FT	200	2	1	926.800	**6312438**
WLB 90 113 FT	300	2	1	1,016.000	**6312446**
WLB 90 114 FT	400	2	1	1,107.300	**6312454**
WLB 90 115 FT	500	2	1	1,233.000	**6312462**
WLB 90 116 FT	600	2	1	1,370.000	**6312470**

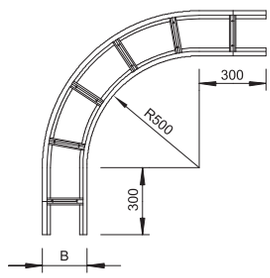
St Steel

FS Strip-galvanised FT Hot-dip galvanised

For further stabilisation, additional supports should be planned for the area of the fittings.

90° bend, horizontal, for all wide span cable ladders of 110 mm side height.





T branch piece

Type	Dimension B mm	Rail thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WLT 1120 FS	200	2	1	1,760.000	**6312632**
WLT 1130 FS	300	2	1	1,927.000	**6312640**
WLT 1140 FS	400	2	1	2,050.000	**6312659**
WLT 1150 FS	500	2	1	2,172.000	**6312667**
WLT 1160 FS	600	2	1	2,340.000	**6312675**
WLT 1120 FT	200	2	1	1,842.000	**6312713**
WLT 1130 FT	300	2	1	2,017.000	**6312721**
WLT 1140 FT	400	2	1	2,147.000	**6312748**
WLT 1150 FT	500	2	1	2,275.000	**6312756**
WLT 1160 FT	600	2	1	2,404.000	**6312764**

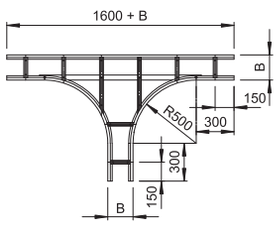
St Steel

FS Strip-galvanised FT Hot-dip galvanised

For further stabilisation, additional supports should be planned for the area of the fittings.

Horizontal tee, for all wide span cable ladders of 110 mm side height.





Cross-over

Type	Dimension B mm	Rail thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WLK 1120 FT	200	2	1	2,623.200	**6312934**
WLK 1130 FT	300	2	1	2,850.600	**6312942**
WLK 1140 FT	400	2	1	3,001.130	**6312950**
WLK 1150 FT	500	2	1	3,145.000	**6312969**
WLK 1160 FT	600	2	1	3,291.400	**6312977**

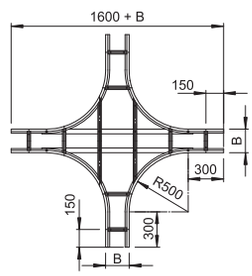
St Steel

FT Hot-dip galvanised

For further stabilisation, additional supports should be planned for the area of the fittings.

Horizontal cross-over for all wide span cable ladders of 110 mm side height.



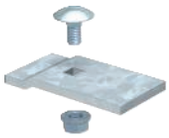


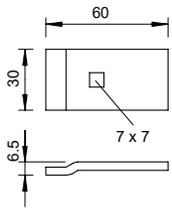
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Always indicate the item number when ordering.

Wide span cable ladder, side height 110 mm

Clamping piece





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
LKS 60 4 FT	10	6.500	**6221122**

St Steel

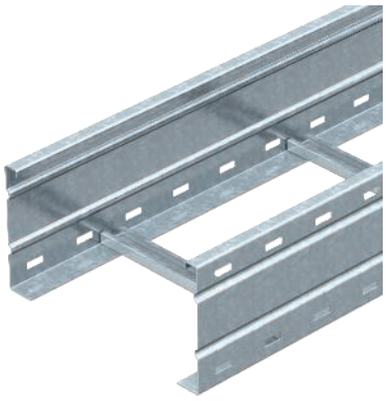
FT Hot-dip galvanised

Fastening on brackets, type MWA 12, AW 15, AW 30 and AW 55, using the enclosed truss-head bolt FRS M6x20.

Hold-down clamp for fastening cable ladders.

Wide span cable ladder, side height 160 mm

Wide span cable ladder WKLG 160



Type	Dimension B mm	Rail thickness mm	Pack. m	Weight kg/100 m	Item No.
WKLG 1620 FS	200	2	6	737.300	**6227023**
WKLG 1630 FS	300	2	6	767.300	**6227031**
WKLG 1640 FS	400	2	6	797.300	**6227058**
WKLG 1650 FS	500	2	6	828.500	**6227066**
WKLG 1660 FS	600	2	6	859.300	**6227074**
WKLG 1620 FT	200	2	6	770.700	**6227120**
WKLG 1630 FT	300	2	6	802.500	**6227139**
WKLG 1640 FT	400	2	6	835.000	**6227147**
WKLG 1650 FT	500	2	6	867.300	**6227155**
WKLG 1660 FT	600	2	6	900.000	**6227163**

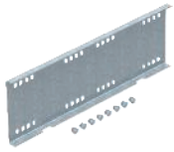
St Steel

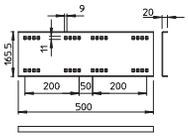
FS Strip-galvanised FT Hot-dip galvanised

Straight connectors of type WRV 160 should be ordered separately and in the appropriate quantity.

Wide span cable ladder with perforated side rail of side height of 160 mm.

Straight connector





Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WRVL 160 FS	160	2	218.000	**6227708**
WRVL 160 FT	160	2	218.000	**6227716**

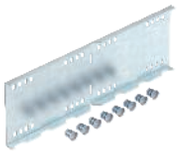
St Steel

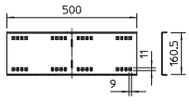
FS Strip-galvanised FT Hot-dip galvanised

Including appropriate bolts, washers and nuts.

Straight connector for the connection of wide span cable trays and ladders of types WKSG and WKLG with a side height of 160 mm.

Straight and angle connector





Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WRWVK 160 FS	160	2	186.000	**6227832**

St Steel

FS Strip-galvanised

Including appropriate bolts, washers and nuts.

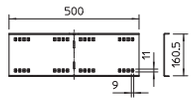
Angle connector for wide span cable trays and ladders with a side height of 160 mm.

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Always indicate the item number when ordering.

Straight and angle connector

Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WRWVK 160 A2	160	2	186.000	**6227836**





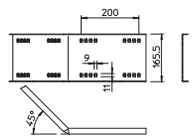
A2 Stainless steel, rustproof

Including appropriate bolts, washers and nuts.

Angle connector for wide span cable trays and ladders with a side height of 160 mm.

45° angle connector, horizontal, inner strut

Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WRWV 160 I FS	160	1	234.000	**6227902**
WRWV 160 I FT	160	1	234.000	**6227910**





St Steel

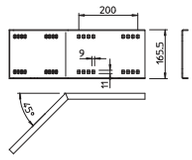
FS Strip-galvanised FT Hot-dip galvanised

Including appropriate bolts, washers and nuts.

45° angle connector, horizontal, for wide span cable trays and ladders with a side height of 160 mm.

45° angle connector, horizontal, outer strut

Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WRWV 160 A FS	160	1	234.000	**6227856**
WRWV 160 A FT	160	1	234.000	**6227864**





St Steel

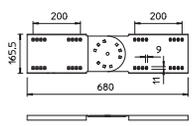
FS Strip-galvanised FT Hot-dip galvanised

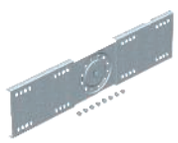
Including appropriate bolts, washers and nuts.

45° angle connector, horizontal, for wide span cable trays and ladders with a side height of 160 mm.

Adjustable connector

Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WRGV 160 FS	160	2	306.100	**6227953**
WRGV 160 FT	160	2	316.700	**6227961**





St Steel

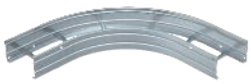
FS Strip-galvanised FT Hot-dip galvanised

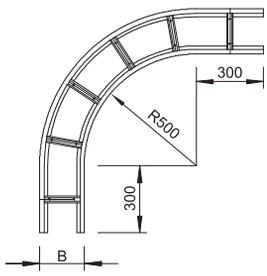
Including appropriate bolts, washers and nuts.

Adjustable connector for wide span cable trays and ladders with a side height of 160 mm.

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90° bend





Type	Dimension B mm	Rail thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WLB 90 162 FS	200	2	1	1,145.000	**6229336**
WLB 90 163 FS	300	2	1	1,250.000	**6229344**
WLB 90 164 FS	400	2	1	1,355.000	**6229352**
WLB 90 165 FS	500	2	1	1,504.000	**6229360**
WLB 90 166 FS	600	2	1	1,618.000	**6229379**
WLB 90 162 FT	200	2	1	1,200.000	**6229425**
WLB 90 163 FT	300	2	1	1,310.000	**6229433**
WLB 90 164 FT	400	2	1	1,420.000	**6229441**
WLB 90 165 FT	500	2	1	1,576.000	**6229468**
WLB 90 166 FT	600	2	1	1,996.000	**6229476**

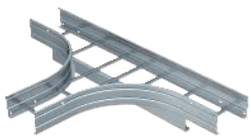
St Steel

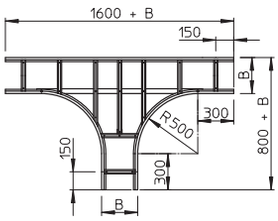
FS Strip-galvanised FT Hot-dip galvanised

For further stabilisation, additional supports should be planned for the area of the fittings.

90° bend, horizontal, for all wide span cable ladders of 160 mm side height.

T branch piece





Type	Dimension B mm	Rail thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WLT 1620 FT	200	2	1	2,345.000	**6229727**
WLT 1630 FT	300	2	1	2,565.000	**6229735**
WLT 1640 FT	400	2	1	2,725.000	**6229743**
WLT 1650 FT	500	2	1	2,885.000	**6229751**
WLT 1660 FT	600	2	1	3,040.000	**6229778**

St Steel

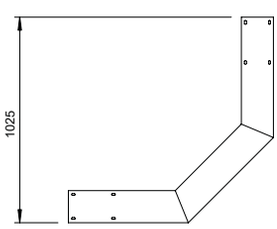
FT Hot-dip galvanised

For further stabilisation, additional supports should be planned for the area of the fittings.

Horizontal tee, for all wide span cable ladders of 160 mm side height.

90° vertical bend, rising





Type	Width mm	Rail thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WLBS 90 162 FT	200	2	1	1,275.000	**6230423**
WLBS 90 163 FT	300	2	1	1,335.000	**6230431**
WLBS 90 164 FT	400	2	1	1,385.000	**6230458**
WLBS 90 165 FT	500	2	1	1,445.000	**6230466**
WLBS 90 166 FT	600	2	1	1,495.000	**6230474**

St Steel

FT Hot-dip galvanised

For further stabilisation, additional supports should be planned for the area of the fittings.

90° vertical bend, for all wide span cable ladders of 160 mm side height.

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90° vertical bend, falling

Type	Width mm	Rail thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WLBF 90 162 FT	200	2	1	1,275.000	**6230725**
WLBF 90 163 FT	300	2	1	1,335.000	**6230733**
WLBF 90 164 FT	400	2	1	1,385.000	**6230741**
WLBF 90 165 FT	500	2	1	1,445.000	**6230768**
WLBF 90 166 FT	600	2	1	1,495.000	**6230776**

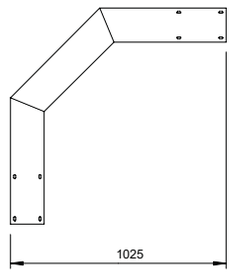
St Steel

FT Hot-dip galvanised

For further stabilisation, additional supports should be planned for the area of the fittings.

90° vertical bend, for all wide span cable ladders of 160 mm side height.





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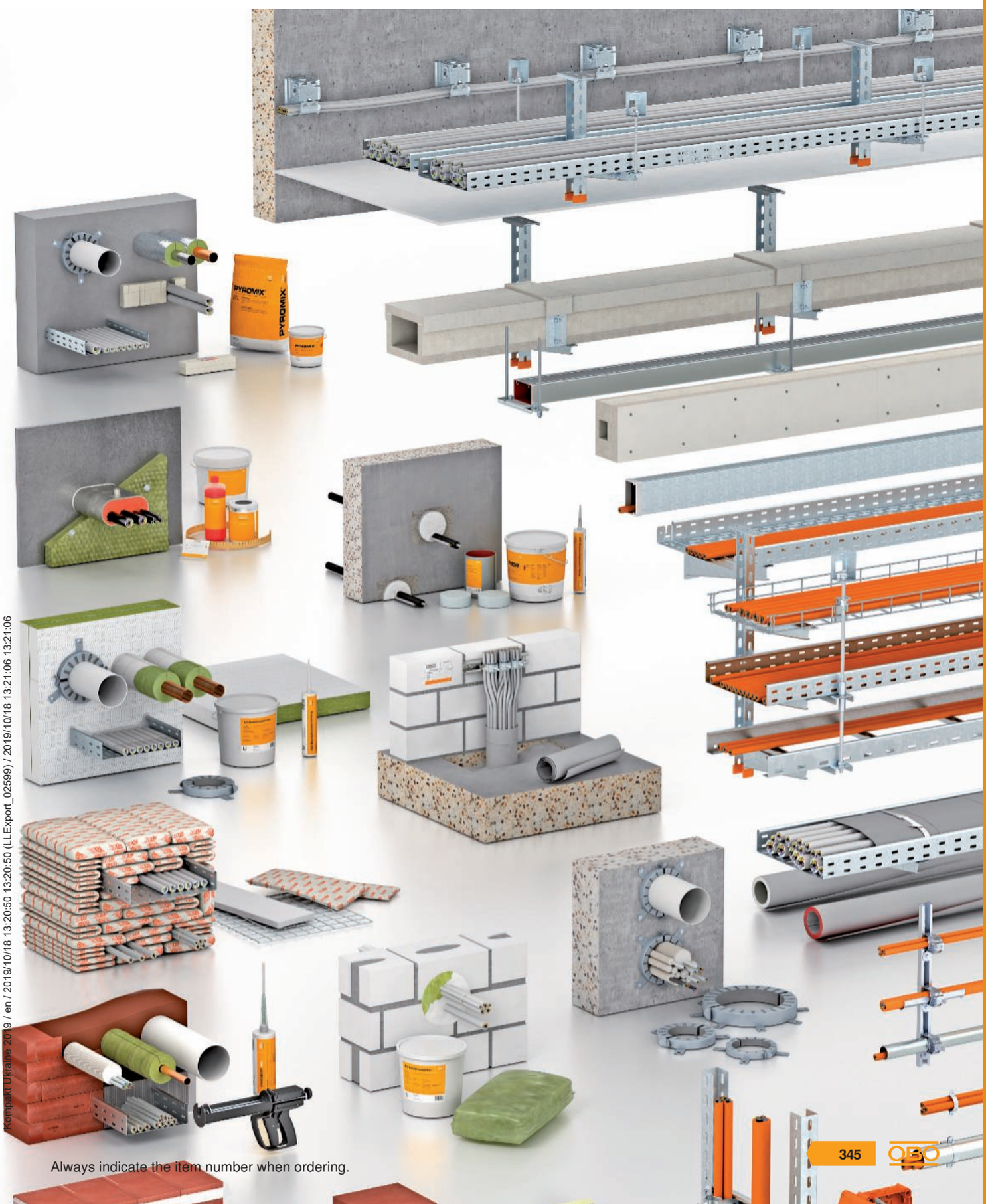
Always indicate the item number when ordering.



Always indicate the item number when ordering.

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Fire protection systems

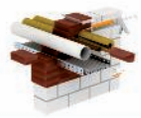


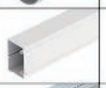
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		PYROMIX® mortar insulation	PYROPLATE® soft insulation	PYROSIT® NG fire protection foam	PYROBAG® cushion insulation	PYROPLUG® Block foam block	PYROPLUG® Peg foam plug
Installation locations	Solid walls 	1000 × 2000 mm 2000 × 1000 mm Ø 1000 mm min. 100 mm 30: 150 mm 60: 150 mm 90: 150 mm	2000 × 1200 mm 1200 × 2000 mm Ø 1200 mm min. 100 mm 30: 100 mm 60: 100 mm 90: 100 mm	450 × 500 mm Ø 300 mm min. 100 mm 30: 144 mm 60: 144 mm 90: 200 mm 120: 250 mm	1000 × 1500 mm min. 100 mm 30: 350 mm 60: 350 mm 90: 350 mm	1000 × 600 mm 600 × 1000 mm min. 100 mm 30: 144 mm 60: 144 mm 90: 200 mm 120: 200 mm	Ø 250 mm min. 100 mm 30: 120 mm 60: 120 mm 90: 150 mm 120: 170 mm
	Solid ceilings 	1000 mm wide lenght ∞ Ø 500 mm min. 150 mm 30: 150 mm 60: 150 mm 90: 150 mm	1250 mm wide lenght ∞ Ø 500 mm min. 150 mm 30: 150 mm 60: 150 mm 90: 150 mm	450 × 450 mm Ø 300 mm min. 150 mm 30: 144 mm 60: 144 mm 90: 200 mm 120: 250 mm	600 mm wide lenght ∞ min. 150 mm 30: 350 mm 60: 350 mm 90: 350 mm	700 mm wide lenght ∞ min. 150 mm 30: 200 mm 60: 200 mm 90: 200 mm 120: 200 mm	Ø 250 mm min. 150 mm 30: 120 mm 60: 120 mm 90: 150 mm 120: 170 mm
	Lightweight partitions 		1200 × 2000 mm 2000 × 1200 mm Ø 500 mm min. 100 mm 30: 100 mm 60: 100 mm 90: 100 mm	450 × 500 mm Ø 300 mm min. 100 mm 30: 144 mm 60: 144 mm 90: 200 mm 120: 250 mm	1000 × 1000 mm min. 100 mm 30: 350 mm 60: 350 mm 90: 350 mm	840 × 570 mm 570 × 840 mm min. 100 mm 30: 144 mm 60: 144 mm 90: 200 mm 120: 200 mm	Ø 250 mm min. 100 mm 30: 120 mm 60: 120 mm 90: 150 mm 120: 170 mm
Installations	Cables 	✓ all Ø	✓ all Ø	✓ Ø 80 mm	✓ all Ø	✓ Ø 80 mm	✓ Ø 80 mm
	Cable bundles 	✓ Ø 100 mm Cable Ø 21 mm	✓ Ø 100 mm Cable Ø 20 mm	✓ Ø 100 mm Cable Ø 21 mm	✓ Ø 150 mm Cable Ø 20 mm	✓ Ø 100 mm Cable Ø 21 mm	✓ Ø 100 mm Cable Ø 21 mm
	Plastic electrical instal. pipes, flexible or rigid 	✓ M63 Cable Ø 22 mm	✗	✓ M40	✗	✓ M40	✓ M16
	Plastic electrical instal. pipes,flexible or rigid bundle 	✗	✗	✓ Ø 80 mm	✗	✓ Ø 80 mm	✗
	Steel pipes 	✓ M63 Cable Ø 22 mm	✗	✓ M16	✗	✓ M16	✓ M16
	Cable support systems 	✓ all	✓ all	✓ all	✓ all	✓ all	✓ all
	Hollow shaft conductors 	✓ RFS „HELIFLEX“ type HCA…-…J	✗	✗	✗	✗	✗
	Metal pipes with section insulation 	✓ steel Ø 159 mm copper Ø 88,9 mm	✓ steel Ø 159 mm copper Ø 88,9 mm	✓ steel Ø 88,9 mm copper Ø 88,9 mm	✗	✓ steel Ø 88,9 mm copper Ø 88,9 mm	✗
	Plastic pipes 	✓ Ø 200 mm	✓ Ø 160 mm	✓ Ø 50 mm	✗	✓ Ø 50 mm	✗
	Plastic ducts 	✗	✗	✗	✓ 210 × 100 mm	✗	✗
	Metal ducts 	✗	✗	✗	✓ 210 × 80 mm	✗	✗
	Screed-covered underfloor ducts 	✗	✗	✓ 350 × 50 mm	✗	✓ 350 × 50 mm	✗
	Open underfloor ducts 	✗	✗	✓ 600 × 160 mm	✗	✓ 600 × 160 mm	✗
	Insulation in lining pipe 	✗	✗	✓ Ø 300 mm	✓ Ø 200 mm	✗	✗

max. dimension — min. component strength — fire resistance class in minutes; depending on insulation thickness

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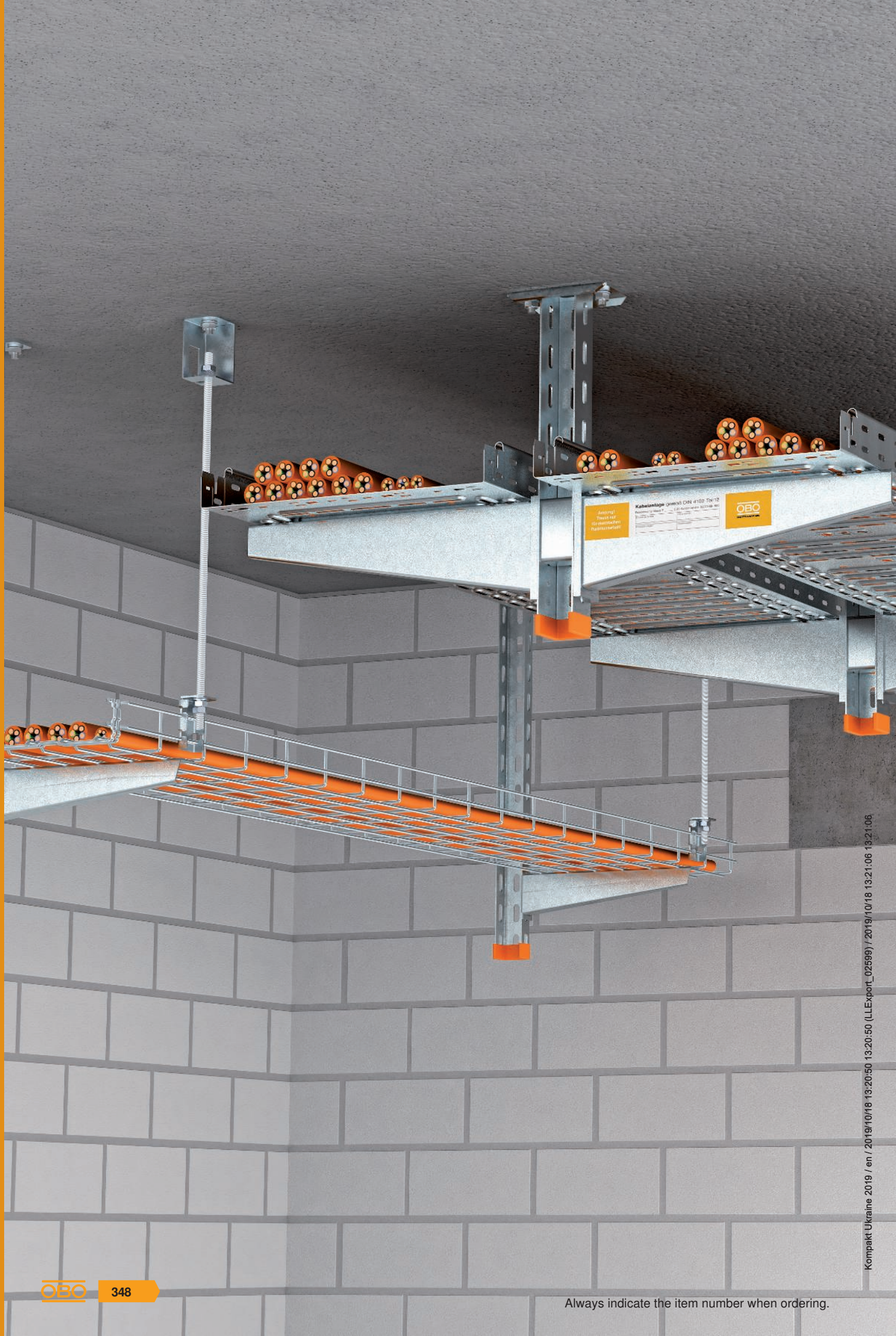



PYROPLUG® Box insulation	PYROPLUG® Shell drill crown insulation	PYROPLUG® Mini small insulation	PYROCOMB® pipe sleeves	PYROCOMB® Tubes electrical insulation	PYROCOMB® Intube pipe shells	PYROMIX® Screed small insulation	PYROLIQ® casting compound
500 × 500 mm groups min. 100 mm 30: 120 mm 60: 120 mm 90: 200 mm	Ø 80 mm min. 100 mm 30: 100 mm 60: 100 mm 90: 100 mm	Ø 80 mm min. 100 mm 30: 100 mm 60: 100 mm 90: 100 mm	Ø 400 mm min. 100 mm 30: 100 mm 60: 100 mm 90: 100 mm 120: 100 mm	Ø 125 mm min. 100 mm 30: 100 mm 60: 100 mm 90: 100 mm 120: 100 mm	1200 × 2000 mm groups min. 100 mm 30: 150 mm 60: 150 mm 90: 150 mm 120: 300 mm	100 × 100 mm Ø 100 mm min. 150 mm 30: 150 mm 60: 150 mm 90: 150 mm	Ship construction and offshore system Approved for all types of maritime cables with fire resistance class A60 to IMO resolution A.754(18) International approval of Germanischer Lloyd (GL) Hamburg (no approval for building construction)
500 × 500 mm groups min. 150 mm 30: 120 mm 60: 120 mm 90: 200 mm	Ø 80 mm min. 150 mm 30: 150 mm 60: 150 mm 90: 150 mm	Ø 80 mm min. 150 mm 30: 150 mm 60: 150 mm 90: 150 mm	Ø 400 mm min. 150 mm 30: 150 mm 60: 150 mm 90: 150 mm 120: 150 mm	Ø 125 mm min. 150 mm 30: 150 mm 60: 150 mm 90: 150 mm 120: 150 mm	640 mm wide lenght ∞ min. 150 mm 30: 150 mm 60: 150 mm 90: 300 mm 120: 300 mm	100 × 100 mm Ø 100 mm min. 150 mm 30: 150 mm 60: 150 mm 90: 150 mm	
500 × 500 mm groups min. 100 mm 30: 120 mm 60: 120 mm 90: 200 mm	Ø 80 mm min. 100 mm 30: 100 mm 60: 100 mm 90: 100 mm	Ø 80 mm min. 100 mm 30: 100 mm 60: 100 mm 90: 100 mm	Ø 160 mm min. 100 mm 30: 100 mm 60: 100 mm 90: 100 mm 120: 100 mm	Ø 125 mm min. 100 mm 30: 100 mm 60: 100 mm 90: 100 mm 120: 100 mm	Ø 120 mm min. 100 mm 30: 150 mm 60: 150 mm 90: 150 mm 120: 300 mm		
✓ all Ø	✓ all Ø	✓ Ø 18 mm	✗	✗	✓ Ø 80 mm	✓ all Ø	✓ all Ø
✓ „Ø 100 mm Cable Ø 21 mm“	✓ Ø 50 mm	✗	✗	✗	✓ Ø 107 mm Cable Ø 21 mm	✗	✗
✓ M20	✗	✗	✗	✓ M63 Cable Ø 21 mm	✓ M32 Cable Ø 21 mm	✗	✗
✗	✗	✗	✗	✓ Ø 125 mm	✓ Ø 107 mm	✗	✗
✗	✗	✗	✗	✗	✗	✗	✗
✗	✗	✗	✗	✗	✗	✗	✗
✗	✗	✗	✗	✗	✗	✗	✗
✗	✗	✗	✗	✗	✗	✗	✓ steel* Ø 200 mm copper* Ø 100 mm
✗	✗	✗	✓ Ø 400 mm	✗	✓ 2 × Ø 20 mm	✗	✓ Ø 200 mm
✗	✗	✗	✗	✗	✗	✗	✗
✗	✗	✗	✗	✗	✗	✗	✗
✗	✗	✗	✗	✗	✗	✗	✗
✗	✗	✗	✗	✗	✗	✗	✗
✗	✗	✗	✗	✗	✗	✗	✗

*without section insulation

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Function maintenance
Cable-specific support constructions

Cable tray systems RKS-Magic®



S30 S60 S90

The RKS-Magic® cable tray has been tested as a cable-specific support construction for the maintenance of electrical functionality according to DIN 4102 Part 12 and approved for the maintenance of electrical functionality classes E 30 to E 90. Threaded rod locking is not required at the tip of the bracket. This saves not just material but also considerably simplifies and speeds up the installation of cables. The screwless connection system allows interconnection of the RKS-Magic® cable trays without tools and in a particularly quick and economic manner. To ensure the maintenance of electrical functionality, only the locking lugs in the base need to bent after the trays have been connected. The double material thickness in the joint area and the beading in the base mean that the cable tray has a very high load capacity. The installation of fittings in the section route is permitted, as is the mounting of separating retainers.



Ceiling mounting on both sides with max. three layers (2+1).



One-sided arrangement with max. two layers.



Wall mounting.



Creation of a straight connector through interconnection of the cable trays.



Bending the locking straps in the base.

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Function maintenance

Junction box, FireBox



S30 S60 S90

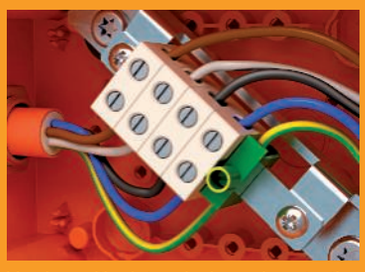
Junction boxes of the FireBox series are available for connecting and branching safety cables. These are equipped with a high-temperature-resistant connection unit with ceramic terminals and offer terminal areas of 0.5 mm² to 16 mm² of copper cross-section. The T series FireBoxes possesses all the benefits of thermoplastic cable junction boxes. These include the high IP protection rating of up to IP66 and the maximum impact resistance of up to IK10 and a high resistance to breakage. Boxes with soft plug-in seals or closed variants are available. Here, the cable glands can be located freely. Fastening either takes place on the outer straps or through the box base with fire protection bolt ties. The high-temperature-resistant terminals are pre-mounted on the connection unit. The protective conductor terminal is connected to the support clamp, meaning that covers of the metal parts are not required. The FireBox is tested and approved as a connection socket for maintenance of electrical functionality to DIN 4102 Part 12 with the classes E30, E60 and E90. A separate fuse holder allows protection of a branch.



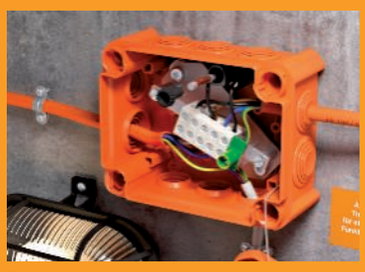
Fully installed FireBox with identification plate.



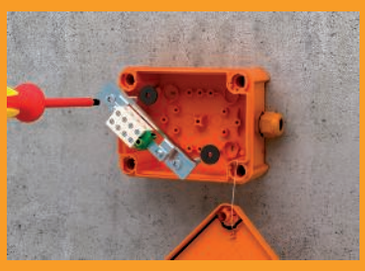
FireBox mounting with mounting plate on cable tray.



Version with 4 terminals and protective conductor terminal for power cables.



Cable entry with plug-in seals.

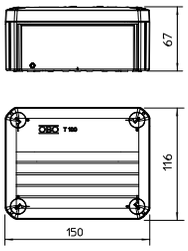


Mounting with fire protection bolt tie through the clamp and base of the FireBox.

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FireBox T100E with internal fastening





Type	Nominal cross-section mm²	Number of terminals	Pack. pcs	Weight kg/100 pcs.	Item No.
T 100 E 4-5	4	5	1	27.400	**7205510**

PP Polypropylene

Halogen-free junction box, approved for the maintenance of electrical functionality according to DIN 4102 Part 12. Maintenance of electrical functionality to classes E30 to E90.

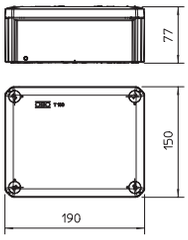
Colour: Pastel orange.

Including pre-mounted connection unit made of high temperature-resistant special ceramic and labelled protective conductor terminal. Supplied with fire protection screw ties for anchorless fastening.
Power cable nominal cross-sections: 1.5 to 4 mm², data cables with 0.8 mm wire Ø. Maximum of two 1.5 mm² rigid copper cables per terminal (remove wire protection).
High protection rating IP66, impact resistance class IK07.

Details on the cable types and manufacturers can be found in the general construction test certificate of the material testing institute NRW, Erwitte.

FireBox T160E with internal fastening





Type	Nominal cross-section mm²	Number of terminals	Pack. pcs	Weight kg/100 pcs.	Item No.
T 160 E 10-5	10	5	1	48.700	**7205524**
T 160 E 16-5	16	5	1	53.800	**7205528**

PP Polypropylene

Halogen-free junction box, approved for the maintenance of electrical functionality according to DIN 4102 Part 12. Maintenance of electrical functionality to classes E30 to E90.

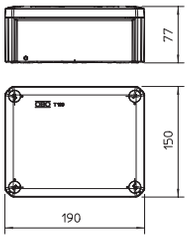
Colour: Pastel orange.

Including pre-mounted connection unit made of high temperature-resistant special ceramic and labelled protective conductor terminal. Supplied with fire protection screw ties for anchorless fastening.
Nominal cross-sections of the power cable: 10 or 16 mm²
A maximum of 2 rigid copper cables of 2.5 mm² or 4 mm² per terminal (remove wire protection).
High protection rating IP66, impact resistance class IK06.

Details on the cable types and manufacturers can be found in the general construction test certificate of the material testing institute NRW, Erwitte.

FireBox T160E for data technology with internal fastening





Type	Nominal cross-section mm²	Number of terminals	Pack. pcs	Weight kg/100 pcs.	Item No.
T 160 E 4-8D	4	8	1	46.500	**7205520**

PP Polypropylene

Halogen-free junction box, approved for the maintenance of electrical functionality according to DIN 4102 Part 12. Maintenance of electrical functionality to classes E30 to E90.

Colour: Pastel orange.

Including pre-mounted connection unit made of high temperature-resistant special ceramic with fire protection screw ties for anchorless fastening.
Nominal cross-section: data cables with 0.8 mm wire Ø.
High protection rating IP66, impact resistance class IK06.

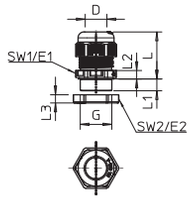
Details on the cable types and manufacturers can be found in the general construction test certificate of the material testing institute NRW, Erwitte.

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Cable gland with locknut as a set

Type	Thread	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
V-TEC VM20+ OR	M20 x 1,5	100	10	1.106	**7205660**
V-TEC VM25+ OR	M25 x 1,5	100	10	1.710	**7205663**
V-TEC VM32+ OR	M32 x 1,5	100	10	2.840	**7205666**
V-TEC VM40+ OR	M40 x 1,5	120	10	5.150	**7205669**





PA Polyamide

Robust cap nut cable gland with metric connecting thread to IEC 423, including pre-mounted locknut.
For high tightness requirements. Strain relief, wringing protection and tightness over the whole clamping area. Sealing ring made of polychloroprene/acrylonitrile butadiene rubber. Moulded shaped sealing lip on intermediate support, no connection thread sealing ring required.
VDE-tested according to DIN EN 50262, protection rating IP68 at 5 bar for 1 hr.
For maintenance of electrical function according to DIN 4102 Part 12 in connection with the junction boxes of the FireBox T series.
Colour: Pastel orange.

Dimensions

G	D	SW1	E1	SW2	E2	L min.	L max.	L1	L2	L3
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
M20 x 1.5	6–13	24	27	24	27	23.5	30.5	9	5	6
M25 x 1.5	9–17	29	32	32	36	26	35	10	6	6.5
M32 x 1.5	15–21	36	41	41	46	29	40	11	6	7
M40 x 1.5	16–28	44	50	50	56	36	46	11	7	7.5

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Kompakt Ultraline 19/10/18 13:20:50 13:20:50 (LLExpo 1 1:05 3:1:06

Cable routing systems



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Always indicate the item number when ordering.



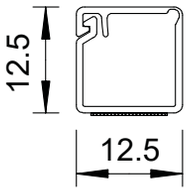
Kompakt Ukraine 2019 / en / 2019/10/18 13:20:50 13:20:50 (LFS_UA_2699) 2019/10/18 13:20:50 13:20:06

Always indicate the item number when ordering.

Mini trunking with adhesive film and hinge cover MD12

Type	Colour	Length mm	Pack. m	Weight kg/100 m	Item No.
WDKMD12RW	Pure white	2000	80	7.000	**6150284**

PVC Polyvinylchloride

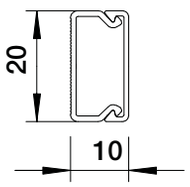




Trunking, type WDK 10020

Type	Colour	Length mm	Pack. m	Weight kg/100 m	Item No.
WDK10020RW	Pure white	2000	96	10.000	**6150764**

PVC Polyvinylchloride

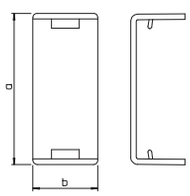




Joint cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HS10020RW	Pure white	22	14	10	0.090	**6154026**

PVC Polyvinylchloride

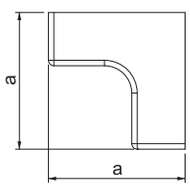




Internal corner cover

Type	Colour	Dimension a mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HI10020RW	Pure white	30	4	0.285	**6154328**

PVC Polyvinylchloride

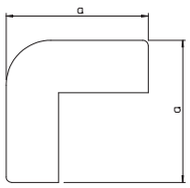


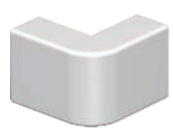


External corner cover

Type	Colour	Dimension a mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HA10020RW	Pure white	30	4	0.344	**6154417**

PVC Polyvinylchloride

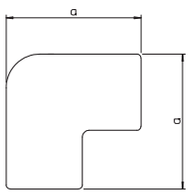




Flat angle cover

Type	Colour	Dimension a mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HF10020RW	Pure white	40	4	0.365	**6154212**

PVC Polyvinylchloride





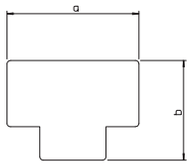
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Always indicate the item number when ordering.

Trunking height 10 mm, trunking width 20 mm

T-piece cover



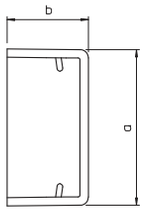


Type	Colour	Dimension a mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HT10020RW	Pure white	45	4	0.334	**6154115**

PVC Polyvinylchloride

End piece





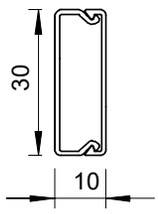
Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HE10020RW	Pure white	22	11	10	0.106	**6154514**

PVC Polyvinylchloride

Trunking height 10 mm, trunking width 30 mm

Trunking, type WDK 10030



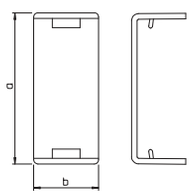


Type	Colour	Length mm	Pack. m	Weight kg/100 m	Item No.
WDK10030RW	Pure white	2000	64	13.000	**6150780**

PVC Polyvinylchloride

Joint cover



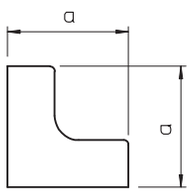


Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HS10030RW	Pure white	32	14	10	0.115	**6154034**

PVC Polyvinylchloride

Internal corner cover

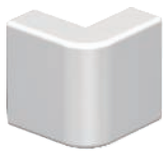


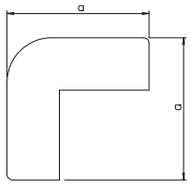


Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HI10030RW	Pure white	30	—	4	0.330	**6154336**

PVC Polyvinylchloride

External corner cover





Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HA10030RW	Pure white	30	—	4	0.450	**6154425**

PVC Polyvinylchloride

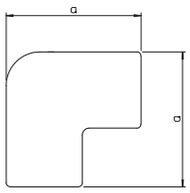
Always indicate the item number when ordering.

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Flat angle cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HF10030RW	Pure white	50	—	4	0.555	**6154220**

PVC Polyvinylchloride

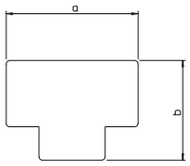




T-piece cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HT10030RW	Pure white	55	44	4	0.455	**6154123**

PVC Polyvinylchloride

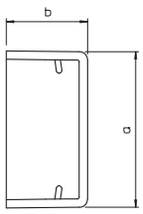




End piece

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HE10030RW	Pure white	10	0.139	**6154522**

PVC Polyvinylchloride

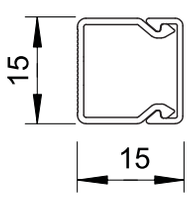




Trunking, type WDK 15015

Type	Colour	Length mm	Pack. m	Weight kg/100 m	Item No.
WDK15015RW	Pure white	2000	56	9.000	**6191002**

PVC Polyvinylchloride

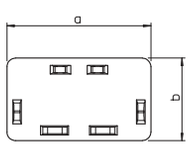




End piece

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HE15015RW	Pure white	10	0.082	**6193099**

PVC Polyvinylchloride

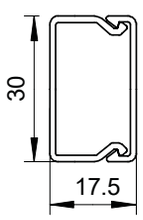




Trunking, type WDK 15030

Type	Colour	Length mm	Pack. m	Weight kg/100 m	Item No.
WDK15030RW	Pure white	2000	32	19.500	**6191010**

PVC Polyvinylchloride



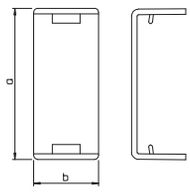


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Always indicate the item number when ordering.

Joint cover

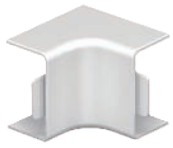


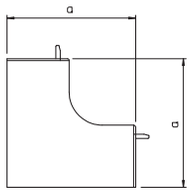


Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HS15030RW	Pure white	32	14	10	0.136	**6193501**

PVC Polyvinylchloride

Internal corner cover

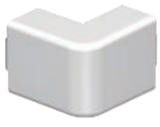


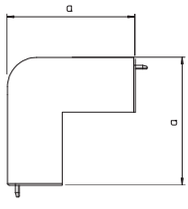


Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HI15030RW	Pure white	38.5	—	4	0.789	**6191843**

PVC Polyvinylchloride

External corner cover



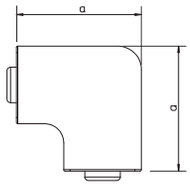


Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HA15030RW	Pure white	38.5	—	4	1.114	**6192149**

PVC Polyvinylchloride

Flat angle cover



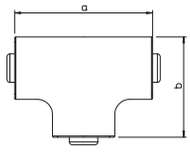


Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HF15030RW	Pure white	53	—	4	0.965	**6192750**

PVC Polyvinylchloride

T-piece cover



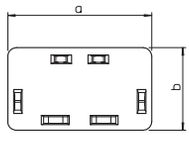


Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HT15030RW	Pure white	73	53	4	1.119	**6192459**

PVC Polyvinylchloride

End piece





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HE15030RW	Pure white	10	0.230	**6193102**

PVC Polyvinylchloride

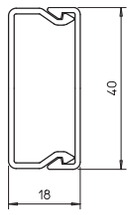
Always indicate the item number when ordering.

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Trunking, type WDK 15040 with base perforation

Type	Colour	Length mm	Pack. m	Weight kg/100 m	Item No.
WDK15040RW	Pure white	2000	36	23.000	**6191029**

PVC Polyvinylchloride

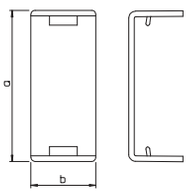




Joint cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HS15040RW	Pure white	42	14	10	0.190	**6193528**

PVC Polyvinylchloride

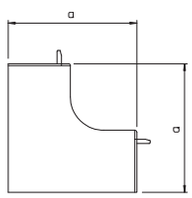




Internal corner cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HI15040RW	Pure white	42	—	4	1.070	**6191851**

PVC Polyvinylchloride

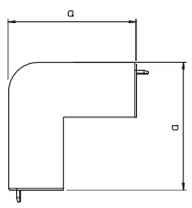




External corner cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HA15040RW	Pure white	42	—	4	1.429	**6192157**

PVC Polyvinylchloride

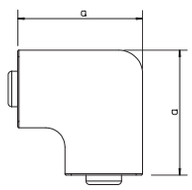




Flat angle cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HF15040RW	Pure white	63	—	4	1.471	**6192769**

PVC Polyvinylchloride

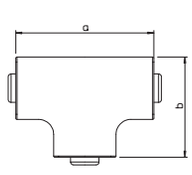




T-piece cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HT15040RW	Pure white	83	74	4	1.746	**6192467**

PVC Polyvinylchloride





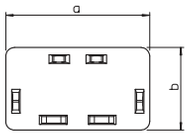
Kompakt Ukraine 2019 / en / 2019/10/18 13:20:50 13:20:50 (LLExport_02599) / 2019/10/18 13:21:06 13:21:06

Always indicate the item number when ordering.

Trunking height 15 mm, trunking width 40 mm

End piece





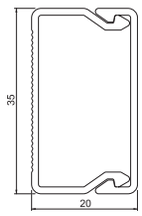
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HE15040RW	Pure white	10	0.299	**6193110**

PVC Polyvinylchloride

Trunking height 20 mm, trunking width 35 mm

Trunking, type WDK 20035



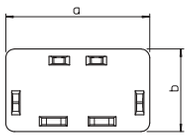


Type	Colour	Length mm	Pack. m	Weight kg/100 m	Item No.
WDK20035RW	Pure white	2000	32	23.900	**6191045**

PVC Polyvinylchloride

End piece





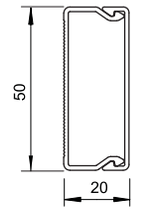
Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HE20035RW	Pure white	35	20	10	0.334	**6193137**

PVC Polyvinylchloride

Trunking height 20 mm, trunking width 50 mm

Trunking, type WDK 20050



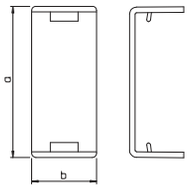


Type	Colour	Length mm	Pack. m	Weight kg/100 m	Item No.
WDK20050RW	Pure white	2000	42	30.700	**6168736**

PVC Polyvinylchloride

Joint cover



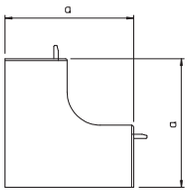


Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HS20050RW	Pure white	53	14	10	0.267	**6154069**

PVC Polyvinylchloride

Internal corner cover





Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HI20050RW	Pure white	45	—	4	1.277	**6154360**

PVC Polyvinylchloride

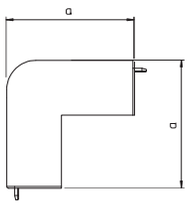
Always indicate the item number when ordering.

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External corner cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HA20050RW	Pure white	45	—	4	1.765	**6154468**

PVC Polyvinylchloride

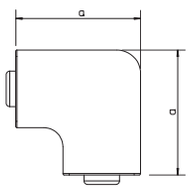




Flat angle cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HF20050RW	Pure white	73	—	4	1.948	**6154255**

PVC Polyvinylchloride

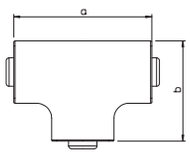




T-piece cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HT20050RW	Pure white	93	73	4	2.146	**6154166**

PVC Polyvinylchloride

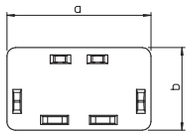




End piece

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HE20050RW	Pure white	10	0.425	**6154557**

PVC Polyvinylchloride



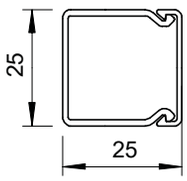


Trunking, type WDK 25025

Type	Colour	Length mm	Pack. m	Weight kg/100 m	Item No.
WDK25025RW	Pure white	2000	30	24.500	**6191053**

PVC Polyvinylchloride

Trunking cover and base with base perforation.

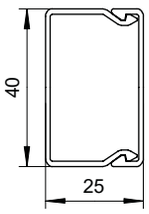




Trunking, type WDK 25040

Type	Colour	Length mm	Pack. m	Weight kg/100 m	Item No.
WDK25040RW	Pure white	2000	24	30.000	**6191061**

PVC Polyvinylchloride



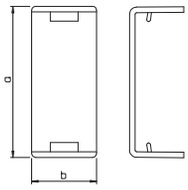


Always indicate the item number when ordering.

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Joint cover

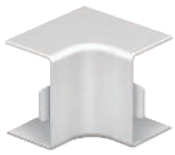


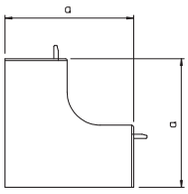


Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HS25040RW	Pure white	42	14	10	0.231	**6193560**

PVC Polyvinylchloride

Internal corner cover



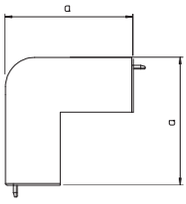


Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HI25040RW	Pure white	50	—	4	1.502	**6191894**

PVC Polyvinylchloride

External corner cover



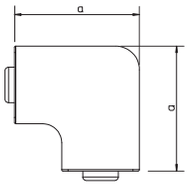


Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HA25040RW	Pure white	52	—	4	2.052	**6192181**

PVC Polyvinylchloride

Flat angle cover



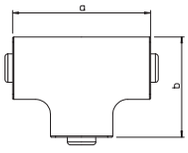


Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HF25040RW	Pure white	63	—	4	1.905	**6192793**

PVC Polyvinylchloride

T-piece cover



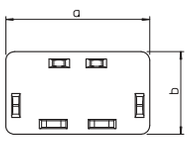


Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HT25040RW	Pure white	83	63	4	1.994	**6192491**

PVC Polyvinylchloride

End piece





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HE25040RW	Pure white	10	0.404	**6193153**

PVC Polyvinylchloride

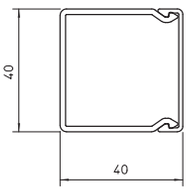
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Trunking, type WDK 40040

Type	Colour	Length mm	Pack. m	Weight kg/100 m	Item No.
WDK40040RW	Pure white	2000	36	42.100	**6191126**

PVC Polyvinylchloride

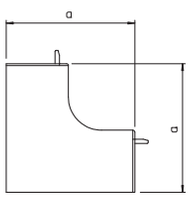




Internal corner cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HI40040RW	Pure white	65	—	4	2.502	**6191940**

PVC Polyvinylchloride

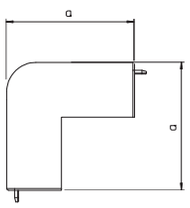




External corner cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HA40040RW	Pure white	66	—	4	3.139	**6192246**

PVC Polyvinylchloride

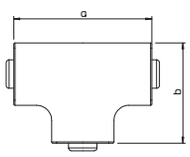




T and intersection cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HT40040RW	Pure white	83	43	4	2.681	**6192548**

PVC Polyvinylchloride

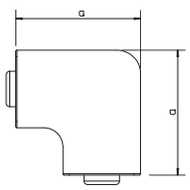




Flat angle cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HF40040RW	Pure white	63	—	4	2.534	**6192831**

PVC Polyvinylchloride

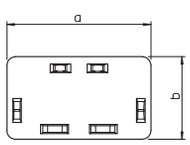




End piece

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HE40040RW	Pure white	40	40	10	0.602	**6193218**

PVC Polyvinylchloride



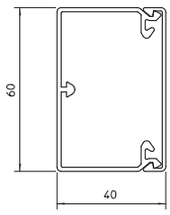


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Always indicate the item number when ordering.

Trunking, type WDK 40060



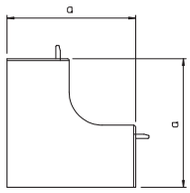


Type	Colour	Length mm	Pack. m	Weight kg/100 m	Item No.
WDK40060RW	Pure white	2000	24	56.200	**6191134**

PVC Polyvinylchloride

Internal corner cover



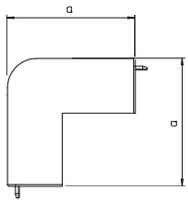


Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HI40060RW	Pure white	110	—	2	7.363	**6191959**

PVC Polyvinylchloride

External corner cover



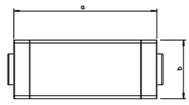


Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HA40060RW	Pure white	100	—	2	8.653	**6192254**

PVC Polyvinylchloride

T and intersection cover



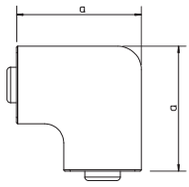


Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HK40060RW	Pure white	190	63	2	9.801	**6192556**

PVC Polyvinylchloride

Flat angle cover



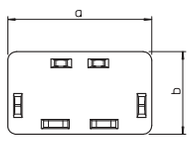


Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HF40060RW	Pure white	101	—	2	6.271	**6192858**

PVC Polyvinylchloride

End piece





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HE40060RW	Pure white	10	1.136	**6193226**

PVC Polyvinylchloride

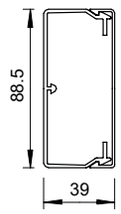
Always indicate the item number when ordering.

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Trunking, type WDK 40090

Type	Colour	Length mm	Pack. m	Weight kg/100 m	Item No.
WDK40090RW	Pure white	2000	32	77.300	**6191142**

PVC Polyvinylchloride

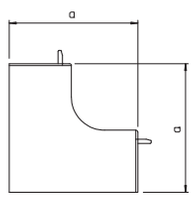




Internal corner cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HI40090RW	Pure white	109	—	2	9.468	**6191967**

PVC Polyvinylchloride

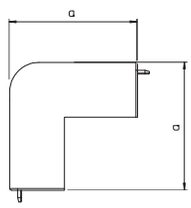




External corner cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HA40090RW	Pure white	100	—	2	9.638	**6192262**

PVC Polyvinylchloride

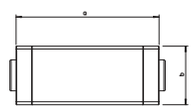




T and intersection cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HK40090RW	Pure white	230	91	2	13.986	**6192564**

PVC Polyvinylchloride

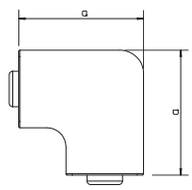




Flat angle cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HF40090RW	Pure white	129	—	2	11.246	**6192866**

PVC Polyvinylchloride

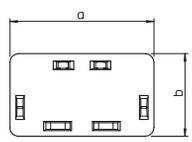




End piece

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HE40090RW	Pure white	10	1.576	**6193234**

PVC Polyvinylchloride



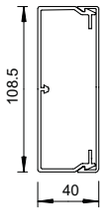


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Always indicate the item number when ordering.

Trunking, type WDK 40110



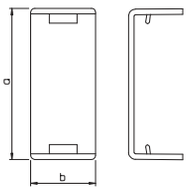


Type	Colour	Length mm	Pack. m	Weight kg/100 m	Item No.
WDK40110RW	Pure white	2000	24	111.800	**6191150**

PVC Polyvinylchloride

Joint cover

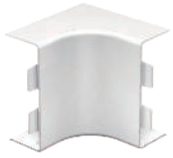


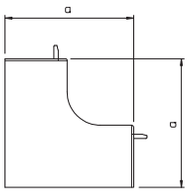


Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HS40110RW	Pure white	110	39	20	1.100	**6193586**

PVC Polyvinylchloride

Internal corner cover



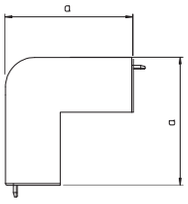


Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HI40110RW	Pure white	110.5	—	2	9.726	**6191975**

PVC Polyvinylchloride

External corner cover



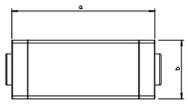


Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HA40110RW	Pure white	100	—	2	13.500	**6192270**

PVC Polyvinylchloride

T and intersection cover



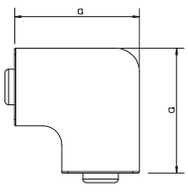


Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HK40110RW	Pure white	272	112	2	18.882	**6192572**

PVC Polyvinylchloride

Flat angle cover





Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HF40110RW	Pure white	110	—	2	13.000	**6192874**

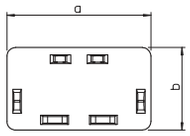
PVC Polyvinylchloride

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End piece

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HE40110RW	Pure white	10	1.919	**6193242**

PVC Polyvinylchloride

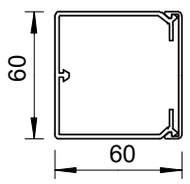




Trunking, type WDK 60060

Type	Colour	Length mm	Pack. m	Weight kg/100 m	Item No.
WDK60060RW	Pure white	2000	32	81.600	**6191193**

PVC Polyvinylchloride

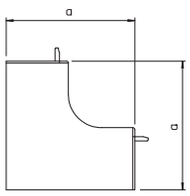




Internal corner cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HI60060RW	Pure white	130	—	2	10.932	**6192017**

PVC Polyvinylchloride

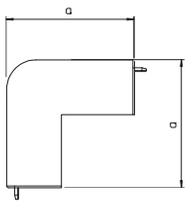




External corner cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HA60060RW	Pure white	100	—	2	9.931	**6192319**

PVC Polyvinylchloride

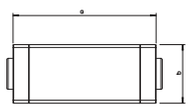




T and intersection cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HK60060RW	Pure white	190	65	2	12.876	**6192610**

PVC Polyvinylchloride

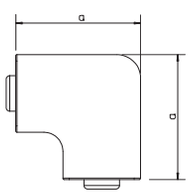




Flat angle cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HF60060RW	Pure white	101	—	2	7.846	**6192912**

PVC Polyvinylchloride





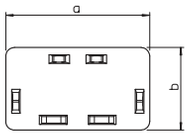
Kompakt Ukraine 2019 / en / 2019/10/18 13:20:50 13:20:50 (LLExport_02599) / 2019/10/18 13:21:06 13:21:06

Always indicate the item number when ordering.

Trunking height 60 mm, trunking width 60 mm

End piece





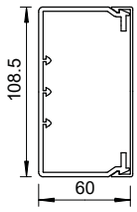
Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HE60060RW	Pure white	60	60	10	1.551	**6193285**

PVC Polyvinylchloride

Trunking height 60 mm, trunking width 110 mm, device installation

Trunking, type WDK 60110



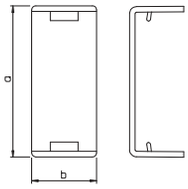


Type	Colour	Length mm	Pack. m	Weight kg/100 m	Item No.
WDK60110RW	Pure white	2000	16	117.000	**6191215**

PVC Polyvinylchloride

Joint cover

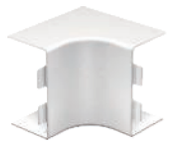


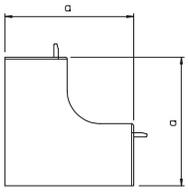


Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HS60110RW	Pure white	113	18	20	1.142	**6193596**

PVC Polyvinylchloride

Internal corner cover



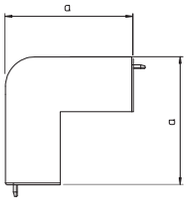


Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HI60110RW	Pure white	130	—	2	13.254	**6192033**

PVC Polyvinylchloride

External corner cover



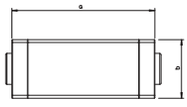


Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HA60110RW	Pure white	100	—	2	13.226	**6192335**

PVC Polyvinylchloride

T and intersection cover





Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HK60110RW	Pure white	272	65	2	22.905	**6192637**

PVC Polyvinylchloride

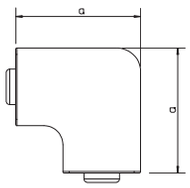
Always indicate the item number when ordering.

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Flat angle cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HF60110RW	Pure white	149	—	2	14.273	**6192939**

PVC Polyvinylchloride

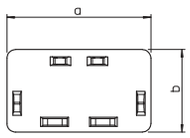




End piece

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HE60110RW	Pure white	110	60	10	2.937	**6193307**

PVC Polyvinylchloride

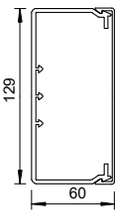




Trunking, type WDK 60130

Type	Colour	Length mm	Pack. m	Weight kg/100 m	Item No.
WDK60130RW	Pure white	2000	16	135.000	**6191223**

PVC Polyvinylchloride

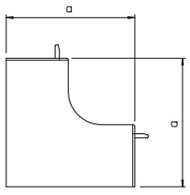


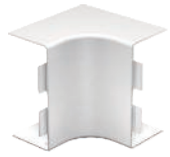


Internal corner cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HI60130RW	Pure white	130	—	2	13.526	**6192041**

PVC Polyvinylchloride

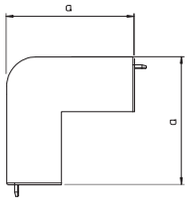




External corner cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HA60130RW	Pure white	100	—	2	14.327	**6192343**

PVC Polyvinylchloride

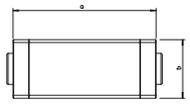




T and intersection cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HK60130RW	Pure white	272	65	2	23.968	**6192645**

PVC Polyvinylchloride





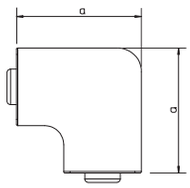
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Always indicate the item number when ordering.

Trunking height 60 mm, trunking width 130 mm, device installation

Flat angle cover



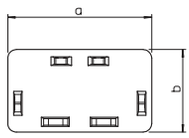


Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HF60130RW	Pure white	170	—	2	17.118	**6192947**

PVC Polyvinylchloride

End piece





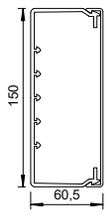
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HE60130RW	Pure white	10	3.610	**6193315**

PVC Polyvinylchloride

Trunking height 60 mm, trunking width 150 mm, device installation

Trunking, type WDK 60150



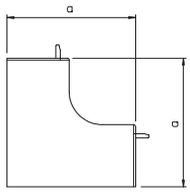


Type	Colour	Length mm	Pack. m	Weight kg/100 m	Item No.
WDK60150RW	Pure white	2000	8	175.000	**6191231**

PVC Polyvinylchloride

Internal corner cover



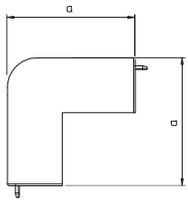


Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HI60150RW	Pure white	130	—	2	14.449	**6192068**

PVC Polyvinylchloride

External corner cover



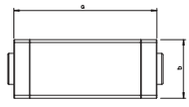


Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HA60150RW	Pure white	100	—	2	17.452	**6192351**

PVC Polyvinylchloride

T and intersection cover





Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HK60150RW	Pure white	291	66	2	26.831	**6192653**

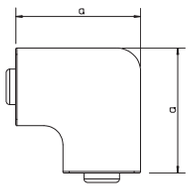
PVC Polyvinylchloride

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Flat angle cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HF60150RW	Pure white	190	—	2	19.910	**6192955**

PVC Polyvinylchloride

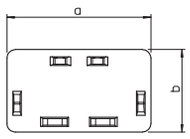




End piece

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HE60150RW	Pure white	150	60	10	4.118	**6193323**

PVC Polyvinylchloride

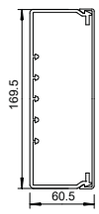


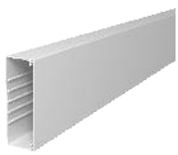


Trunking, type WDK 60170

Type	Colour	Length mm	Pack. m	Weight kg/100 m	Item No.
WDK60170RW	Pure white	2000	8	178.000	**6191258**

PVC Polyvinylchloride

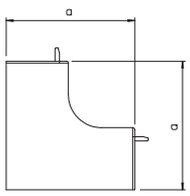




Internal corner cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HI60170RW	Pure white	130	—	2	12.472	**6192076**

PVC Polyvinylchloride

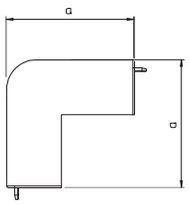




External corner cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HA60170RW	Pure white	100	—	2	17.750	**6192378**

PVC Polyvinylchloride

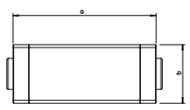




T and intersection cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HK60170RW	Pure white	291	66	2	32.600	**6192661**

PVC Polyvinylchloride





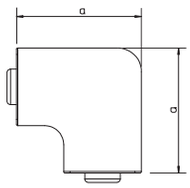
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Always indicate the item number when ordering.

Trunking height 60 mm, trunking width 170 mm, device installation

Flat angle cover



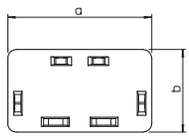


Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HF60170RW	Pure white	211	—	2	22.774	**6192963**

PVC Polyvinylchloride

End piece





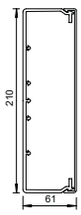
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HE60170RW	Pure white	10	4.859	**6193331**

PVC Polyvinylchloride

Trunking height 60 mm, trunking width 210 mm, device installation

Trunking, type WDK 60210



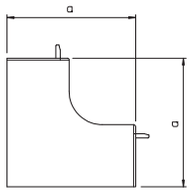


Type	Colour	Length mm	Pack. m	Weight kg/100 m	Item No.
WDK60210RW	Pure white	2000	8	258.000	**6191266**

PVC Polyvinylchloride

Internal corner cover



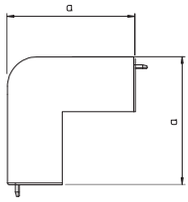


Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HI60210RW	Pure white	130	—	2	17.594	**6192084**

PVC Polyvinylchloride

External corner cover



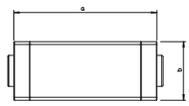


Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HA60210RW	Pure white	100	—	2	20.357	**6192386**

PVC Polyvinylchloride

T and intersection cover





Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HK60210RW	Pure white	291	66	2	35.280	**6192688**

PVC Polyvinylchloride

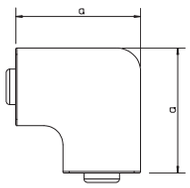
Always indicate the item number when ordering.

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Flat angle cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HF60210RW	Pure white	250	—	2	30.182	**6192971**

PVC Polyvinylchloride

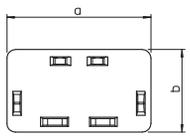




End piece

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HE60210RW	Pure white	10	5.475	**6193358**

PVC Polyvinylchloride

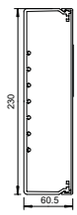


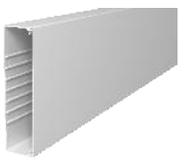


Trunking, type WDK 60230

Type	Colour	Length mm	Pack. m	Weight kg/100 m	Item No.
WDK60230RW	Pure white	2000	8	298.000	**6191274**

PVC Polyvinylchloride

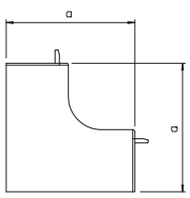




Internal corner cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HI60230RW	Pure white	130	—	2	22.509	**6192092**

PVC Polyvinylchloride

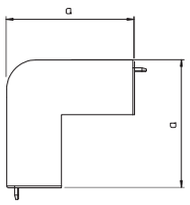




External corner cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HA60230RW	Pure white	100	—	2	24.645	**6192394**

PVC Polyvinylchloride

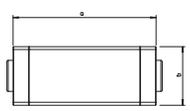




T and intersection cover

Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HK60230RW	Pure white	291	66	2	39.600	**6192696**

PVC Polyvinylchloride





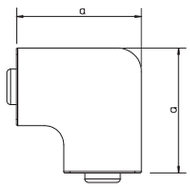
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Always indicate the item number when ordering.

Trunking height 60 mm, trunking width 230 mm

Flat angle cover



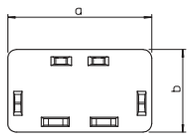


Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HF60230RW	Pure white	270	—	2	47.856	**6192998**

PVC Polyvinylchloride

End piece





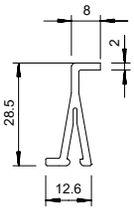
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
WDK HE60230RW	Pure white	10	6.283	**6193366**

PVC Polyvinylchloride

Plastic cable routing trunking accessories

Partition for trunking height 40 mm



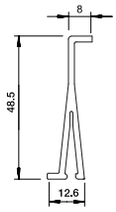


Type	Colour	Length mm	Pack. m	Weight kg/100 m	Item No.
2371 40	Light grey	2000	60	13.500	**6023096**

PVC Polyvinylchloride

Partition for trunking height 60 mm





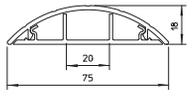
Type	Colour	Length mm	Pack. m	Weight kg/100 m	Item No.
2371 60	Light grey	2000	40	17.000	**6023118**

PVC Polyvinylchloride

Floor trunking

Floor trunking, type 2650





Type	Colour	Length mm	Pack. m	Weight kg/100 m	Item No.
2650	Stone grey	2000	36	43.000	**6020801**

PVC Polyvinylchloride

Always indicate the item number when ordering.

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VK wiring trunking system



Always indicate the item number when ordering.

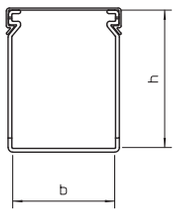
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Wiring trunking, type LK4 15015

Type	Colour	Length mm	Dimension W x H mm	Pack. m	Weight kg/100 m	Item No.
LK4 15015	Stone grey	2000	15x15	72	12.000	**6178001**

PVC Polyvinylchloride

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.



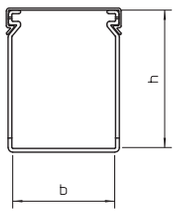


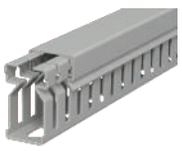
Wiring trunking, type LK4 30015

Type	Colour	Length mm	Dimension W x H mm	Pack. m	Weight kg/100 m	Item No.
LK4 30015	Stone grey	2000	15x30	40	18.000	**6178003**

PVC Polyvinylchloride

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.



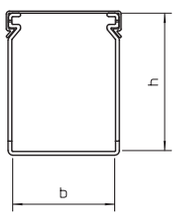


Wiring trunking, type LK4 30025

Type	Colour	Length mm	Dimension W x H mm	Pack. m	Weight kg/100 m	Item No.
LK4 30025	Stone grey	2000	25x30	48	28.000	**6178005**

PVC Polyvinylchloride

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.



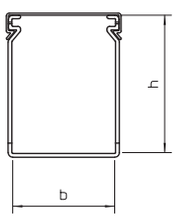


Wiring trunking, type LK4 40025

Type	Colour	Length mm	Dimension W x H mm	Pack. m	Weight kg/100 m	Item No.
LK4 40025	Stone grey	2000	25x40	48	36.500	**6178010**

PVC Polyvinylchloride

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.



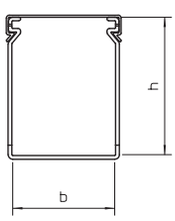


Wiring trunking, type LK4 60025

Type	Colour	Length mm	Dimension W x H mm	Pack. m	Weight kg/100 m	Item No.
LK4 60025	Stone grey	2000	25x60	32	46.000	**6178028**

PVC Polyvinylchloride

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.



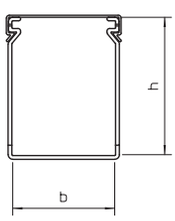


Wiring trunking, type LK4 80025

Type	Colour	Length mm	Dimension W x H mm	Pack. m	Weight kg/100 m	Item No.
LK4 80025	Stone grey	2000	25x80	32	61.000	**6178050**

PVC Polyvinylchloride

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.



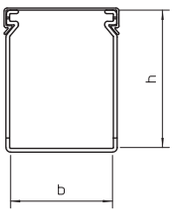


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Always indicate the item number when ordering.

Wiring trunking, type LK4 40040





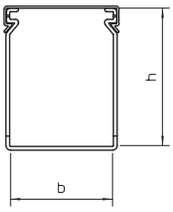
Type	Colour	Length mm	Dimension W x H mm	Pack. m	Weight kg/100 m	Item No.
LK4 40040	Stone grey	2000	40x40	36	44.000	**6178012**

PVC Polyvinylchloride

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

Wiring trunking, type LK4 40060





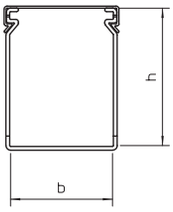
Type	Colour	Length mm	Dimension W x H mm	Pack. m	Weight kg/100 m	Item No.
LK4 40060	Stone grey	2000	60x40	24	57.000	**6178014**

PVC Polyvinylchloride

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

Wiring trunking, type LK4 40080





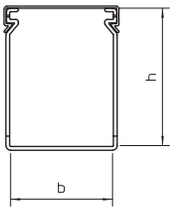
Type	Colour	Length mm	Dimension W x H mm	Pack. m	Weight kg/100 m	Item No.
LK4 40080	Stone grey	2000	80x40	24	71.000	**6178016**

PVC Polyvinylchloride

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

Wiring trunking, type LK4 40100





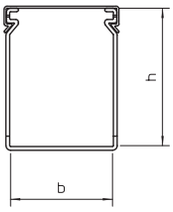
Type	Colour	Length mm	Dimension W x H mm	Pack. m	Weight kg/100 m	Item No.
LK4 40100	Stone grey	2000	100x40	24	85.500	**6178018**

PVC Polyvinylchloride

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

Wiring trunking, type LK4 60040





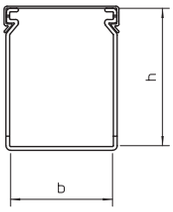
Type	Colour	Length mm	Dimension W x H mm	Pack. m	Weight kg/100 m	Item No.
LK4 60040	Stone grey	2000	40x60	24	53.500	**6178031**

PVC Polyvinylchloride

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

Wiring trunking, type LK4 60060





Type	Colour	Length mm	Dimension W x H mm	Pack. m	Weight kg/100 m	Item No.
LK4 60060	Stone grey	2000	60x60	32	64.500	**6178033**

PVC Polyvinylchloride

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

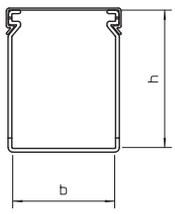
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Wiring trunking, type LK4 60080

Type	Colour	Length mm	Dimension W x H mm	Pack. m	Weight kg/100 m	Item No.
LK4 60080	Stone grey	2000	80x60	24	82.500	**6178035**

PVC Polyvinylchloride

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.



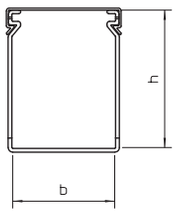


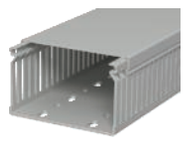
Wiring trunking, type LK4 60100

Type	Colour	Length mm	Dimension W x H mm	Pack. m	Weight kg/100 m	Item No.
LK4 60100	Stone grey	2000	100x60	16	100.000	**6178037**

PVC Polyvinylchloride

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.



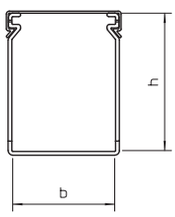


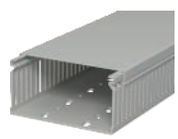
Wiring trunking, type LK4 60120

Type	Colour	Length mm	Dimension W x H mm	Pack. m	Weight kg/100 m	Item No.
LK4 60120	Stone grey	2000	120x60	8	117.000	**6178039**

PVC Polyvinylchloride

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.



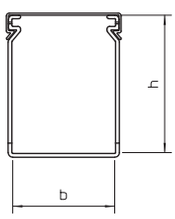


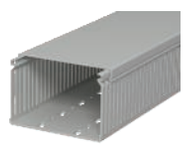
Wiring trunking, type LK4 80120

Type	Colour	Length mm	Dimension W x H mm	Pack. m	Weight kg/100 m	Item No.
LK4 80120	Stone grey	2000	120x80	8	128.500	**6178061**

PVC Polyvinylchloride

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.



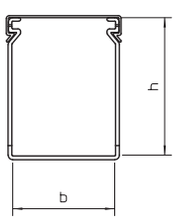


Wiring trunking, type LK4/N 80040

Type	Colour	Length mm	Dimension W x H mm	Pack. m	Weight kg/100 m	Item No.
LK4 N 80040	Stone grey	2000	40x80	24	73.500	**6178227**

PVC Polyvinylchloride

Wiring trunking including cover and base perforation, tapering in the side slots stops the cables from falling out. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.



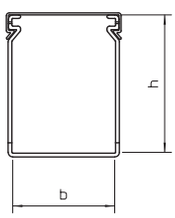


Wiring trunking, type LK4/N 80060

Type	Colour	Length mm	Dimension W x H mm	Pack. m	Weight kg/100 m	Item No.
LK4 N 80060	Stone grey	2000	60x80	24	82.000	**6178229**

PVC Polyvinylchloride

Wiring trunking including cover and base perforation, tapering in the side slots stops the cables from falling out. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

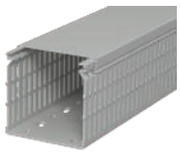


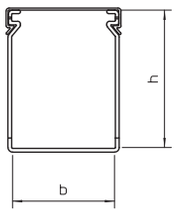


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Always indicate the item number when ordering.

Wiring trunking, type LK4/N 80080



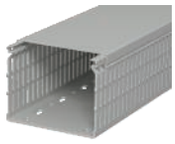


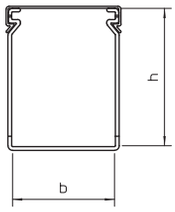
Type	Colour	Length mm	Dimension W x H mm	Pack. m	Weight kg/100 m	Item No.
LK4 N 80080	Stone grey	2000	80x80	16	101.000	**6178231**

PVC Polyvinylchloride

Wiring trunking including cover and base perforation, tapering in the side slots stops the cables from falling out. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

Wiring trunking, type LK4/N 80100





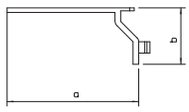
Type	Colour	Length mm	Dimension W x H mm	Pack. m	Weight kg/100 m	Item No.
LK4 N 80100	Stone grey	2000	100x80	16	116.500	**6178233**

PVC Polyvinylchloride

Wiring trunking including cover and base perforation, tapering in the side slots stops the cables from falling out. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

Wire retainer for type LK4 and LK4/N





Type	Colour	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LK4 H	Stone grey	56	25	100	0.348	**6178092**

PS Polystyrene

Wire retainer for wiring trunking, type LK4 and LK4/N. The wire retainer prevents already inserted cables from falling out. These predetermined breaking points allow the length to be reduced for various trunking widths to 38, 28 and 23 mm.

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Always indicate the item number when ordering.

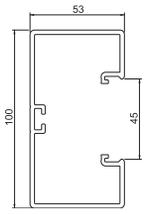


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Always indicate the item number when ordering.

Device installation trunking Rapid 45-2, type GK-53100





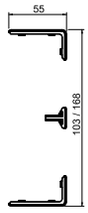
Type	Colour	Length mm	Pack. m	Weight kg/100 m	Item No.
GK-53100RW	Pure white	2000	12	130.300	**6113000**

PVC Polyvinylchloride

Trunking base and cover with base perforation for direct wall mounting.

Trunking connector and joint cover





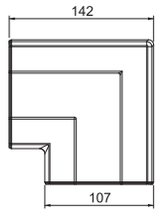
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-KS45-1RW	Pure white	6	0.861	**6113020**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

Joint cover for the bases of the Rapid 45-2 device installation trunking to hide cut edges and provide a perfect connection of the trunking segments. The joint covers are attached. Suitable for trunking width 100 mm and 165 mm.

Flat angle cover



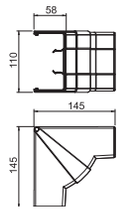


Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-FH53100RW	Pure white	2	10.911	**6113090**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

Flat angle as hood fitting for changing the direction of the Rapid 45-2 device installation trunking.

Internal corner cover



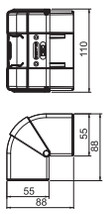
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-IH53100RW	Pure white	1	12.856	**6113070**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

Internal corner for changing the direction of Rapid 45 device installation trunking.

External corner cover



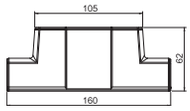


Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-AH53100RW	Pure white	1	7.153	**6113050**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

External corner for changing the direction of Rapid 45-2 device installation trunking. The fittings can be adjusted between 80–110°.

T piece adapter



Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-TR53100RW	Pure white	1	3.405	**6113100**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

T-piece to create a 90° -junction of the system size 53100 on the system size 53100th

Always indicate the item number when ordering.

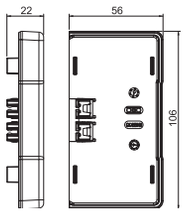
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End piece

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-E53100RW	Pure white	1	2.493	**6113110**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

End piece for lateral closing the device installation trunking, Rapid 45-2 GK and GA 53100.



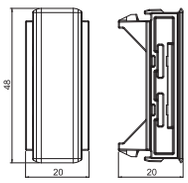


Joint cover

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-OTSA45RW	Pure white	6	0.624	**6113030**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

Joint cover for the covers of the Rapid 45-2 device installation trunking to hide cut edges and provide a tidy connection to installed Modul 45 devices.



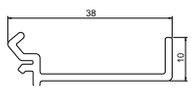


Partition

Type	Length mm	Pack. m	Weight kg/100 m	Item No.
GK-TW53	2000	40	28.700	**6113290**

PVC Polyvinylchloride

Partition for mounting in Rapid 45-2 GK and GA device installation trunking for installing cables of different voltage levels.



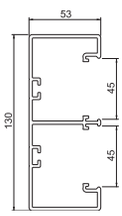


Device installation trunking Rapid 45-2, Type GK-53130

Type	Colour	Length mm	Pack. m	Weight kg/100 m	Item No.
GK-53130RW	Pure white	2000	8	174.000	**6113200**

PVC Polyvinylchloride

Trunking base and cover with base perforation for direct wall mounting.



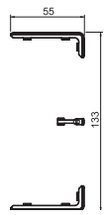


Trunking connector and joint cover

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-KS45-2RW	Pure white	6	0.707	**6113210**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

Joint cover for the bases of the Rapid 45 device installation trunking to hide cut edges and provide a perfect connection of the trunking segments. The joint covers are attached. Suitable for trunking width 130 mm.



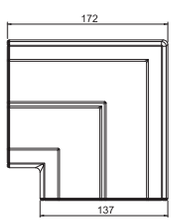


Flat angle cover

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-FH53130RW	Pure white	2	14.754	**6113270**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

Flat angle as hood fitting for changing the direction of the Rapid 45-2 device installation trunking.

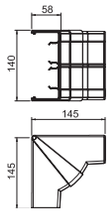




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Always indicate the item number when ordering.

Internal corner cover



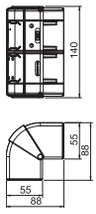
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-IH53130RW	Pure white	1	14.730	**6113250**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

Internal corner for changing the direction of Rapid 45 device installation trunking.

External corner cover





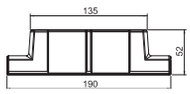
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-AH53130RW	Pure white	1	8.440	**6113230**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

External corner for changing the direction of Rapid 45-2 device installation trunking. The fittings can be adjusted between 80–110°.

T piece adapter





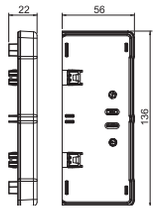
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-TR53130RW	Pure white	1	3.514	**6113300**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

T-piece adapter to create a 90° -junction of the system size 53130 on the system size 53130.

End piece





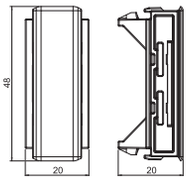
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-E53130RW	Pure white	1	2.972	**6113280**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

End piece for side closing of the Rapid 45-2 GK and GA 53130 device installation trunking.

Joint cover





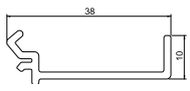
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-OTSA45RW	Pure white	6	0.624	**6113030**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

Joint cover for the covers of the Rapid 45-2 device installation trunking to hide cut edges and provide a tidy connection to installed Modul 45 devices.

Partition





Type	Length mm	Pack. m	Weight kg/100 m	Item No.
GK-TW53	2000	40	28.700	**6113290**

PVC Polyvinylchloride

Partition for mounting in Rapid 45-2 GK and GA device installation trunking for installing cables of different voltage levels.

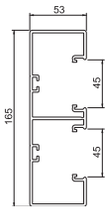
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Device installation trunking Rapid 45-2, Type GK-53165

Type	Colour	Length mm	Pack. m	Weight kg/100 m	Item No.
GK-53165RW	Pure white	2000	8	216.250	**6113400**

PVC Polyvinylchloride

Trunking base and cover with base perforation for direct wall mounting.



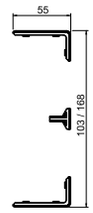


Trunking connector and joint cover

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-KS45-1RW	Pure white	6	0.861	**6113020**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

Joint cover for the bases of the Rapid 45-2 device installation trunking to hide cut edges and provide a perfect connection of the trunking segments. The joint covers are attached. Suitable for trunking width 100 mm and 165 mm.



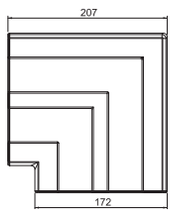


Flat angle cover

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-FH53165RW	Pure white	2	16.300	**6113460**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

Flat angle as hood fitting for changing the direction of the Rapid 45-2 device installation trunking.



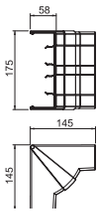


Internal corner cover

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-IH53165RW	Pure white	1	15.634	**6113440**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

Internal corner for changing the direction of Rapid 45 device installation trunking.

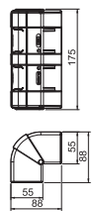


External corner cover

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-AH53165RW	Pure white	1	9.230	**6113420**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

External corner for changing the direction of Rapid 45-2 device installation trunking. The fittings can be adjusted between 80–110°.



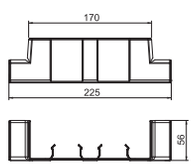


T piece adapter

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-TR53165RW	Pure white	1	4.545	**6113480**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

T-piece adapter to create a 90° -juction of the system size 53165 on the system size 53165.



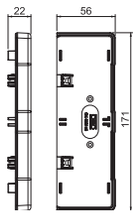
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Always indicate the item number when ordering.

Trunking height 53 mm, trunking width 165 mm

End piece





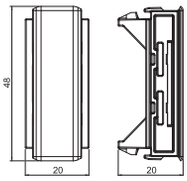
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-E53165RW	Pure white	1	3.561	**6113470**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

End piece for side closing of the Rapid 45-2 GK and GA 53165 device installation trunking.

Joint cover





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-OTSA45RW	Pure white	6	0.624	**6113030**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

Joint cover for the covers of the Rapid 45-2 device installation trunking to hide cut edges and provide a tidy connection to installed Modul 45 devices.

Partition





Type	Length mm	Pack. m	Weight kg/100 m	Item No.
GK-TW53	2000	40	28.700	**6113290**

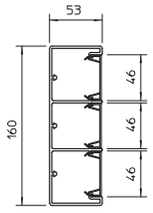
PVC Polyvinylchloride

Partition for mounting in Rapid 45-2 GK and GA device installation trunking for installing cables of different voltage levels.

Trunking depth 53 mm, trunking height 160 mm, 3-compartment

Rapid 45 device installation trunking, type GEK-K 53160-3





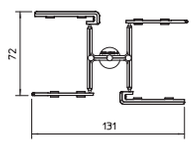
Type	Colour	Length mm	Pack. m	Weight kg/100 m	Item No.
GEK-K53160-3	Pure white	2000	8	210.000	**6116073**

PVC Polyvinylchloride

Trunking base and cover with floor perforation for direct wall mounting.

Trunking connector and joint cover





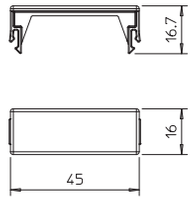
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GEK-KS45-3	Pure white	6	1.324	**6116163**

PVC Polyvinylchloride

Joint cover for smooth connection of trunking segments.

Joint cover





Type	Colour	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GEK-KSOT45	Pure white	–	6	0.284	**6116152**

PVC Polyvinylchloride

Joint cover for the covers of the Rapid 45 device installation trunking to hide cut edges and provide tidy connection to installed Modul 45 devices.

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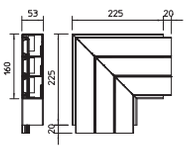
Always indicate the item number when ordering.

Flat angle

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GEK-KF53160-3	Pure white	1	64.000	**6116493**

PVC Polyvinylchloride

Flat angle for direction change of Rapid 45 device installation trunking, GEK-K53160-3.



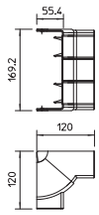


Internal corner cover

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GEK-KI53160-3	Pure white	2	13.800	**6116201**

PVC Polyvinylchloride

Internal corner as hood fitting for direction change of three-compartment Rapid 45 device installation trunking. The fittings can be variably adjusted between 80 and 103°.

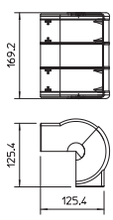


External corner cover

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GEK-KA53160-3	Pure white	2	22.000	**6116261**

PVC Polyvinylchloride

External corner as hood fitting for direction change of three-compartment Rapid 45 device installation trunking. The fittings can be adjusted variably between 70–130°.

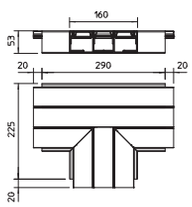


T piece

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GEK-KT53160-3	Pure white	1	72.000	**6116193**

PVC Polyvinylchloride

Prefabricated T piece for vertical branch of the Rapid 45 device installation trunking, three-compartment.



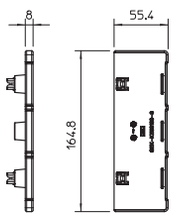


End piece

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GEK-KE53160-3	Pure white	8	3.687	**6116403**

PVC Polyvinylchloride

End piece for closing the device installation trunking Rapid 45 GEK-K53160-3.



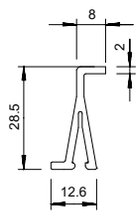


Partition for trunking height 40 mm

Type	Colour	Length mm	Pack. m	Weight kg/100 m	Item No.
2371 40	Light grey	2000	60	13.500	**6023096**

PVC Polyvinylchloride

Partition to divide the WDK trunking, with 40 mm trunking height, and various ISS service poles for the installation of different voltage levels.



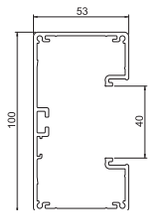


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Always indicate the item number when ordering.

Device installation trunking Rapid 45-2, Type GA-53100





Type	Colour	Length mm	Pack. m	Weight kg/100 m	Item No.
GA-53100EL	—	2000	8	223.800	**6112403**

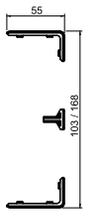
Alu Aluminium

EL Anodised

Aluminium complete device installation trunking, consisting of a base and cover. The base has no floor perforation.

Trunking connector and joint cover





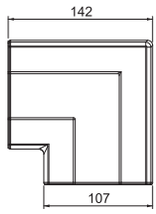
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-KS45-1AL	Aluminium	1	0.580	**6113024**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

Joint cover for the bases of the Rapid 45-2 device installation trunking to hide cut edges and provide a perfect connection of the trunking segments. The joint covers are attached. Suitable for trunking width 100 mm and 165 mm.

Flat angle cover





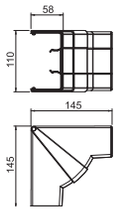
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-FH53100AL	Aluminium	2	9.800	**6113094**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

Flat angle as hood fitting for changing the direction of the Rapid 45-2 device installation trunking.

Internal corner cover





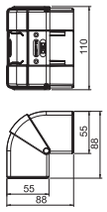
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-IH53100AL	Aluminium	1	12.000	**6113074**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

Internal corner for changing the direction of Rapid 45 device installation trunking.

External corner cover





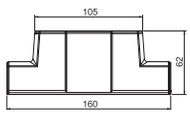
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-AH53100AL	Aluminium	1	6.900	**6113054**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

External corner for changing the direction of Rapid 45-2 device installation trunking. The fittings can be adjusted between 80–110°.

T piece adapter





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-TR53100AL	Aluminium	1	3.405	**6113104**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

T-piece to create a 90° -junction of the system size 53100 on the system size 53100th

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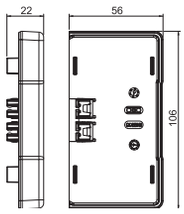
Always indicate the item number when ordering.

End piece

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-E53100AL	Aluminium	1	2.200	**6113114**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

End piece for lateral closing the device installation trunking, Rapid 45-2 GK and GA 53100.



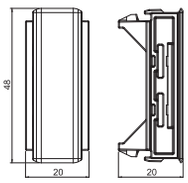


Joint cover

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-OTSA45AL	Aluminium	1	0.550	**6113034**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

Joint cover for the covers of the Rapid 45-2 device installation trunking to hide cut edges and provide a tidy connection to installed Modul 45 devices.



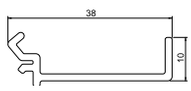


Partition

Type	Length mm	Pack. m	Weight kg/100 m	Item No.
GK-TW53	2000	40	28.700	**6113290**

PVC Polyvinylchloride

Partition for mounting in Rapid 45-2 GK and GA device installation trunking for installing cables of different voltage levels.





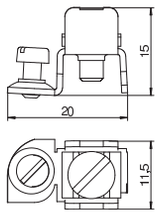
Protective conductor connection bracket

Type	Surface finish	Pack. pcs	Weight kg/100 pcs.	Item No.
8AWR	Electrogalvanised	10	0.610	**6288704**

St Steel

G Electrogalvanised

Protective conductor connection bracket to include steel and aluminium device installation trunking, service poles and system components of underfloor trunking systems in the protective measure.
Clamping area: 2 x 1.5 – 4 mm²





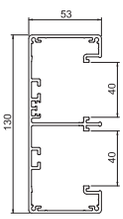
Device installation trunking Rapid 45-2, Type GA-53130

Type	Colour	Surface finish	Length mm	Pack. m	Weight kg/100 m	Item No.
GA-53130EL	–	Anodised	2000	8	326.500	**6112503**

Alu Aluminium

EL Anodised

Aluminium complete device installation trunking, consisting of a base and cover. The base has no floor perforation.



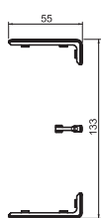


Trunking connector and joint cover

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-KS45-2AL	Aluminium	1	0.450	**6113214**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

Joint cover for the bases of the Rapid 45 device installation trunking to hide cut edges and provide a perfect connection of the trunking segments. The joint covers are attached. Suitable for trunking width 130 mm.



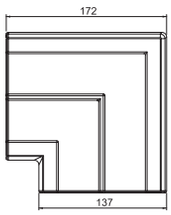


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Always indicate the item number when ordering.

Flat angle cover





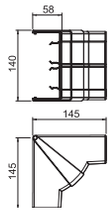
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-FH53130AL	Aluminium	2	12.700	**6113274**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

Flat angle as hood fitting for changing the direction of the Rapid 45-2 device installation trunking.

Internal corner cover





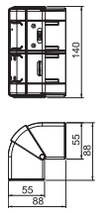
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-IH53130AL	Aluminium	1	13.170	**6113254**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

Internal corner for changing the direction of Rapid 45 device installation trunking.

External corner cover





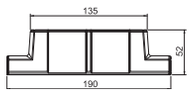
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-AH53130AL	Aluminium	1	8.000	**6113234**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

External corner for changing the direction of Rapid 45-2 device installation trunking. The fittings can be adjusted between 80–110°.

T piece adapter





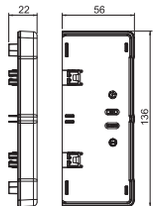
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-TR53130AL	Aluminium	1	3.514	**6113304**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

T-piece adapter to create a 90° -junction of the system size 53130 on the system size 53130.

End piece





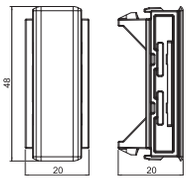
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-E53130AL	Aluminium	1	2.700	**6113284**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

End piece for side closing of the Rapid 45-2 GK and GA 53130 device installation trunking.

Joint cover





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-OTSA45AL	Aluminium	1	0.550	**6113034**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

Joint cover for the covers of the Rapid 45-2 device installation trunking to hide cut edges and provide a tidy connection to installed Modul 45 devices.

Always indicate the item number when ordering.

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Partition

Type	Length mm	Pack. m	Weight kg/100 m	Item No.
GK-TW53	2000	40	28.700	**6113290**

PVC Polyvinylchloride

Partition for mounting in Rapid 45-2 GK and GA device installation trunking for installing cables of different voltage levels.





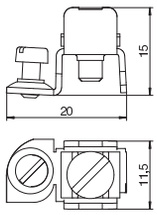
Protective conductor connection bracket

Type	Surface finish	Pack. pcs	Weight kg/100 pcs.	Item No.
8AWR	Electrogalvanised	10	0.610	**6288704**

St Steel

G Electrogalvanised

Protective conductor connection bracket to include steel and aluminium device installation trunking, service poles and system components of underfloor trunking systems in the protective measure.
Clamping area: 2 x 1.5 – 4 mm²





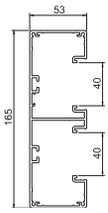
Device installation trunking Rapid 45-2, Type GA-53165

Type	Colour	Surface finish	Length mm	Pack. m	Weight kg/100 m	Item No.
GA-53165EL	–	Anodised	2000	6	370.750	**6112603**

Alu Aluminium

EL Anodised

Aluminium complete device installation trunking, consisting of a base and cover. The base has no floor perforation.



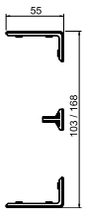


Trunking connector and joint cover

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-KS45-1AL	Aluminium	1	0.580	**6113024**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

Joint cover for the bases of the Rapid 45-2 device installation trunking to hide cut edges and provide a perfect connection of the trunking segments. The joint covers are attached. Suitable for trunking width 100 mm and 165 mm.



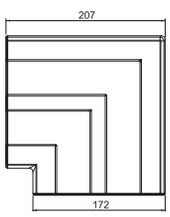


Flat angle cover

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-FH53165AL	Aluminium	2	16.300	**6113464**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

Flat angle as hood fitting for changing the direction of the Rapid 45-2 device installation trunking.



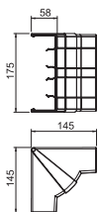


Internal corner cover

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-IH53165AL	Aluminium	1	14.660	**6113444**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

Internal corner for changing the direction of Rapid 45 device installation trunking.



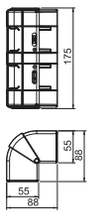


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Always indicate the item number when ordering.

External corner cover





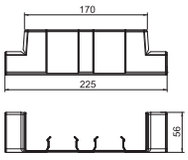
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-AH53165AL	Aluminium	1	9.230	**6113424**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

External corner for changing the direction of Rapid 45-2 device installation trunking. The fittings can be adjusted between 80–110°.

T piece adapter





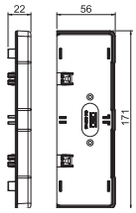
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-TR53165AL	Aluminium	1	4.040	**6113484**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

T-piece adapter to create a 90° -juction of the system size 53165 on the system size 53165.

End piece





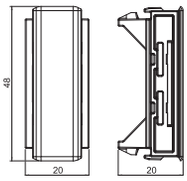
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-E53165AL	Aluminium	1	3.240	**6113474**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

End piece for side closing of the Rapid 45-2 GK and GA 53165 device installation trunking.

Joint cover





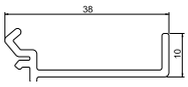
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GK-OTSA45AL	Aluminium	1	0.550	**6113034**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

Joint cover for the covers of the Rapid 45-2 device installation trunking to hide cut edges and provide a tidy connection to installed Modul 45 devices.

Partition





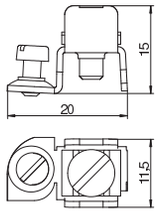
Type	Length mm	Pack. m	Weight kg/100 m	Item No.
GK-TW53	2000	40	28.700	**6113290**

PVC Polyvinylchloride

Partition for mounting in Rapid 45-2 GK and GA device installation trunking for installing cables of different voltage levels.

Protective conductor connection bracket





Type	Surface finish	Pack. pcs	Weight kg/100 pcs.	Item No.
8AWR	Electrogalvanised	10	0.610	**6288704**

St Steel

G Electrogalvanised

Protective conductor connection bracket to include steel and aluminium device installation trunking, service poles and system components of underfloor trunking systems in the protective measure.
Clamping area: 2 x 1.5 – 4 mm²

Always indicate the item number when ordering.

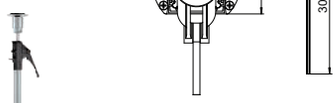
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Always indicate the item number when ordering.

Service pole, type ISSRM45





Type	Colour	Surface finish	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
ISSRM45EL	—	Anodised	3006	1	510.000	**6290087**
ISSRM45RW	Pure white	—	3006	1	510.000	**6290086**

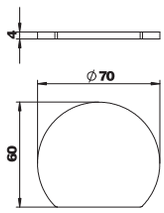
Alu Aluminium

EL Anodised

ISS aluminium service pole with a 45 mm system opening.
Set consists of:
1 one-compartment pole with clamping fastening
Total length: 3,315 - 3,480 mm
1 ceiling attachment with clamping device
1 aluminium cover
Length 3,000 mm
The design of this ISS service pole is based on an extremely slender, round aluminium profile, which has a smooth cover of the Rapid 45 device installation trunking series as its front side. The 45 mm system opening is suitable for direct acceptance of Modul 45 switch and connection devices.

Rubber support for ISSRM45





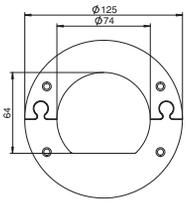
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
ISSRGU	Black	1	1.450	**6290178**

GUM Rubber

Rubber support for slip-free fastening of the floor-ceiling service pole ISSRM45.

Ceiling panel for ISSRM45





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
WAGRM45	Pure white	1	12.900	**6290264**

St Steel

Closed ceiling rosette for tidy closure of the ceiling gland of the service poles, type ISSRM45.

Always indicate the item number when ordering.

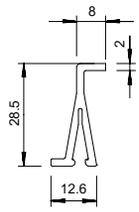
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Partition for trunking height 40 mm

Type	Colour	Length mm	Pack. m	Weight kg/100 m	Item No.
2371 40	Light grey	2000	60	13.500	**6023096**

PVC Polyvinylchloride

Partition to divide the WDK trunking, with 40 mm trunking height, and various ISS service poles for the installation of different voltage levels.





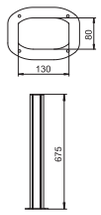
Service pole, type ISSDHSM45

Type	Colour	Surface finish	Pack. pcs	Weight kg/100 pcs.	Item No.
ISSDHSM45RW	Pure white	—	1	281.500	**6289980**
ISSDHSM45EL	—	Anodised	1	281.500	**6289982**

Alu Aluminium

EL Anodised

ISS service pole made from aluminium with 45 mm system opening for the direct installation of Modul 45 switchingand connection devices.
Pole consists of:
1 two-compartment pole with stand
Total length 670 mm
2 aluminium covers
Length 670 mm
The design of this service pole is based on an extremely narrow, oval aluminium profile which shows on both narrow sides of the oval a cover of the Rapid 45 device installation trunking series. The 45 mm system opening is suitable for direct acceptance of Modul 45 switch and connection devices. The installation area is theoretically sufficient for 2 x 14 Modul 45 devices. If Modul 45 connect is used or in the case of cabling requiring a lot of space, the number of the max. installable devices is reduced. There is the option to install a partition, type 2371/40 (6023096).



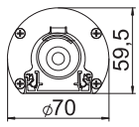


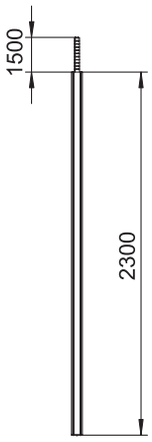
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Always indicate the item number when ordering.

Service pole, type ISSRM45F







Type	Colour	Surface finish	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
ISSRM45FRW	Pure white	—	2306	1	380.000	**6290095**
ISSRM45FEL	—	Anodised	2306	1	380.000	**6290097**

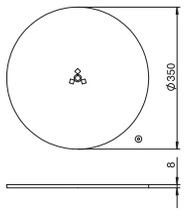
Alu Aluminium

EL Anodised

ISS aluminium service pole with a flexible hose to the ceiling and a 45 mm system opening.
Set consists of:
1 one-compartment pole with flexible hose to ceiling
Total length: 2,300 mm
1 flexible hose, length: 1,500 mm
1 aluminium cover
Length: 2,300 mm
The design of this ISS service pole is based on an extremely slender, round aluminium profile, which has a smooth cover of the Rapid 45 device installation trunking series as its front side. The 45 mm system opening is suitable for direct acceptance of Modul 45 switch and connection devices.
The floor plate as a stand, type SFISSF, and the hose connection to the ceiling, type SAISSF, should be ordered separately (see items below).

Floor plate for ISSRM45F





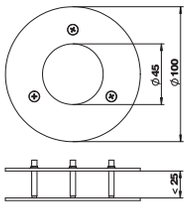
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
SFISSFRW	Pure white	1	600.000	**6290196**
SFISSFWAL	White aluminium	1	600.000	**6290197**

St Steel

Floor plate as stand for service poles with hose to ceiling, type ISS110100F, 140100F and ISSRM45F.

Ceiling panel for ISSRM45F





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DAB-F RW	Pure white	1	20.700	**6290269**

St Steel

Ceiling rosette for tidy closure of the penetration of the flexible hose in the ceiling.

Always indicate the item number when ordering.

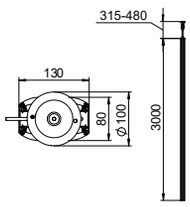
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Service pole, type ISSDM45

Type	Colour	Surface finish	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
ISSDM45EL	—	Anodised	3009	1	1,172.000	**6289972**
ISSDM45RW	Pure white	—	3009	1	1,172.000	**6289970**

Alu Aluminium

EL Anodised



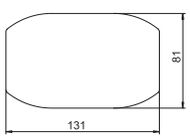
ISS aluminium service pole with a 45 mm system opening.
Set consists of:
1 two-compartment pole with clamping fastening
Total length: 3,315 - 3,480 mm
1 ceiling attachment with clamp
2 aluminium covers, length 3,000 mm
The clamp which is attached to the top of the ISS service pole can be variably adjusted from 300 to 500 mm. Possible colour options are aluminium anodised or pure white. The pole is based on a slender, oval aluminium profile. There are two 45 mm system openings on opposite sides for direct installation of Module 45 devices.

Rubber support for ISSDM45R

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
ISSGUDM45	Black	1	4.600	**6290372**

GUM Rubber

Rubber support for slip-free fastening of the floor-ceiling service pole, type ISSDM45.



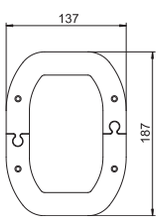


Ceiling panel for ISSDM45R

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
WAGDM45	Pure white	1	46.800	**6290387**

St Steel

Ceiling rosette for tidy closure of the pole penetration, type ISSDM45, in the ceiling.

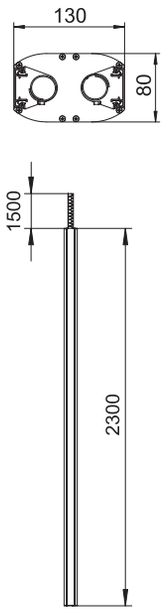


Always indicate the item number when ordering.

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Service pole, type ISSDM45F





Type	Colour	Surface finish	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
ISSDM45FRW	Pure white	—	2306	1	871.000	**6289974**
ISSDM45FEL	—	Anodised	2306	1	871.000	**6289976**

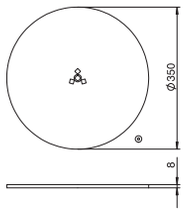
Alu Aluminium

EL Anodised

ISS aluminium service pole with a 45 mm system opening.
Set consists of:
1 two-compartment pole with two flexible hoses to the ceiling
Total length of the aluminium profile: 2,300 mm
2 aluminium covers, length 2,300 mm
Colour options are pure white or aluminium anodised. There are two 45 mm system openings on opposite sides for direct installation of Module 45 devices. The floor plate as a stand, type SFISSF, and the hose connection to the ceiling, type SAISSF, should be ordered separately (see articles below).

Floor plate for ISSRM45F





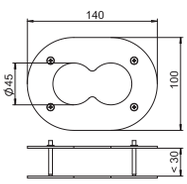
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
SFISSFRW	Pure white	1	600.000	**6290196**
SFISSFWAL	White aluminium	1	600.000	**6290197**

St Steel

Floor plate as stand for service poles with hose to ceiling, type ISS110100F, 140100F and ISSRM45F.

Ceiling panel for ISSDM45F





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DAB-2F	Pure white	1	27.100	**6290382**

St Steel

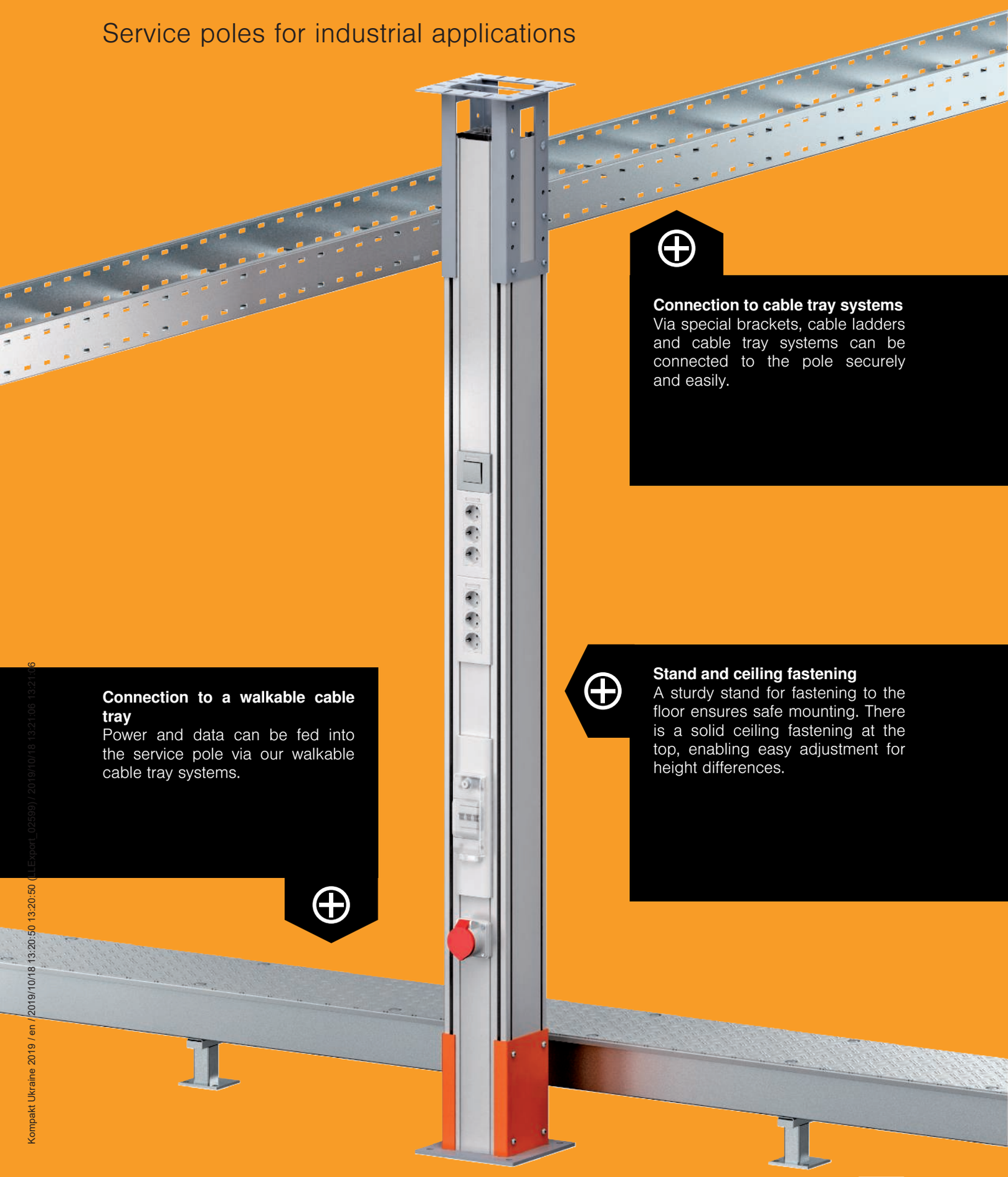
Ceiling rosette for tidy closure of the penetration of the flexible hoses in the ceiling.

Always indicate the item number when ordering.

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Perfect connection to the building and the electrical infrastructure

Service poles for industrial applications



Connection to cable tray systems
Via special brackets, cable ladders and cable tray systems can be connected to the pole securely and easily.

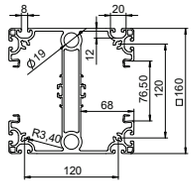
Stand and ceiling fastening
A sturdy stand for fastening to the floor ensures safe mounting. There is a solid ceiling fastening at the top, enabling easy adjustment for height differences.

Connection to a walkable cable tray
Power and data can be fed into the service pole via our walkable cable tray systems.

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Industrial pole profile, type ISS160160IP4





Type	Surface finish	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
ISS160160IP4 EL	Anodised	4130	1	4,055.000	**6290404**

Alu Aluminium

EL Anodised

ISS service pole for the equipment of assembly workstations in production sites. The anodised heavy-duty aluminium profile has a 76.5 mm system opening on two opposite sides for accepting front-locking mounting accessory boxes of the series 71GD or mounting supports of the series 71MT. All four sides of the profile have a mounting groove in the standard nominal size 8 for installing various expansion parts for additional functions (Building Kit Systems). The scope of delivery comprises the pole profile as well as the necessary covers for the system openings in 2,000 mm lengths and a PE bag with 20 additional locking brackets, type RKV3V, to enable you to create partial lengths of the covers. Two closed trunking channels inside the profile are ideal for conduction of compressed air.

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Always indicate the item number when ordering.

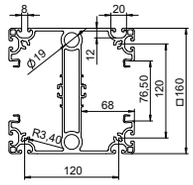
Industrial service pole, type ISS160160IP6

Type	Surface finish	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
ISS160160IP6 EL	Anodised	6130	1	6,020.000	**6290406**

Alu Aluminium

EL Anodised

ISS service pole for the equipment of assembly workstations in production sites. The anodised heavy-duty aluminium profile has a 76.5 mm system opening on two opposite sides for accepting front-locking mounting accessory boxes of the series 71GD or mounting supports of the series 71MT. All four sides of the profile have a mounting groove in the standard nominal size 8 for installing various expansion parts for additional functions (Building Kit Systems). The scope of delivery comprises the pole profile as well as the necessary covers for the system openings in 2,000 mm lengths and a PE bag with 20 additional locking brackets, type RKV3V, to enable you to create partial lengths of the covers. Two closed trunking channels inside the profile are ideal for conduction of compressed air.



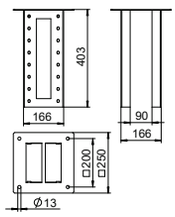


Ceiling fastening for service poles

Type	Colour	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
ISS160160DB WA	White aluminium	403	1	443.600	**6290436**

St Steel

Ceiling fastening for fixing the ISS service pole to the ceiling. The scope of delivery comprises of two U-shaped profiles made from 3 mm sheet steel, the fastening plate for the ceiling and the required installation accessories, including the groove rail. The ceiling fastening can be height-adjusted on the pole profile.



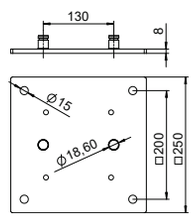


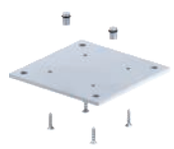
Floor plate for industrial pole

Type	Colour	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
ISS160160BP	White aluminium	250	1	382.000	**6290416**

St Steel

Plate to fasten the ISS industrial pole to the floor. The scope of delivery comprises of four fastening screws to mount the floor plate onto the pole profile and two sealing plugs to make the compressed air channels airtight.



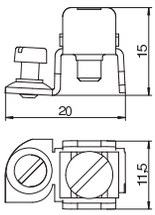


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Always indicate the item number when ordering.

Protective conductor connection bracket





Type	Surface finish	Pack. pcs	Weight kg/100 pcs.	Item No.
8AWR	Electrogalvanised	10	0.610	**6288704**

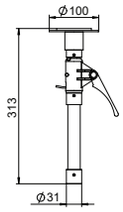
St Steel

G Electrogalvanised

Protective conductor connection bracket to include steel and aluminium device installation trunking, service poles and system components of underfloor trunking systems in the protective measure.
Clamping area: 2 x 1.5 – 4 mm²

Clamping device





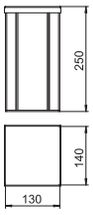
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
ISSDV	–	1	70.000	**6290189**

Clamping device for tensioning the floor-ceiling service poles against the ceiling. The area for height adjustment lies between 313 mm (basis length) and 480 mm.

Aluminium floor service poles

Service pole, type ISSHS140250





Type	Colour	Surface finish	Number of compartments pc.	Pack. pcs	Weight kg/100 pcs.	Item No.
ISSHS140250RW	Pure white	–	2	1	175.000	**6290020**
ISSHS140250EL	–	Anodised	2	1	175.000	**6290023**

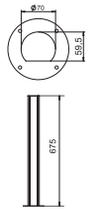
Alu Aluminium

EL Anodised

ISS aluminium service pole, 2-compartment, with a 76.5 mm system opening.
Empty, equippable with standard devices (socket, telephone, etc.), max. 4 devices.
Direct fastening on floor possible. Accessory mounting boxes to be ordered separately.
The service pole is suitable for accepting front locking accessory mounting boxes of the series 71GD.... The installation of a partition of type GA-TW (6279711) and the installation of the cover clip, type KL80A, are possible as an option.

Service pole, type ISSRHSM45





Type	Colour	Surface finish	Number of compartments pc.	Pack. pcs	Weight kg/100 pcs.	Item No.
ISSRHSM45RW	Pure white	–	1	1	135.000	**6290090**
ISSRHSM45EL	–	Anodised	1	1	135.000	**6290091**

Alu Aluminium

EL Anodised

ISS aluminium service pole with a 45 mm system opening for direct installation of Modul 45 switching and connection devices.
Pole consists of:
1 one-compartment pole with stand
Total length: 670 mm
1 aluminium column
Length: 670 mm
The design of this ISS service pole is based on an extremely slim, round aluminium profile, which shows a smooth cover of the Rapid 45 device installation trunking series on the front side. The 45 mm system opening is suitable for direct fitting of Modul 45 switching and connection devices. The installation compartment is theoretically sufficient for 14 Modul 45 devices. If Modul 45 connect is used or in the case of cabling requiring a lot of space, the number of the max. installable devices is reduced. The installation of a partition, type 2371/40 (6023096), is possible as an option.

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Modul 45®
Protective contact and earthing pin sockets



Modul 45®
Country-specific sockets



Modul 45®
Switching and protection devices



Modul 45®
Data technology

Modul 45®
Multimedia technology









Always indicate the item number when ordering.

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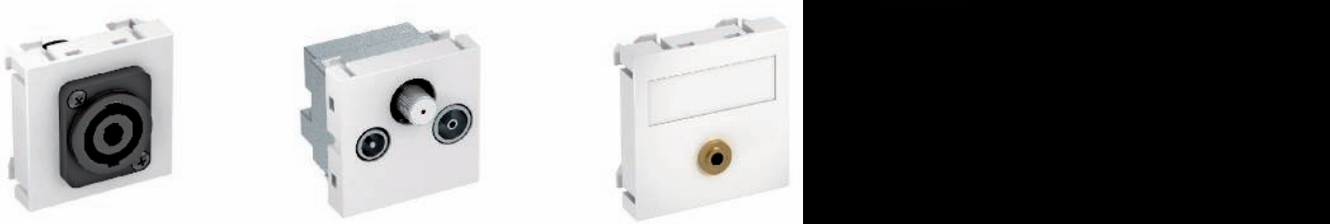












Modul 45®

One system – many solutions

The Modul 45 devices from OBO Bettermann offer the right solution for every application – no matter whether you're dealing with sockets, data or multimedia technology.

- Multiple sockets for economic device installation
- Sockets for international applications
- Modul 45connect sockets for quick, secure installation
- Data technology supports for data modules of different manufacturers
- Multimedia connection solutions for data, video and audio transmission

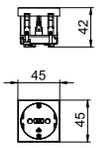
Kompakt Ukraine 2019 / en / 2019/10/18 13:20:50 13:20:50 (LLExport_02599) / 2019/10/18 13:21:06 13:21:06



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Always indicate the item number when ordering.

Socket 0°, protective contact, single



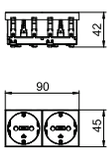


Type	STD-D0 RW1	STD-D0 ROR1	STD-D0 MZGN1	STD-D0 SRO1	STD-D0 SWGR1	STD-D0 AL1
Colour	Pure white	Pure orange	Mint green	Signal red	Black-grey	Aluminium painted
Pack. pcs	1	1	1	1	1	1
Weight kg/100 pcs.	4.200	4.200	4.200	4.200	4.200	4.200
Item No.	**6120008**	**6120010**	**6120012**	**6120014**	**6120016**	**6120018**

PC Polycarbonate

Protective contact socket single 0°, with increased touch protection, with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.

Socket 0°, protective contact, double



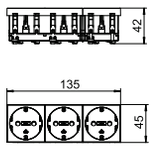


Type	STD-D0 RW2	STD-D0 ROR2	STD-D0 MZGN2	STD-D0 SRO2	STD-D0 SWGR2	STD-D0 AL2
Colour	Pure white	Pure orange	Mint green	Signal red	Black-grey	Aluminium painted
Pack. pcs	1	1	1	1	1	1
Weight kg/100 pcs.	8.000	8.000	8.000	8.000	8.000	8.000
Item No.	**6120022**	**6120024**	**6120026**	**6120028**	**6120030**	**6120032**

PC Polycarbonate

Protective contact socket double 0°, with increased touch protection, with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.

Socket 0°, protective contact, triple





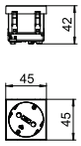
Type	STD-D0 RW3	STD-D0 ROR3	STD-D0 MZGN3	STD-D0 SRO3	STD-D0 SWGR3	STD-D0 AL3
Colour	Pure white	Pure orange	Mint green	Signal red	Black-grey	Aluminium painted
Pack. pcs	1	1	1	1	1	1
Weight kg/100 pcs.	12.200	12.200	12.200	12.200	12.200	12.200
Item No.	**6120042**	**6120044**	**6120046**	**6120048**	**6120050**	**6120052**

PC Polycarbonate

Protective contact socket triple 0°, with increased touch protection, with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.

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Socket 33°, protective contact, single



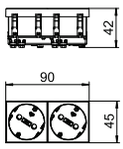


Type	STD-D3 RW1	STD-D3 ROR1	STD-D3 MZGN1	STD-D3 SRO1	STD-D3 SWGR1	STD-D3 AL1
Colour	Pure white	Pure orange	Mint green	Signal red	Black-grey	Aluminium painted
Pack. pcs	1	1	1	1	1	1
Weight kg/100 pcs.	4.000	4.000	4.000	4.000	4.000	4.000
Item No.	**6120072**	**6120074**	**6120076**	**6120078**	**6120080**	**6120082**

PC Polycarbonate

Protective contact socket single 33°, with increased touch protection, with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.

Socket 33°, protective contact, double



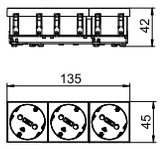


Type	STD-D3 RW2	STD-D3 ROR2	STD-D3 MZGN2	STD-D3 SRO2	STD-D3 SWGR2	STD-D3 AL2
Colour	Pure white	Pure orange	Mint green	Signal red	Black-grey	Aluminium painted
Pack. pcs	1	1	1	1	1	1
Weight kg/100 pcs.	7.800	7.800	7.800	7.800	7.800	7.800
Item No.	**6120102**	**6120104**	**6120106**	**6120108**	**6120110**	**6120112**

PC Polycarbonate

Protective contact socket double 33°, with increased touch protection, with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.

Socket 33°, protective contact, triple





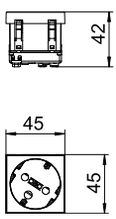
Type	STD-D3 RW3	STD-D3 ROR3	STD-D3 MZGN3	STD-D3 SRO3	STD-D3 SWGR3	STD-D3 AL3
Colour	Pure white	Pure orange	Mint green	Signal red	Black-grey	Aluminium painted
Pack. pcs	1	1	1	1	1	1
Weight kg/100 pcs.	11.000	11.000	11.000	11.000	11.000	11.000
Item No.	**6120122**	**6120124**	**6120126**	**6120128**	**6120130**	**6120132**

PC Polycarbonate

Protective contact socket triple 33°, with increased touch protection, with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.

Socket 33°, protective contact, encoded version, single





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
STD-D3K SRO1	Signal red	1	4.000	**6120302**

PC Polycarbonate

Power socket single 33°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.
The socket can only be used in conjunction with an encoding pin, type CST-STD.
Note: The encoding pin is not contained in the scope of supply.

Always indicate the item number when ordering.

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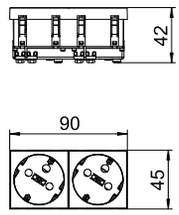
Socket 33°, protective contact, encoded version, double

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
STD-D3K SRO2	Signal red	1	7.700	**6120304**

PC Polycarbonate

Power socket double 33°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.
The socket can only be used in conjunction with an encoding pin, type CST-STD.

Note: The encoding pin is not contained in the scope of supply.





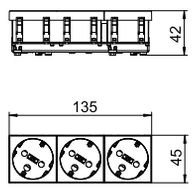
Socket 33°, protective contact, encoded version, triple

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
STD-D3K SRO3	Signal red	1	11.000	**6120306**

PC Polycarbonate

Power socket triple 33°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.
The socket can only be used in conjunction with an encoding pin, type CST-STD.

Note: The encoding pin is not contained in the scope of supply.



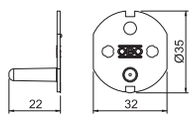


Encoding pin

Type	Colour	Pack. pcs	Item No.
CST-STD K	Black-grey	10	**6120797**

PC Polycarbonate

Encoding pin as socket attachment for the use of encoded sockets, type STD.



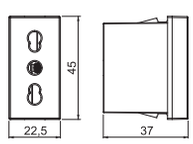


Socket 0°, Italy, single

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
STD-IT0 RW0.5	Pure white	1	2.600	**6120746**

PC Polycarbonate

Socket, single 0°, Italy P17/11, with increased touch protection, with screw terminals, 2-pin, 16 A, 250 V~.



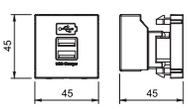


USB charging device

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-2UC2.1 RW1	Pure white	1	5.500	**6105300**
MTG-2UC2.1 SWGR1	Black-grey	1	5.500	**6105302**
MTG-2UC2.1 AL1	Aluminium painted	1	5.500	**6105304**

PC Polycarbonate

USB charging device with two USB type A sockets, for charging 1–2 mobile devices, maximum charging current 1 x 2,100 mA or 2 x 1,050 mA.



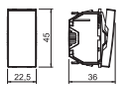


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Always indicate the item number when ordering.

One-way/changeover switch, 1/2 module





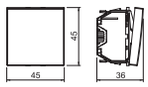
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
WS-UB RW0.5	Pure white	1	1.800	**6120920**
WS-UB SWGR0.5	Black-grey	1	1.800	**6120922**
WS-UB AL0.5	Aluminium painted	1	1.800	**6120924**

PC Polycarbonate

Changeover switch 1-pin, 10 A, 250 V~, with screwless terminals.

One-way/changeover switch, 1 module





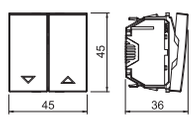
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
WS-UB RW1	Pure white	1	2.600	**6120932**
WS-UB SWGR1	Black-grey	1	2.600	**6120934**
WS-UB AL1	Aluminium painted	1	2.300	**6120936**

PC Polycarbonate

Changeover switch 1-pin, 10 A, 250 V~, with screwless terminals.

Roller blind switch, 1 module





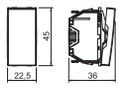
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
RS-BS RW1	Pure white	1	3.700	**6120950**
RS-BS SWGR1	Black-grey	1	3.700	**6120952**
RS-BS AL1	Aluminium painted	1	3.700	**6120954**

PC Polycarbonate

Roller blind switch with electrical and mechanical lock, 1-pin, 10 A, 250 V~, with screwless terminals.

Changeover switch, 1/2 module





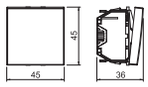
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
TA-WB RW0.5	Pure white	1	1.800	**6120960**
TA-WB SWGR0.5	Black-grey	1	1.800	**6120962**
TA-WB AL0.5	Aluminium painted	1	1.800	**6120964**

PC Polycarbonate

Changeover switch, 1-pin, 10 A, 250 V~, with screwless terminals.

Changeover switch, 1 module





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
TA-WB RW1	Pure white	1	3.300	**6120966**
TA-WB SWGR1	Black-grey	1	3.300	**6120968**
TA-WB AL1	Aluminium painted	1	3.300	**6120970**

PC Polycarbonate

Changeover switch, 1-pin, 10 A , 250 V~, with screwless terminals.

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Selection aid – installation of data technology modules from different manufacturers

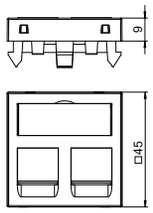
Manufacturer	Data technology module	Data technology support
3M	Volition K6	Type C (without dust protection slider)
3M	Volition CAT6A	Type C (without dust protection slider)
AMP/Tyco	SL Series 110Connect (without dust protection flap)	Type A
AMP/Tyco	SL Series Toolless (without dust protection flap)	Type A
Avaya/Systimax	M series	Type F
Brand-Rex	Modules with the item number ending ...JAKS000CR	Type A
Brand-Rex	Modules with the item number ending ...JAKU002	Type A
BTR Netcom	Cat.6A Modul (Keystone design)	Type C
BTR Netcom	UTP Modul (Keystone design)	Type C
BTR Netcom	Cat.6A Modul (module design)	Type B
BTR Netcom	E-DAT Modul (module design)	Type B
BTR Netcom	UAE Modul (module design)	Type B
CobiNet	CobiDat KS	Type C
Corning	Modules with Keystone retainer	Type C
Dätwyler Cables	MS module	Type B
Dätwyler Cables	MS-N module	Type B
Dätwyler Cables	KS-T and KS-TS module	Type C
Dätwyler Cables	MS-K module	Type C
Dätwyler Cables	KU-T module	Type C
EKU	E-Stone module	Type C
Harting	Prelink RJ45 Keystone module Cat.6A	Type C
Harting	Fixlink RJ45 Keystone module Cat.6A	Type C
Komos	KDM 500 module	Type C
Leoni Kerpen	VarioKeystone, Cat. 6A socket module	Type B
Leoni Kerpen	MegaLine Connect100, socket module Cat. 6A and 8C7A	Type B
Leoni Kerpen	MegaLine Connect45, Keystone socket module	Type C
Leoni Kerpen	MegaLine Connect45, ELine	Type EP
Lexcom/Schneider	LexCom 125	Type LE
Lexcom/Schneider	LexCom 250	Type LE
Lexcom/Schneider	LexCom 500	Type LE
Nexans	LANmark RJ45 with blue adapter clip	Type A
Nexans	LANmark GG45 with metal clip	Type A
OBO Bettermann	Connection module, type ASM-C6A	Type C
OBO Bettermann	Connection module, type ASM-C6A G	Type C
OBO Bettermann	Connection module, type ASM-C5	Type RM
OBO Bettermann	Connection module, type ASM-C5 G	Type RM
OBO Bettermann	Connection module, type ASM-C6	Type RM
OBO Bettermann	Connection module, type ASM-C6 G	Type RM
Panduit	Mini-Com	Type PA
R&M	Cat. 6A module with Keystone fastening	Type C
R&M	Cat. 5 and Cat. 6 modules without support plate	Type RM
Rutenbeck	UM module	Type C
Rutenbeck	Umflex module	Type C
SETEC	UKJ module	Type C
SETEC	XKJ module	Type C
Telegärtner	AMJ module	Type C
Telegärtner	UMJ module	Type C

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Always indicate the item number when ordering.

Data technology support, 1 module, straight outlet, type RM





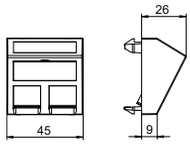
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTG-2RM RW1	Pure white	1	1.100	**6119292**
DTG-2RM SWGR1	Black-grey	1	1.100	**6119294**
DTG-2RM AL1	Aluminium painted	1	1.100	**6119296**

PC Polycarbonate

The type RM data technology support is suitable for accepting the following data connection modules: Types ASM-C5, ASM-C5 G, ASM-C6 and ASM-C6 G; R&M: Cat.5 and Cat.6 modules without support plate.

Data technology support, 1 module, slanting outlet, type RM





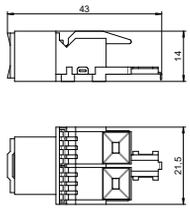
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTS-2RM RW1	Pure white	1	2.900	**6119298**
DTS-2RM SWGR1	Black-grey	1	2.900	**6119300**
DTS-2RM AL1	Aluminium painted	1	2.900	**6119302**

PC Polycarbonate

The type RM data technology support is suitable for accepting the following data connection modules: Types ASM-C5, ASM-C5 G, ASM-C6 and ASM-C6 G; R&M: Cat.5 and Cat.6 modules without support plate.

RJ45 data connection module, Cat. 5e, unshielded



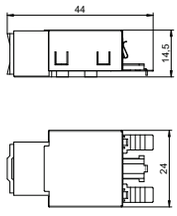


Type	Pack. pcs	Weight kg/100 pcs.	Item No.
ASM-C5	1	1.120	**6117337**

Connection module Cat. 5e unshielded, with a RJ 45 slot. Including a dust cover, a cable tie and mounting instructions. Suitable for installation in data technology supports of type DTG-2RM and DTS-2RM.

RJ45 data connection module, Cat. 5e, shielded



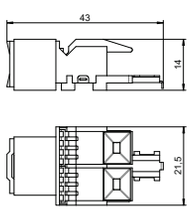


Type	Pack. pcs	Weight kg/100 pcs.	Item No.
ASM-C5 G	1	2.660	**6117325**

Connection module Cat. 5e shielded, with a RJ 45 slot. Includes an EMC screen hood, a dust cover, a cable tie and mounting instructions. Suitable for installation in data technology supports of type DTG-2RM and DTS-2RM.

RJ45 data connection module, Cat. 6, unshielded



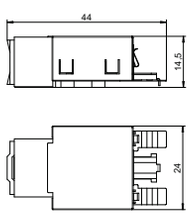


Type	Pack. pcs	Weight kg/100 pcs.	Item No.
ASM-C6	1	1.060	**6117341**

Connection module Cat. 6 unshielded, with a RJ 45 slot. Including a dust cover, a cable tie and mounting instructions. Suitable for installation in data technology supports of type DTG-2RM and DTS-2RM.

RJ45 data connection module, Cat. 6, shielded





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
ASM-C6 G	1	1.850	**6117329**

Connection module Cat. 6 shielded, with a RJ 45 slot. Includes an EMC screen hood, a dust cover, a cable tie and mounting instructions. Suitable for installation in data technology supports of type DTG-2RM and DTS-2RM.

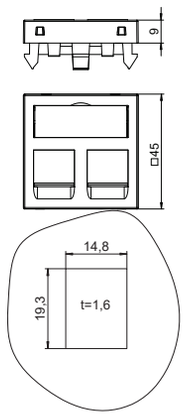
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Data technology support, 1 module, straight outlet, type C

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTG-2C RW1	Pure white	1	1.100	**6119214**
DTG-2C SWGR1	Black-grey	1	1.100	**6119216**
DTG-2C AL1	Aluminium painted	1	1.100	**6119218**

PC Polycarbonate

The type C data technology support is suitable for accepting the following data connection modules: BTR (Keystone design): Cat. 6A module and UAE module; Corning: modules with Keystone seat; CobiNet: CobiDat KS module; Dätwyler: KS-T, KS-TS, MS-K and KU-T; EKU: E-Stone; Harting: Prelink Keystone Cat. 6A; Fixlink Keystone Cat. 6A; Komos: KDM 500 module; Leoni Kerpen: MegaLine-Connect45 Keystone socket modules; OBO: Type ASM-C6A and ASM-C6A G; R&M: Cat. 6A with Keystone fastening; Rutenbeck: UM and UMflex; SETEC: UKJ and XKJ; Telegärtner: AMJ and UMJ.



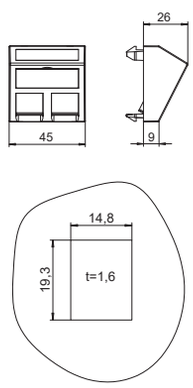


Data technology support, 1 module, slanting outlet, type C

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTS-2C RW1	Pure white	1	1.500	**6119250**
DTS-2C SWGR1	Black-grey	1	1.500	**6119252**
DTS-2C AL1	Aluminium painted	1	1.500	**6119254**

PC Polycarbonate

The type C data technology support is suitable for accepting the following data connection modules: BTR (Keystone design): Cat. 6A module and UAE module; Corning: modules with Keystone seat; CobiNet: CobiDat KS module; Dätwyler: KS-T, KS-TS, MS-K and KU-T; EKU: E-Stone; Harting: Prelink Keystone Cat. 6A; Fixlink Keystone Cat. 6A; Komos: KDM 500 module; Leoni Kerpen: MegaLine-Connect45 Keystone socket modules; OBO: Type ASM-C6A and ASM-C6A G; R&M: Cat. 6A with Keystone fastening; Rutenbeck: UM and UMflex; SETEC: UKJ and XKJ; Telegärtner: AMJ and UMJ.

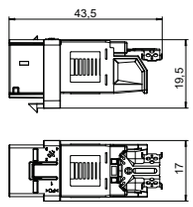




Connection module Cat. 6A, unshielded, snap-in

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
ASM-C6A	1	1.050	**6117348**

Connection module Cat. 6A (ISO) unshielded, with an RJ45 slot. Including a dust cover, a cable tie, a Keystone fastening frame and mounting instructions. Suitable for installation in the data technology supports of type DTG-2C and DTS-2C, support plate of type MTM 2C and MTM 3C, mounting plate of type MPR2 2C, mounting supports of type MTGE2 2C, MTGE2 15 2C and MTGE2 F 2C.

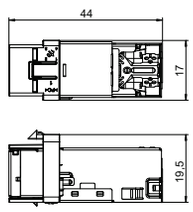




Connection module Cat. 6A, shielded, snap-in

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
ASM-C6A G	1	1.630	**6117346**

Connection module Cat. 6A (ISO) shielded, with an RJ45 slot. Including an EMC screen hood, a dust cover, a cable tie, a Keystone fastening frame and mounting instructions. Suitable for installation in the data technology supports of type DTG-2C and DTS-2C, support plate of type MTM 2C and MTM 3C, mounting plate of type MPR2 2C, mounting supports of type MTGE2 2C, MTGE2 15 2C and MTGE2 F 2C.



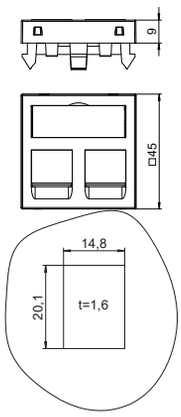


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Always indicate the item number when ordering.

Data technology support, 1 module, straight outlet, type A





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTG-2A RW1	Pure white	1	1.100	**6119202**
DTG-2A SWGR1	Black-grey	1	1.100	**6119204**
DTG-2A AL1	Aluminium painted	1	1.100	**6119206**

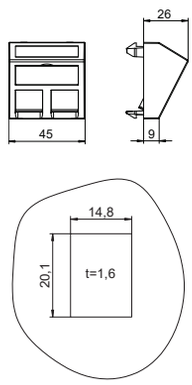
PC Polycarbonate

Data technology support with straight outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type A has a mounting opening of 20.10 x 14.80 mm and is designed for direct fastening of the data connection modules in the mounting opening.

The Type A data technology support is suitable for accepting the following data connection modules: AMP TYCO (without dust protection cap): SL Series 110Connect and SL Series Toolless; Brand-Rex: modules with item numbers ending in …JAKS000CR and …JAKU002; Nexans: LANmark RJ45 with blue adapter clip, LANmark GG45 with metal clip.

Data technology support, 1 module, slanting outlet, type A





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTS-2A RW1	Pure white	1	2.000	**6119238**
DTS-2A SWGR1	Black-grey	1	1.500	**6119240**
DTS-2A AL1	Aluminium painted	1	1.500	**6119242**

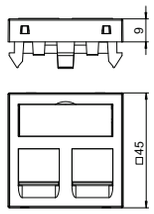
PC Polycarbonate

Data technology support with slanting outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type A has a mounting opening of 20.10 x 14.80 mm and is designed for direct fastening of the data connection modules in the mounting opening.

The Type A data technology support is suitable for accepting the following data connection modules: AMP TYCO (without dust protection cap): SL Series 110Connect and SL Series Toolless; Brand-Rex: modules with item numbers ending in …JAKS000CR and …JAKU002; Nexans: LANmark RJ45 with blue adapter clip, LANmark GG45 with metal clip.

Data technology support, 1 module, straight outlet, type B





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTG-2B RW1	Pure white	1	1.100	**6119208**
DTG-2B SWGR1	Black-grey	1	1.100	**6119210**
DTG-2B AL1	Aluminium painted	1	1.100	**6119212**

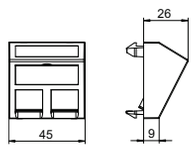
PC Polycarbonate

Data technology support with straight outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type B has a mounting opening of 19.35/21.55 x 14.85 mm and is designed for direct fastening of the data connection modules in the mounting opening.

The type B data technology support is suitable for accepting the following data connection modules: BTR (module design): Cat. 6A Modul, E-DAT module and UAE module; Dätwyler: MS and MS-N, Leoni Kerpen: VarioKeystone socket module Cat. 6A and MegaLine-Connect100 socket module Cat. 6A and 8C7A.

Data technology support, 1 module, slanting outlet, type B





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTS-2B RW1	Pure white	1	1.500	**6119244**
DTS-2B SWGR1	Black-grey	1	1.500	**6119246**
DTS-2B AL1	Aluminium painted	1	1.500	**6119248**

PC Polycarbonate

Data technology support with slanting outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type B has a mounting opening of 19.35/21.55 x 14.85 mm and is designed for direct fastening of the data connection modules in the mounting opening.

The type B data technology support is suitable for accepting the following data connection modules: BTR (module design): Cat. 6A Modul, E-DAT module and UAE module; Dätwyler: MS and MS-N, Leoni Kerpen: VarioKeystone socket module Cat. 6A and MegaLine-Connect100 socket module Cat. 6A and 8C7A.

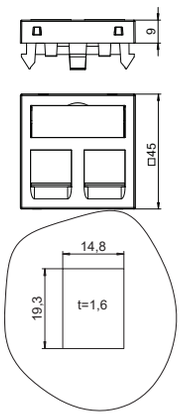
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Data technology support, 1 module, straight outlet, type C

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTG-2C RW1	Pure white	1	1.100	**6119214**
DTG-2C SWGR1	Black-grey	1	1.100	**6119216**
DTG-2C AL1	Aluminium painted	1	1.100	**6119218**

PC Polycarbonate





Data technology support with straight outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type C has a mounting opening of 19.30 x 14.80 mm and is designed for direct fastening of the data connection modules in the mounting opening.

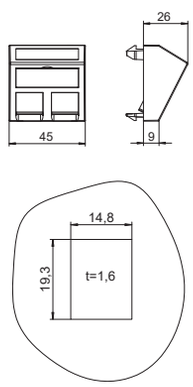
The type C data technology support is suitable for accepting the following data connection modules: BTR (Keystone design): Cat. 6A module and UAE module; Corning: modules with Keystone seat; CobiNet: CobiDat KS module; Dätwyler: KS-T, KS-TS, MS-K and KU-T; EKU: E-Stone; Harting: Prelink Keystone Cat. 6A; Fixlink Keystone Cat. 6A; Komos: KDM 500 module; Leoni Kerpen: MegaLine-Connect45 Keystone socket modules; OBO: Type ASM-C6A and ASM-C6A G; R&M: Cat. 6A with Keystone fastening; Rutenbeck: UM and UMflex; SETEC: UKJ and XKJ; Telegärtner: AMJ and UMJ.

Data technology support, 1 module, slanting outlet, type C

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTS-2C RW1	Pure white	1	1.500	**6119250**
DTS-2C SWGR1	Black-grey	1	1.500	**6119252**
DTS-2C AL1	Aluminium painted	1	1.500	**6119254**

PC Polycarbonate





Data technology support with slanting outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type C has a mounting opening of 19.30 x 14.80 mm and is designed for direct fastening of the data connection modules in the mounting opening.

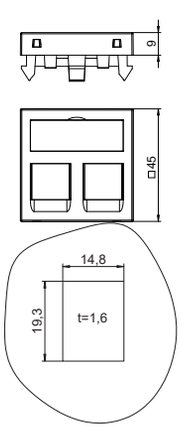
The type C data technology support is suitable for accepting the following data connection modules: BTR (Keystone design): Cat. 6A module and UAE module; Corning: modules with Keystone seat; CobiNet: CobiDat KS module; Dätwyler: KS-T, KS-TS, MS-K and KU-T; EKU: E-Stone; Harting: Prelink Keystone Cat. 6A; Fixlink Keystone Cat. 6A; Komos: KDM 500 module; Leoni Kerpen: MegaLine-Connect45 Keystone socket modules; OBO: Type ASM-C6A and ASM-C6A G; R&M: Cat. 6A with Keystone fastening; Rutenbeck: UM and UMflex; SETEC: UKJ and XKJ; Telegärtner: AMJ and UMJ.

Data technology support, 1 module, straight outlet, type C, without dust protection slider

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTG-02C RW1	Pure white	1	1.000	**6119280**
DTG-02C SWGR1	Black-grey	1	1.000	**6119282**
DTG-02C AL1	Aluminium painted	1	1.000	**6119284**

PC Polycarbonate





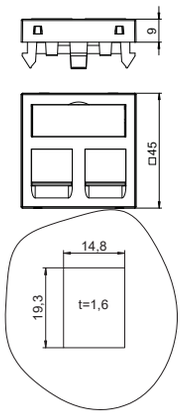
Data technology support with straight outlet and without a locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type C has a mounting opening of 19.30 x 14.80 mm and is designed for direct fastening of the data connection modules in the mounting opening.

The type C data technology support (without dust protection slider) is suitable for accepting the following data connection modules: 3M: Volition K6, K10 and Cat. 6A.

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Data technology support, 1 module, slanting outlet, type C, without dust protection slider





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTS-02C RW1	Pure white	1	1.400	**6119286**
DTS-02C SWGR1	Black-grey	1	1.400	**6119288**
DTS-02C AL1	Aluminium painted	1	1.400	**6119290**

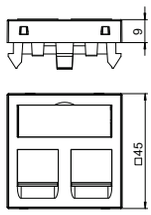
PC Polycarbonate

Data technology support with slanting outlet and without a locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type C has a mounting opening of 19.30 x 14.80 mm and is designed for direct fastening of the data connection modules in the mounting opening.

The type C data technology support (without dust protection slider) is suitable for accepting the following data connection modules: 3M: Volition K6, K10 and Cat. 6A.

Data technology support, 1 module, straight outlet, type EP





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTG-2EP RW1	Pure white	1	1.100	**6119232**
DTG-2EP SWGR1	Black-grey	1	1.100	**6119234**
DTG-2EP AL1	Aluminium painted	1	1.100	**6119236**

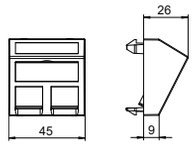
PC Polycarbonate

Data technology support with straight outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type EP has a special module seat and is designed for indirect fastening of the data connection modules in the mounting opening.

The type EP data technology support is suitable for accepting the following data connection modules: Leoni Kerpen: MegaLine-Connect45 ELine.

Data technology support, 1 module, slanting outlet, type EP





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTS-2EP RW1	Pure white	1	1.500	**6119268**
DTS-2EP SWGR1	Black-grey	1	1.500	**6119270**
DTS-2EP AL1	Aluminium painted	1	1.500	**6119272**

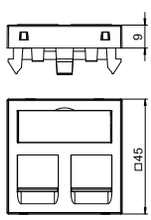
PC Polycarbonate

Data technology support with slanting outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type EP has a special module seat and is designed for indirect fastening of the data connection modules in the mounting opening.

The type EP data technology support is suitable for accepting the following data connection modules: Leoni Kerpen: The type EP data technology support is suitable for accepting the following data connection modules: Leoni Kerpen: MegaLine-Connect45 ELine.

Data technology support, 1 module, straight outlet, type F





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTG-2F RW1	Pure white	1	1.100	**6119220**
DTG-2F SWGR1	Black-grey	1	1.100	**6119222**
DTG-2F AL1	Aluminium painted	1	1.100	**6119224**

PC Polycarbonate

Data technology support with straight outlet and locking slider to accept two data technology connection modules. The locking fastening is suitable for horizontal and vertical installation in the system environment.

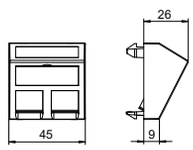
The type F data technology support is suitable for accepting the following data connection modules: Avaya/Systimax: M series.

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Data technology support, 1 module, slanting outlet, type F

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTS-2F RW1	Pure white	1	1.500	**6119256**
DTS-2F SWGR1	Black-grey	1	1.500	**6119258**
DTS-2F AL1	Aluminium painted	1	1.500	**6119260**

PC Polycarbonate





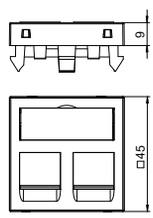
Data technology support with slanting outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type F has a special module seat and is designed for indirect fastening of the data connection modules in the mounting opening.

The type F data technology support is suitable for accepting the following data connection modules: Avaya/Systimax: M series.

Data technology support, 1 module, straight outlet, type PA

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTG-2PA RW1	Pure white	1	1.100	**6119226**
DTG-2PA SWGR1	Black-grey	1	1.100	**6119228**
DTG-2PA AL1	Aluminium painted	1	1.100	**6119230**

PC Polycarbonate





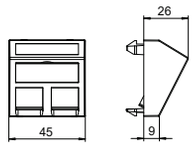
Data technology support with straight outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type PA has a special module seat and is designed for indirect fastening of the data connection modules in the mounting opening.

The type PA data technology support is suitable for accepting the following data connection modules: Panduit: Mini-Com.

Data technology support, 1 module, slanting outlet, type PA

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTS-2PA RW1	Pure white	1	1.500	**6119262**
DTS-2PA SWGR1	Black-grey	1	1.500	**6119264**
DTS-2PA AL1	Aluminium painted	1	1.500	**6119266**

PC Polycarbonate





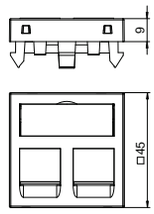
Data technology support with slanting outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type PA has a special module seat and is designed for indirect fastening of the data connection modules in the mounting opening.

The type PA data technology support is suitable for accepting the following data connection modules: Panduit: Mini-Com.

Data technology support, 1 module, straight outlet, type RM

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTG-2RM RW1	Pure white	1	1.100	**6119292**
DTG-2RM SWGR1	Black-grey	1	1.100	**6119294**
DTG-2RM AL1	Aluminium painted	1	1.100	**6119296**

PC Polycarbonate





Data technology support with straight outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type RM has a special module seat and is designed for indirect fastening of the data connection modules in the mounting opening.

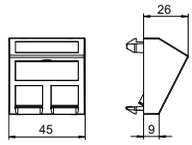
The type RM data technology support is suitable for accepting the following data connection modules: Types ASM-C5, ASM-C5 G, ASM-C6 and ASM-C6 G; R&M: Cat.5 and Cat.6 modules without support plate.

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Always indicate the item number when ordering.

Data technology support, 1 module, slanting outlet, type RM





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTS-2RM RW1	Pure white	1	2.900	**6119298**
DTS-2RM SWGR1	Black-grey	1	2.900	**6119300**
DTS-2RM AL1	Aluminium painted	1	2.900	**6119302**

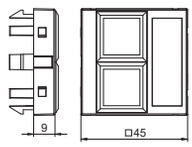
PC Polycarbonate

Data technology support with slanting outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type RM has a special module seat and is designed for indirect fastening of the data connection modules in the mounting opening.

The type RM data technology support is suitable for accepting the following data connection modules: Types ASM-C5, ASM-C5 G, ASM-C6 and ASM-C6 G; R&M: Cat.5 and Cat.6 modules without support plate.

Data technology support, 1 module, straight outlet, type LE





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTG-02LE RW1	Pure white	1	0.900	**6119304**
DTG-02LE SWGR1	Black-grey	1	0.900	**6119306**
DTG-02LE AL1	Aluminium painted	1	0.900	**6119308**

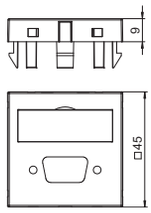
PC Polycarbonate

Data technology support with straight outlet and without a locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type LE has a special module seat and is designed for indirect fastening of the data connection modules in the mounting opening.

The type LE data technology support is suitable for accepting the following data connection modules: LexCom/Schneider: LexCom 125, LexCom 250 and LexCom 500.

Multimedia support for VGA / D-Sub9 plug connector, 1 module, straight outlet





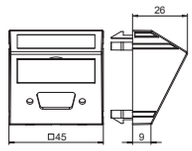
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-DB O RW1	Pure white	1	0.700	**6104706**
MTG-DB O SWGR1	Black-grey	1	0.700	**6104709**
MTG-DB O AL1	Aluminium painted	1	0.700	**6104712**

PC Polycarbonate

Multimedia support for a VGA / D-Sub9 plug connector, straight cable outlet, with labelling panel, without plug connector. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

Multimedia support for VGA / D-Sub9 plug connector, 1 module, slanting outlet





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-DB O RW1	Pure white	1	0.900	**6104718**
MTS-DB O SWGR1	Black-grey	1	0.900	**6104721**
MTS-DB O AL1	Aluminium painted	1	0.900	**6104724**

PC Polycarbonate

Multimedia support for a VGA / D-Sub9 plug connector, slanting cable outlet, with labelling panel, without plug connector. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

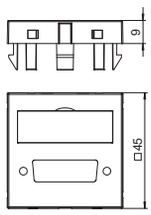
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Multimedia support for DVI plug connector, 1 module, straight outlet

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-DV O RW1	Pure white	1	0.700	**6104778**
MTG-DV O SWGR1	Black-grey	1	0.700	**6104781**
MTG-DV O AL1	Aluminium painted	1	0.700	**6104784**

PC Polycarbonate

Multimedia support for a DVI plug connector, straight cable outlet, with labelling panel, without plug connector. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



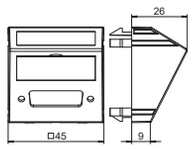


Multimedia support for DVI plug connector, 1 module, slanting outlet

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-DV O RW1	Pure white	1	0.900	**6104790**
MTS-DV O SWGR1	Black-grey	1	0.900	**6104793**
MTS-DV O AL1	Aluminium painted	1	0.900	**6104796**

PC Polycarbonate

Multimedia support for a DVI plug connector, slanting cable outlet, with labelling panel, without plug connector. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



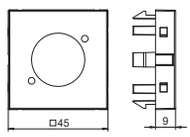


Multimedia support for SLR plug connector, 1 module, straight outlet

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-X O RW1	Pure white	1	0.600	**6105234**
MTG-X O SWGR1	Black-grey	1	0.600	**6105237**
MTG-X O AL1	Aluminium painted	1	0.600	**6105240**

PC Polycarbonate

Multimedia support for a XLR plug connector, straight cable outlet, without labelling panel, without plug connector. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



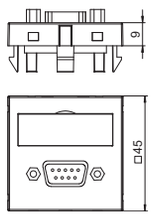


D-Sub9 connection, 1 module, straight outlet, as screw connection

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-DB9 S RW1	Pure white	1	2.400	**6104634**
MTG-DB9 S SWGR1	Black-grey	1	2.400	**6104637**
MTG-DB9 S AL1	Aluminium painted	1	2.400	**6104640**

PC Polycarbonate

Multimedia support with one D-Sub9 connection socket, straight cable outlet, with labelling panel, D-Sub9 socket (RS232) with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



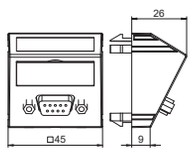


D-Sub9 connection, 1 module, slanting outlet, as screw connection

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-DB9 S RW1	Pure white	1	2.600	**6104646**
MTS-DB9 S SWGR1	Black-grey	1	2.600	**6104649**
MTS-DB9 S AL1	Aluminium painted	1	2.600	**6104652**

PC Polycarbonate

Multimedia support with one D-Sub9 connection socket, slanting cable outlet, with labelling panel, D-Sub9 socket (RS232) with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



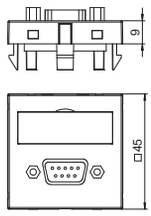


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Always indicate the item number when ordering.

D-Sub9 connection, 1 module, straight outlet, with connection cable





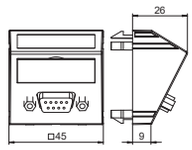
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-DB9 F RW1	Pure white	1	5.200	**6104682**
MTG-DB9 F SWGR1	Black-grey	1	5.200	**6104685**
MTG-DB9 F AL1	Aluminium painted	1	5.200	**6104688**

PC Polycarbonate

Multimedia support with one D-Sub9 connection socket, straight cable outlet, with labelling panel, short D-Sub9 connection cable (RS232), socket-socket version. Support with locking fastening, suitable for horizontal and vertical installation in the system environment.

D-Sub9 connection, 1 module, slanting outlet, with connection cable





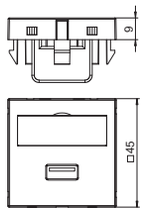
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-DB9 F RW1	Pure white	1	5.400	**6104694**
MTS-DB9 F SWGR1	Black-grey	1	5.400	**6104697**
MTS-DB9 F AL1	Aluminium painted	1	5.400	**6104700**

PC Polycarbonate

Multimedia support with one D-Sub9 connection socket, slanting cable outlet, with labelling panel, short D-Sub9 connection cable (RS232), socket-socket version. Support with locking fastening, suitable for horizontal and vertical installation in the system environment.

USB 2.0 / 3.0 connection, 1 module, straight outlet, as screw connection





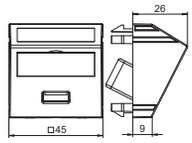
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-U3A S RW1	Pure white	1	2.500	**6104874**
MTG-U3A S SWGR1	Black-grey	1	2.500	**6104877**
MTG-U3A S AL1	Aluminium painted	1	2.500	**6104880**

PC Polycarbonate

Multimedia support with one USB 3.0 connection socket, straight cable outlet, with labelling panel, USB 3.0 Type A socket with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

USB 2.0 / 3.0 connection, 1 module, slanting outlet, as screw connection





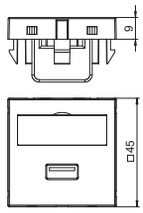
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-U3A S RW1	Pure white	1	2.700	**6104886**
MTS-U3A S SWGR1	Black-grey	1	2.700	**6104889**
MTS-U3A S AL1	Aluminium painted	1	2.700	**6104892**

PC Polycarbonate

Multimedia support with one USB 3.0 connection socket, slanting cable outlet, with labelling panel, USB 3.0 type A socket with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

USB 2.0 / 3.0 connection, 1 module, straight outlet, with connection cable





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-U3A F RW1	Pure white	1	6.000	**6104922**
MTG-U3A F SWGR1	Black-grey	1	6.000	**6104925**
MTG-U3A F AL1	Aluminium painted	1	6.000	**6104928**

PC Polycarbonate

Multimedia support with one USB 3.0 connection socket, straight cable outlet, with labelling panel, short USB 3.0 type A connection cable, socket-socket version. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

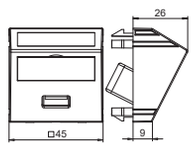
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USB 2.0 / 3.0 connection, 1 module, slanting outlet, with connection cable

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-U3A F RW1	Pure white	1	6.200	**6104934**
MTS-U3A F SWGR1	Black-grey	1	6.200	**6104937**
MTS-U3A F AL1	Aluminium painted	1	6.200	**6104940**

PC Polycarbonate

Multimedia support with one USB 3.0 connection socket, slanting cable outlet, with labelling panel, short USB 3.0 type A connection cable, socket-socket version. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



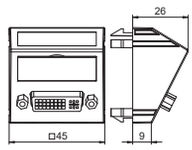


DVI-D connection, 1 module, slanting outlet, as screw connection

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-DVI S RW1	Pure white	1	3.700	**6104742**
MTS-DVI S SWGR1	Black-grey	1	3.700	**6104745**
MTS-DVI S AL1	Aluminium painted	1	3.700	**6104748**

PC Polycarbonate

Multimedia support with one DVI-D connection socket, slanting cable outlet, with labelling panel, DVI-D socket with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



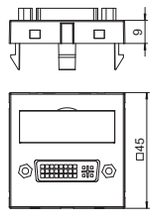


DVI-I connection, 1 module, straight outlet, with connection cable

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-DVI F RW1	Pure white	1	6.000	**6104754**
MTG-DVI F SWGR1	Black-grey	1	6.000	**6104757**
MTG-DVI F AL1	Aluminium painted	1	6.000	**6104760**

PC Polycarbonate

Multimedia support with one DVI-I connection socket, straight cable outlet, with labelling panel, short DVI-I connection cable, socket-socket version. Support with locking fastening, suitable for horizontal and vertical installation in the system environment.



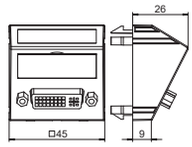


DVI-I connection, 1 module, slanting outlet, with connection cable

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-DVI F RW1	Pure white	1	6.200	**6104766**
MTS-DVI F SWGR1	Black-grey	1	6.200	**6104769**
MTS-DVI F AL1	Aluminium painted	1	6.200	**6104772**

PC Polycarbonate

Multimedia support with one DVI-I connection socket, slanting cable outlet, with labelling panel, short DVI-I connection cable, socket-socket version. Support with locking fastening, suitable for horizontal and vertical installation in the system environment.





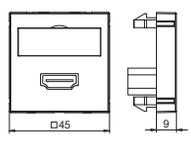
HDMI connection, 1 module, straight outlet, as screw connection

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-HD S RW1	Pure white	1	3.200	**6104802**
MTG-HD S SWGR1	Black-grey	1	3.200	**6104805**
MTG-HD S AL1	Aluminium painted	1	3.200	**6104808**

PC Polycarbonate

Multimedia support with one HDMI connection socket, straight cable outlet, with labelling panel, HDMI socket with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

Note: Due to the device dimensions, device installation in Rapid 45 device installation ducts and ISSR..45 / ISSD..45 service poles is not possible.



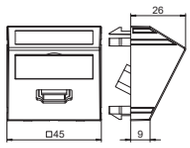


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Always indicate the item number when ordering.

HDMI connection, 1 module, slanting outlet, as screw connection





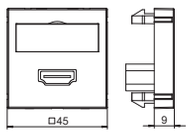
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-HD S RW1	Pure white	1	3.400	**6104814**
MTS-HD S SWGR1	Black-grey	1	3.400	**6104817**
MTS-HD S AL1	Aluminium painted	1	3.400	**6104820**

PC Polycarbonate

Multimedia support with one HDMI connection socket, slanting cable outlet, with labelling panel, HDMI socket with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

HDMI connection, 1 module, straight outlet, with connection cable





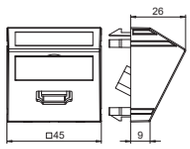
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-HD F RW1	Pure white	1	6.000	**6104826**
MTG-HD F SWGR1	Black-grey	1	6.000	**6104829**
MTG-HD F AL1	Aluminium painted	1	6.000	**6104832**

PC Polycarbonate

Multimedia support with one HDMI connection socket, straight cable outlet, with labelling panel, short HDMI connection cable, socket-socket version. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

HDMI connection, 1 module, slanting outlet, with connection cable





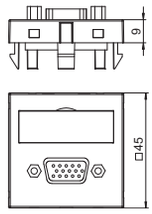
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-HD F RW1	Pure white	1	6.200	**6104838**
MTS-HD F SWGR1	Black-grey	1	6.200	**6104841**
MTS-HD F AL1	Aluminium painted	1	6.200	**6104844**

PC Polycarbonate

Multimedia support with one HDMI connection socket, slanting cable outlet, with labelling panel, short HDMI connection cable, socket-socket version. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

VGA connection, 1 module, straight outlet, as screw connection





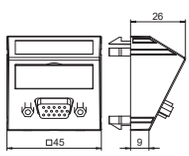
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-VGA S RW1	Pure white	1	2.400	**6104610**
MTG-VGA S SWGR1	Black-grey	1	2.400	**6104613**
MTG-VGA S AL1	Aluminium painted	1	2.400	**6104616**

PC Polycarbonate

Multimedia support with one VGA connection socket, straight cable outlet, with labelling panel, VGA socket (HD15) with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

VGA connection, 1 module, slanting outlet, as screw connection





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-VGA S RW1	Pure white	1	2.600	**6104622**
MTS-VGA S SWGR1	Black-grey	1	2.600	**6104625**
MTS-VGA S AL1	Aluminium painted	1	2.600	**6104628**

PC Polycarbonate

Multimedia support with one VGA connection socket, slanting cable outlet, with labelling panel, VGA socket (HD15) with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

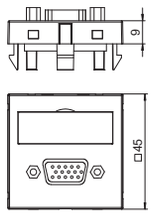
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VGA connection, 1 module, straight outlet, with connection cable

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-VGA F RW1	Pure white	1	5.200	**6104658**
MTG-VGA F SWGR1	Black-grey	1	5.200	**6104661**
MTG-VGA F AL1	Aluminium painted	1	5.200	**6104664**

PC Polycarbonate

Multimedia support with one VGA connection socket, straight cable outlet, with labelling panel, short VGA connection cable (HD15), socket-socket version. Support with locking fastening, suitable for horizontal and vertical installation in the system environment.



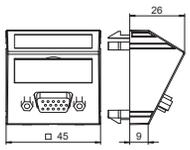


VGA connection, 1 module, slanting outlet, with connection cable

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-VGA F RW1	Pure white	1	5.400	**6104670**
MTS-VGA F SWGR1	Black-grey	1	5.400	**6104673**
MTS-VGA F AL1	Aluminium painted	1	5.400	**6104676**

PC Polycarbonate

Multimedia support with one VGA connection socket, slanting cable outlet, with labelling panel, short VGA connection cable (HD15), socket-socket version. Support with locking fastening, suitable for horizontal and vertical installation in the system environment.



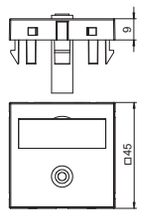


Mini jack connection, 1 module, straight outlet, as soldered connection

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-MK L RW1	Pure white	1	1.500	**6104946**
MTG-MK L SWGR1	Black-grey	1	1.500	**6104949**
MTG-MK L AL1	Aluminium painted	1	1.500	**6104952**

PC Polycarbonate

Multimedia support with one mini jack connection socket, straight cable outlet, with labelling panel, mini cinch socket (TRS 3.5 mm) with soldered connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



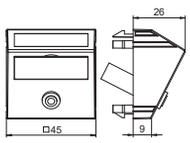


Mini jack connection, 1 module, slanting outlet, as soldered connection

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-MK L RW1	Pure white	1	1.700	**6104958**
MTS-MK L SWGR1	Black-grey	1	1.700	**6104961**
MTS-MK L AL1	Aluminium painted	1	1.700	**6104964**

PC Polycarbonate

Multimedia support with one mini jack connection socket, slanting cable outlet, with labelling panel, mini cinch socket (TRS 3.5 mm) with soldered connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



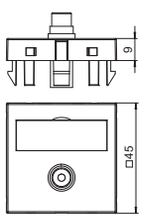


Video cinch connection, 1 module, straight outlet, as soldered connection

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-R L RW1	Pure white	1	1.500	**6104970**
MTG-R L SWGR1	Black-grey	1	1.500	**6104973**
MTG-R L AL1	Aluminium painted	1	1.500	**6104976**

PC Polycarbonate

Multimedia support with one cinch connection socket for composite video, straight cable outlet, with labelling panel, cinch socket (RCA) with soldered connection, colour coding yellow. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



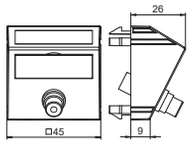


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Always indicate the item number when ordering.

Video cinch connection, 1 module, slanting outlet, as soldered connection





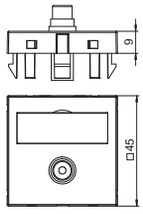
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-R L RW1	Pure white	1	1.700	**6104982**
MTS-R L SWGR1	Black-grey	1	1.700	**6104985**
MTS-R L AL1	Aluminium painted	1	1.700	**6104988**

PC Polycarbonate

Multimedia support with one cinch connection socket for composite video, slanting cable outlet, with labelling panel, cinch socket (RCA) with soldered connection, colour coding yellow. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

Video cinch connection, 1 module, straight outlet, as 1:1 coupling





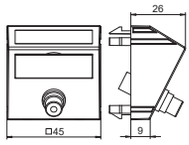
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-R F RW1	Pure white	1	1.500	**6104994**
MTG-R F SWGR1	Black-grey	1	1.500	**6104997**

PC Polycarbonate

Multimedia support with one cinch connection socket for composite video, straight cable outlet, with labelling panel, cinch coupling (RCA), socket-socket version, colour coding yellow. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

Video cinch connection, 1 module, slanting outlet, as 1:1 coupling





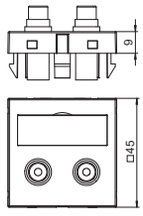
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-R F RW1	Pure white	1	1.700	**6105006**
MTS-R F SWGR1	Black-grey	1	1.700	**6105009**
MTS-R F AL1	Aluminium painted	1	1.700	**6105012**

PC Polycarbonate

Multimedia support with one cinch connection socket for composite video, slanting cable outlet, with labelling panel, cinch coupling (RCA), socket-socket version, colour coding yellow. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

Audio cinch connection, 1 module, straight outlet, as soldered connection





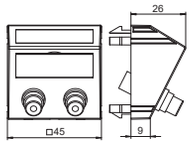
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-2R L RW1	Pure white	1	2.500	**6105042**
MTG-2R L SWGR1	Black-grey	1	2.500	**6105045**
MTG-2R L AL1	Aluminium painted	1	2.500	**6105048**

PC Polycarbonate

Multimedia support with two cinch connection sockets for audio R/L, straight cable outlet, with labelling panel, two cinch sockets (RCA) with soldered connection, colour coding red/white. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

Audio cinch connection, 1 module, slanting outlet, as soldered connection





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-2R L RW1	Pure white	1	2.700	**6105054**
MTS-2R L SWGR1	Black-grey	1	2.700	**6105057**
MTS-2R L AL1	Aluminium painted	1	2.700	**6105060**

PC Polycarbonate

Multimedia support with two cinch connection sockets for audio R/L, slanting cable outlet, with labelling panel, two cinch sockets (RCA) with soldered connection, colour coding red/white. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

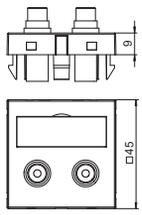
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Audio cinch connection, 1 module, straight outlet, as 1:1 coupling

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-2R F RW1	Pure white	1	2.500	**6105066**
MTG-2R F SWGR1	Black-grey	1	2.500	**6105069**
MTG-2R F AL1	Aluminium painted	1	2.500	**6105072**

PC Polycarbonate

Multimedia support with two cinch connection sockets for audio R/L, straight cable outlet, with labelling panel, two cinch couplings (RCA), socket-socket version, colour coding red/white. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



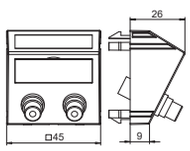


Audio cinch connection, 1 module, slanting outlet, as 1:1 coupling

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-2R F RW1	Pure white	1	2.700	**6105078**
MTS-2R F SWGR1	Black-grey	1	2.700	**6105081**
MTS-2R F AL1	Aluminium painted	1	2.700	**6105084**

PC Polycarbonate

Multimedia support with two cinch connection sockets for audio R/L, slanting cable outlet, with labelling panel, two cinch couplings (RCA), socket-socket version, colour coding red/white. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



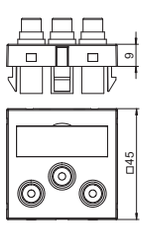


Component video connection, 1 module, straight outlet, as soldered connection

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-3R L RW1	Pure white	1	3.200	**6105114**
MTG-3R L SWGR1	Black-grey	1	3.200	**6105117**
MTG-3R L AL1	Aluminium painted	1	3.200	**6105120**

PC Polycarbonate

Multimedia support with three cinch connection sockets for component video, straight cable outlet, with labelling panel, three cinch sockets (RCA) with soldered connection, colour coding red / green / blue. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



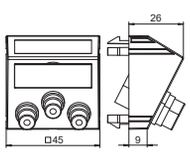


Component video connection, 1 module, slanting outlet, as soldered connection

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-3R L RW1	Pure white	1	3.400	**6105126**
MTS-3R L SWGR1	Black-grey	1	3.400	**6105129**
MTS-3R L AL1	Aluminium painted	1	3.400	**6105132**

PC Polycarbonate

Multimedia support with three cinch connection sockets for component video, slanting cable outlet, with labelling panel, three cinch sockets (RCA) with soldered connection, colour coding red / green / blue. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



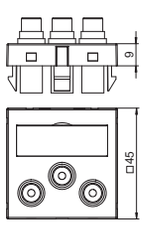


Component video connection, 1 module, straight outlet, as 1:1 coupling

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-3R F RW1	Pure white	1	3.200	**6105138**
MTG-3R F SWGR1	Black-grey	1	3.200	**6105141**
MTG-3R F AL1	Aluminium painted	1	3.200	**6105144**

PC Polycarbonate

Multimedia support with three cinch connection sockets for component video, straight cable outlet, with labelling panel, three cinch couplings (RCA), socket-socket version, colour coding red / green / blue. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



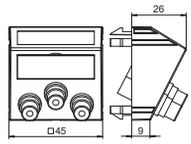


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Always indicate the item number when ordering.

Component video connection, 1 module, slanting outlet, as 1:1 coupling





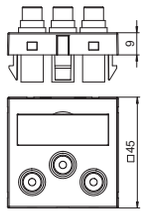
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-3R F RW1	Pure white	1	3.400	**6105150**
MTS-3R F SWGR1	Black-grey	1	3.400	**6105153**
MTS-3R F AL1	Aluminium painted	1	3.400	**6105156**

PC Polycarbonate

Multimedia support with three cinch connection sockets for component video, slanting cable outlet, with labelling panel, three cinch couplings (RCA), socket-socket version, colour coding red / green / blue. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

Audio/video cinch connection, 1 module, straight outlet, as soldered connection





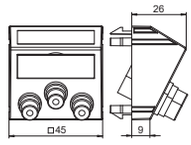
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-12R L RW1	Pure white	1	3.200	**6105162**
MTG-12R L SWGR1	Black-grey	1	3.200	**6105165**
MTG-12R L AL1	Aluminium painted	1	3.200	**6105168**

PC Polycarbonate

Multimedia support with three cinch connection sockets for audio-video, straight cable outlet, with labelling panel, three cinch sockets (RCA) with soldered connection, colour coding yellow / red / white. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

Audio/video cinch connection, 1 module, slanting outlet, as soldered connection





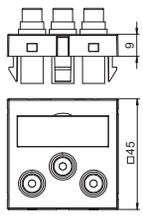
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-12R L RW1	Pure white	1	3.400	**6105174**
MTS-12R L SWGR1	Black-grey	1	3.400	**6105177**
MTS-12R L AL1	Aluminium painted	1	3.400	**6105180**

PC Polycarbonate

Multimedia support with three cinch connection sockets for audio/video, slanting cable outlet, with labelling panel, three cinch sockets (RCA) with soldered connection, colour coding yellow / red / white. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

Audio/video cinch connection, 1 module, straight outlet, as 1:1 coupling





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-12R F RW1	Pure white	1	3.200	**6105186**
MTG-12R F SWGR1	Black-grey	1	3.200	**6105189**
MTG-12R F AL1	Aluminium painted	1	3.200	**6105192**

PC Polycarbonate

Multimedia support with three cinch connection sockets for audio/video, straight cable outlet, with labelling panel, three cinch couplings (RCA), socket-socket version, colour coding yellow / red / white. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

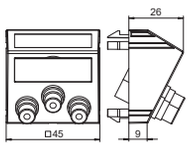
Always indicate the item number when ordering.

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Audio/video cinch connection, 1 module, slanting outlet, as 1:1 coupling

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-12R F RW1	Pure white	1	3.400	6105198
MTS-12R F SWGR1	Black-grey	1	3.400	6105201
MTS-12R F AL1	Aluminium painted	1	3.400	6105204

PC Polycarbonate



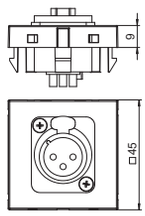


Multimedia support with three cinch connection sockets for audio/video, slanting cable outlet, with labelling panel, three cinch couplings (RCA), socket-socket version, colour coding yellow / red / white. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

XLR connection, 1 module, straight outlet, 3-pin socket, as soldered connection

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-X3F L RW1	Pure white	1	3.000	6105210
MTG-X3F L SWGR1	Black-grey	1	3.000	6105213
MTG-X3F L AL1	Aluminium painted	1	3.000	6105216

PC Polycarbonate



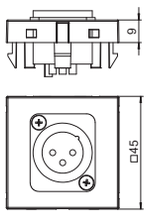


Multimedia support with one XLR connection socket, straight cable outlet, without labelling panel, 3-pin XLR socket with soldered connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

XLR connection, 1 module, straight outlet, 3-pin connector, as soldered connection

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-X3M L RW1	Pure white	1	3.000	6105222
MTG-X3M L SWGR1	Black-grey	1	3.000	6105225
MTG-X3M L AL1	Aluminium painted	1	3.000	6105228

PC Polycarbonate



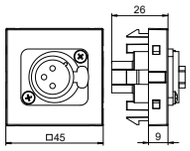


Multimedia support with one XLR connection socket, straight cable outlet, without labelling panel, 3-pin XLR connector with soldered connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

XLR connection, 1 module, straight outlet, 3-pin socket, as screw connection

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-X3F S RW1	Pure white	1	3.500	6105250
MTG-X3F S SWGR1	Black-grey	1	3.500	6105252
MTG-X3F S AL1	Aluminium painted	1	3.500	6105254

PC Polycarbonate



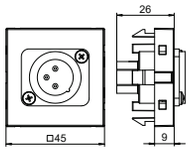


Multimedia support with one XLR connection socket, straight cable outlet, without labelling panel, XLR 3-pin socket with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

XLR connection, 1 module, straight outlet, 3-pin connection, as screw connection

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-X3M S RW1	Pure white	1	3.500	6105258
MTG-X3M S SWGR1	Black-grey	1	3.500	6105260
MTG-X3M S AL1	Aluminium painted	1	3.500	6105262

PC Polycarbonate





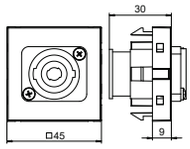
Multimedia support with one XLR connection socket, straight cable outlet, without labelling panel, XLR 3-pin socket with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

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Always indicate the item number when ordering.

Speakon connection, 1 module, straight outlet, 4-pin socket, as screw connection





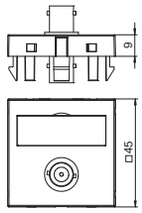
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-SON S RW1	Pure white	1	2.800	**6105270**
MTG-SON S SWGR1	Black-grey	1	2.800	**6105272**
MTG-SON S AL1	Aluminium painted	1	2.800	**6105274**

PC Polycarbonate

Multimedia support with one Speakon connection socket, straight cable outlet, without labelling panel, Speakon 4-pin socket with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

BNC connection, 1 module, straight outlet, as 1:1 coupling





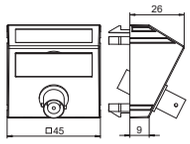
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-BC F RW1	Pure white	1	1.500	**6105018**
MTG-BC F SWGR1	Black-grey	1	1.500	**6105021**
MTG-BC F AL1	Aluminium painted	1	1.500	**6105024**

PC Polycarbonate

Multimedia support with one BNC connection socket, straight cable outlet, with labelling panel, BNC cinch coupling, socket-socket version. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

BNC connection, 1 module, slanting outlet, as 1:1 coupling





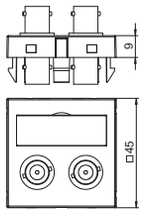
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-BC F RW1	Pure white	1	1.700	**6105030**
MTS-BC F SWGR1	Black-grey	1	1.700	**6105033**
MTS-BC F AL1	Aluminium painted	1	1.700	**6105036**

PC Polycarbonate

Multimedia support with one BNC connection socket, slanting cable outlet, with labelling panel, BNC cinch coupling, socket-socket version. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

2 x BNC connection, 1 module, straight outlet, as 1:1 coupling





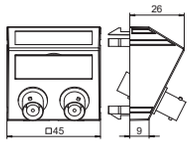
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTG-2BC F RW1	Pure white	1	2.500	**6105090**
MTG-2BC F SWGR1	Black-grey	1	2.500	**6105093**
MTG-2BC F AL1	Aluminium painted	1	2.500	**6105096**

PC Polycarbonate

Multimedia support with two BNC connection sockets, straight cable outlet, with labelling panel, two BNC couplings, socket-socket version. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

2 x BNC connection, 1 module, slanting outlet, as 1:1 coupling





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MTS-2BC F RW1	Pure white	1	2.700	**6105102**
MTS-2BC F SWGR1	Black-grey	1	2.700	**6105105**
MTS-2BC F AL1	Aluminium painted	1	2.700	**6105108**

PC Polycarbonate

Multimedia support with two BNC connection sockets, slanting cable outlet, with labelling panel, two BNC couplings, socket-socket version. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

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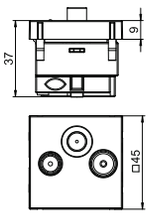
Antenna connection, 1 module, TV / radio / SAT, antenna socket

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
ANT-3SD RW1	Pure white	1	11.596	**6105282**
ANT-3SD SWGR1	Black-grey	1	11.596	**6105284**
ANT-3SD AL1	Aluminium painted	1	11.000	**6105286**

PC Polycarbonate

Socket for antenna, BK and satellite reception systems with connection for TV and radio.

Frequency: 5–2150 MHz
Heat attenuation: 5-862 MHz - 1dB
950-2150 MHz - 2 dB
Return channel attenuation: 14 dB
EMC protection class A



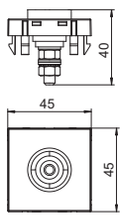


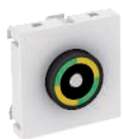
Equipotential bonding socket, 1 module, straight outlet

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
PAD-ID6 RW1	Pure white	1	5.000	**6120003**
PAD-ID6 SWGR1	Black-grey	1	5.000	**6120001**

PC Polycarbonate

Equipotential bonding socket to DIN 42801, socket in black with green-yellow colour ring, cable connection to rear with M6 screw bolt, including two nuts, washers and a serrated washer.



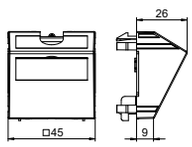


Cable outlet for 3–11 mm cross-section

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
KAL-K11 RW1	Pure white	1	3.500	**6117420**
KAL-K11 SWGR1	Black-grey	1	3.500	**6117421**
KAL-K11 AL1	Aluminium painted	1	3.500	**6117422**

PC Polycarbonate

Two-part cable outlet with labelling panel, consisting of a cable support with strain relief and a cover. The strain relief is suited for cable cross-sections of 3 to 11 mm. The locking fastening is suitable for horizontal and vertical installation in the system environment.



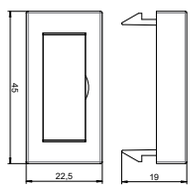


Blanking cover with labelling panel, 1/2 module

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
ADP-BF RW0.5	Pure white	1	0.400	**6117410**
ADP-BF SWGR0.5	Black-grey	1	0.400	**6117411**
ADP-BF AL0.5	Aluminium painted	1	0.400	**6117412**

PC Polycarbonate

Blanking cover with labelling panel, suited for labelling devices in Rapid 45 device installation trunking systems and ISS service poles with a 45 mm system opening.

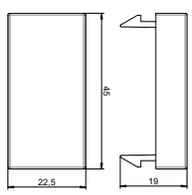




Blanking cover, 1/2 module

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
ADP-B RW0.5	Pure white	10	0.400	**6117414**
ADP-B SWGR0.5	Black-grey	10	0.400	**6117415**
ADP-B AL0.5	Aluminium painted	1	0.400	**6117416**

Blanking cover for closing off empty spaces for a half device (1/2 module).

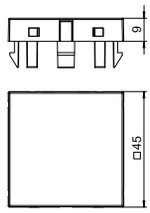


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Always indicate the item number when ordering.

Blanking cover, 1 module



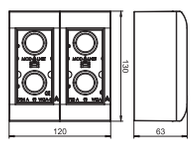


Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
ADP-B RW1	Pure white	10	0.800	**6117406**
ADP-B SWGR1	Black-grey	10	0.800	**6117407**
ADP-B AL1	Aluminium painted	1	0.800	**6117408**

Blanking cover for closing off empty spaces for a device (one module).

Surface-mounted housing, basic configuration, 2x double





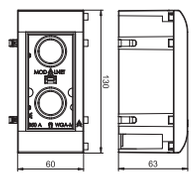
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
WG-AK RW	Pure white	1	35.000	**6109900**

PC Polycarbonate

Basic configuration consisting of two housing bases (right and left side) with two cover frames to accept of Modul 45 accessories of 2x module width = 90 mm.

Surface-mounted housing, expansion module, double





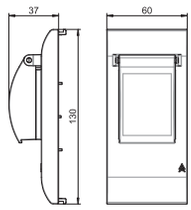
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
WG-MK RW	Pure white	1	17.500	**6109905**

PC Polycarbonate

Extension module consisting of housing base and cover frame to accept Modul 45 accessories of 2x module width = 90 mm.

Cover frame, double, for protective equipment installation





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
WG-AF2TE RW	Pure white	1	7.500	**6109932**

PC Polycarbonate

Construction set, protection unit installation consisting of cover with mounting support and transparent cover hood. Allows the installation of protective equipment (two units) such as miniature circuit-breakers or FI protection switches in the Modal net housing.

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Surface-mounted housing





Modul 45® – device installation solutions for surface and concealed mounting

The Modal net system is designed for the installation of Modul 45 devices and can be used for surface-mounted or cavity wall installations. The installation housing, which has a modular structure, can also be easily adjusted to the required number of installation devices. The basic configuration offers space for 4 Modul 45 installation devices. The housing can be expanded as required using an expansion module for 2 Modul 45 installation devices.

For installations in cavity walls, matching cavity wall supports and screen frames are available as accessories. Installations with 4 devices (2x 2x) and 6 installation devices (3x 2x) are possible.

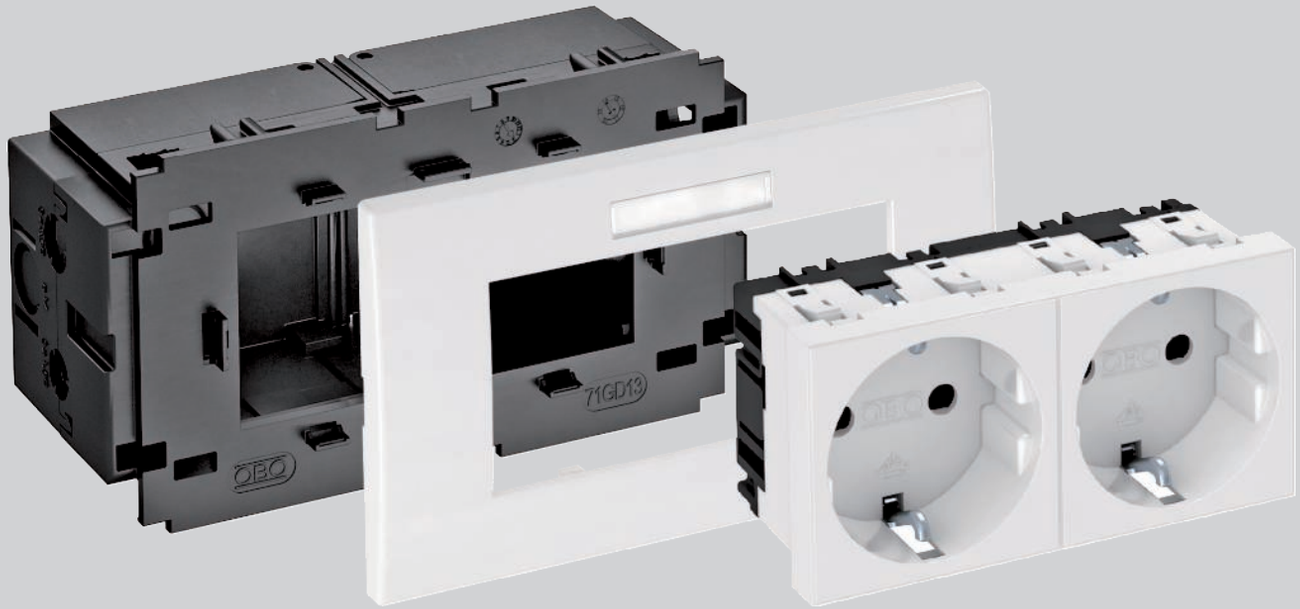




Cavity wall installation

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Always indicate the item number when ordering.



Modul 45® and standard

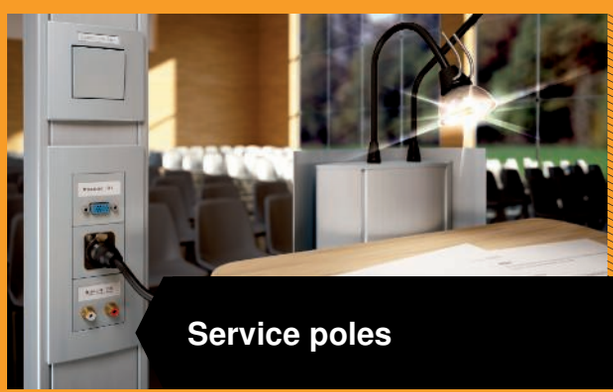
Installation solutions for device installation ducts and service poles with 80 mm system opening

The Modul 45 devices from OBO Bettermann are compact and space-saving. They are therefore ideal for use in device installation ducts and service poles. The Modul 45 system makes optimum use of limited installation space.

The advantages of Modul 45 at a glance:
- Space savings thanks to compact design
- Modular structure
- Quick and easy planning
- Simple mounting
- High efficiency due to time and cost savings
- Wide range of application options
- Easy exchangeability







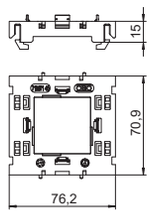
Kompakt Ukraine 2019 / en / 2019/10/18 13:20:50 13:20:50 (LLExport_05599) / 2019/10/18 13:21:06 13:21:06

Mounting support, single, for Modul 45®

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
71MT1 45	Light grey	10	2.000	**6288572**

PA Polyamide

Front locking single mounting support for Modul 45 data technology systems and Modul 45connect protective contact sockets with Wieland connection.



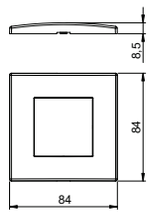


Cover frame AR45, single

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
AR45-F1 RW	Pure white	1	1.600	**6119322**

PC Polycarbonate

Front locking cover frame for Modul 45 devices, single, without labelling panel for horizontal and vertical device installation, for locking in accessory mounting box 71GD8-2.

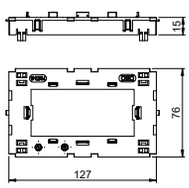


Mounting support, double, for Modul 45®

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
71MT2 45	5	3.050	**6288576**

PA Polyamide

Front locking double mounting support for Modul 45 data technology systems and Modul 45connect protective contact sockets with Wieland connection.



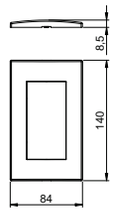


Cover frame AR45, double

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
AR45-F2 RW	Pure white	1	2.320	**6119342**

PC Polycarbonate

Front locking cover frame for Modul 45 devices, single, without labelling panel for horizontal and vertical device installation, for locking in accessory mounting box 71GD13 or in mounting support 71MT2 45.

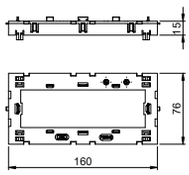


Mounting support, triple, for Modul 45®

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
71MT3 45-2	5	3.200	**6288574**

PA Polyamide

Front locking double/triple mounting support for Modul 45 data technology systems and Modul 45connect protective contact sockets with Wieland connection.



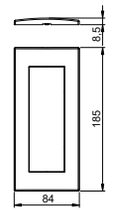


Cover frame AR45, triple

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
AR45-F3 RW	Pure white	1	2.800	**6119372**

PC Polycarbonate

Front locking cover frame for Modul 45 devices, triple, without labelling panel for horizontal and vertical device installation, for locking in accessory mounting box 71GD9-2 or in mounting support 71MT3 45-2.



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Always indicate the item number when ordering.



Modul 45connect® – Plug-in installation solutions for device installation ducts and service poles

As continuously connectable installation technology, Modul 45connect for device installation ducts and service poles offers the highest level of flexibility, security and cost efficiency.

From energy distribution through to device connection in the ducts, the system offers all the required installation components.

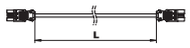


Always indicate the item number when ordering.

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3-wire connection cable, PVC, cross-section 1.5 mm², black

Type	Item No.
VL-3Q1.5 1 SW	6108100
VL-3Q1.5 2 SW	6108101
VL-3Q1.5 3 SW	6108102
VL-3Q1.5 5 SW	6108104
VL-3Q1.5 8 SW	6108107
VL-3Q1.5 10 SW	6108109

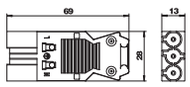




Connection cable 3 x 1.5 mm² in the version socket – connector with GST18i connection system.

Connector part, 3-pin, screw connection

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
ST-S GST18i3p SW	Black	1	2.030	6108054



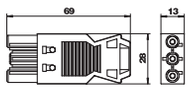


Connector part, 3-pin, type GST18i with screw connection, low height (no slot loss in combination with distributor blocks), for cross-sections of 0.75–2.5 mm², single- and fine-wire cables connectable without end sleeve, for cable diameters between 6.5–10.5 mm (H05VV, NYM), unmounted with strain relief, terminable in situ, 250 V, 16 A.

Stripping length: 31 mm
Insulation removal length: 7 mm

Socket section 3-pin, screw connection

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
BT-S GST18i3p SW	Black	1	2.150	6108056



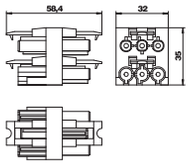


Socket part, 3-pin, type GST18i with screw connection, low height (no slot loss in combination with distributor blocks), for cross-sections of 0.75–2.5 mm², single- and fine-wire cables connectable without end sleeve, for cable diameters between 6.5–10.5 mm (H05VV, NYM), unmounted with strain relief, terminable in situ, 250 V, 16 A.

Stripping length: 31 mm
Insulation removal length: 7 mm

Distributor block 3-pin

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
VB-3 GST18i3p	Black	1	3.590	6108080

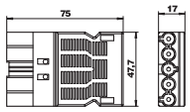




Distributor block with lock, type GST18i, one input with plug section 3-pin and three outputs with socket section 3-pin.

Connector part, 5-pin, screw connection

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
ST-S GST18i5p SW	Black	1	4.330	6108070





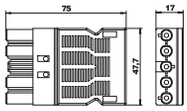
Connector part, 5-pin, type GST18i, with screw connection for 1.5–2.5 mm² cables, single and fine-wire, with strain relief, one connection per pin, unmounted, for cables H05VV (Ø 9.5–13.5) NYM and (Ø 10.5–13.5 mm), lockable, according to the strain relief in VDE 0628 a lock should be planned, 250 V, 16 A.

Stripping length: 8 mm
Jacket removal length: 46 mm

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Socket section 5-pin, screw connection





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
BT-S GST18i5p SW	Black	1	4.550	**6108072**

Socket part, 5-pin, type GST18i, with screw connection for 1.5 to 2.5 mm² cables, single and fine-wire, with strain relief, one connection per pin, unmounted, for cables H05VV (Ø 9.5 – 13.5) NYM and (Ø 10.5 to 13.5 mm), lockable, according to the strain relief in VDE 0628 a lock should be planned, 250 V, 16 A.

Stripping length: 8 mm
Jacket removal length: 46 mm

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Always indicate the item number when ordering.







Workplace solutions – Deskboxes and Flexkanal

Deskboxes by OBO offer direct access to power, data and multimedia connections for any workplace and in offices and meeting and conference rooms. For individual requirements, 3 different Deskbox solutions are available in high-quality materials and elegant designs:

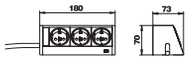
- Freely locatable Deskbox DB
- Lowerable Deskbox DBV
- Foldable Deskbox DBK



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Deskbox DB, freely placeable, 3 sockets





Type	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
DB-5A3 D3S	Housing, silver anodised	1	66.000	**6116930**

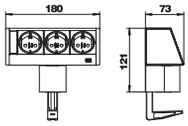
Alu Aluminium
EL Anodised

Ready-for-connection Deskbox with connection cable, cable outlet on the left housing cover, freely placeable.

Equipment:
- Three protection contact sockets in 0° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.

Deskbox DB, with fastening clamp, 3 sockets





Type	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
DB-1B3 D3S	Housing, silver anodised	1	102.000	**6116936**

Alu Aluminium
EL Anodised

Deskbox with connection cable, cable outlet at the bottom of the profile with a fastening clamp for tabletop thicknesses of 8 to 40 mm.

Equipment:
- Three black protection contact sockets in 0° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.

Deskbox DB, without fastening material, 3 sockets





Type	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
DB-0B3 D3S	Housing, silver anodised	1	66.000	**6116939**

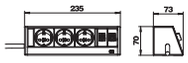
Alu Aluminium
EL Anodised

Deskbox with connection cable, cable outlet at the bottom of the profile, without fastening material, combinable with the fastening solutions listed in the accessories.

Equipment:
- Three black protection contact sockets in 0° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.

Deskbox DB, freely placeable, 3 sockets, 2x RJ45 Cat. 6





Type	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
DB-5A3 D3S2K	Housing, silver anodised	1	86.000	**6116933**

Alu Aluminium
EL Anodised

Deskbox with connection cable, cable outlet on the left and right housing cover, freely placeable using non-slip support points.

Equipment:
- Three black protective contact sockets in 0° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7, cable exit on the left housing cover.
- Two data technology couplings RJ45 to RJ45, 1:1 switched, Cat. 6 shielded, cable exit on the right housing cover.

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Deskbox DB, with fastening clamp, 3 switched sockets, 2x RJ45 Cat. 6

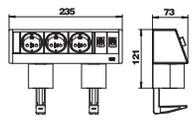
Type	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
DB-1B3 D3S2K	Housing, silver anodised	1	122.000	**6116942**

Alu Aluminium

EL Anodised

Deskbox with connection cable, cable outlet at the bottom of the profile with two fastening clamps for tabletop thicknesses of 8 to 40 mm.

Equipment:
- Three black protection contact sockets in 0° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.
- Two data technology couplings RJ45 to RJ45, 1:1 switched, Cat. 6 shielded.





Deskbox DB, without fastening material, 3 sockets, 2x RJ45 Cat. 6

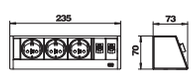
Type	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
DB-0B3 D3S2K	Housing, silver anodised	1	85.700	**6116945**

Alu Aluminium

EL Anodised

Deskbox with connection cable, cable outlet at the bottom of the profile, without fastening material, combinable with the fastening solutions listed in the accessories.

Equipment:
- Three black protection contact sockets in 0° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.
- Two data technology couplings RJ45 to RJ45, 1:1 switched, Cat. 6 shielded.





Deskbox DB, freely placeable, 2+2 sockets, 2x RJ45 Cat. 6

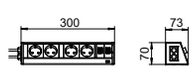
Type	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
DB-0A3 D22SR2K	Housing, silver anodised	1	100.000	**6116918**

Alu Aluminium

EL Anodised

Deskbox with connection cable, cable outlet on the left and right housing cover, freely placeable using non-slip support points.

Equipment:
- Two black protection contact sockets in 0° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7, cable exit on the left housing cover.
- Two red protection contact sockets in 0° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7, cable exit on the left housing cover.
- Two data technology couplings RJ45 to RJ45, 1:1 switched, Cat. 6 shielded, cable exit on the right housing cover.





Deskbox DB, with fastening clamp, 3 sockets, VGA, mini jack, USB, 2x RJ45 Cat. 6

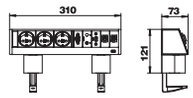
Type	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
DB-M1B3 D3S2K	Housing, silver anodised	1	186.000	**6116960**

Alu Aluminium

EL Anodised

Deskbox with connection cable, cable outlet at the bottom of the profile with two fastening clamps for tabletop thicknesses of 8 to 40 mm.

Equipment:
- Three black protection contact sockets in 0° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.
- One VGA 15-pin HDD socket, incl. 3.0 m connection cable with connector.
- One audio jack socket 3.5 mm, incl. 3.0 m connection cable with connector.
- One USB 2.0, type A socket, incl. 3.0 m connection cable with type A connector.
- Two data technology couplings RJ45 to RJ45, 1:1 switched, Cat. 6 shielded.





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Always indicate the item number when ordering.

Deskbox DB, without fastening material, 3 sockets, VGA, mini jack, USB, 2x RJ45 Cat. 6





Type	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
DB-M0B3 D3S2K	Housing, silver anodised	1	150.000	**6116963**

Alu Aluminium

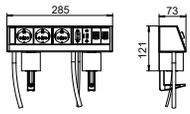
EL Anodised

Deskbox with connection cable, cable outlet at the bottom of the profile, without fastening material, combinable with the fastening solutions listed in the accessories.

Equipment:
- Three black protection contact sockets in 0° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.
- One VGA 15-pin HDD socket, incl. 3.0 m connection cable with connector.
- One audio jack socket 3.5 mm, incl. 3.0 m connection cable with connector.
- One USB 2.0, type A socket, incl. 3.0 m connection cable with type A connector.
- Two data technology couplings RJ45 to RJ45, 1:1 switched, Cat. 6 shielded.

Deskbox DB, with fastening clamp, 3 sockets, HDMI, USB 3.0, 2x RJ45 Cat. 6





Type	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
DB-MH1B3 D3S2K	Housing, silver anodised	1	186.000	**6116961**

Alu Aluminium

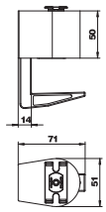
EL Anodised

Deskbox with connection cable, cable outlet at the bottom of the profile with two fastening clamps for tabletop thicknesses of 8 to 40 mm.

Equipment:
- Three black protection contact sockets in 60° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.
- One HDMI 1.3 socket, including 3.0 m connection cable with connector.
- One USB 3.0, type A socket, including 3.0 m connection cable with connector type A.
- Two data technology coupling RJ45 on RJ45, 1:1 switched, Cat. 6 shielded.

Fastening clamp for Deskbox DB





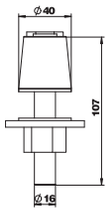
Type	Colour	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
DBZ-BZ75	Black	Clamping range 40 to 75 mm	1	20.000	**6116979**

Fastening clamp for mounting a Deskbox type DB-... on the tabletop.

Note: For housing widths of 200 mm or more, two fastening clamps are required to mount a Deskbox.

Stainless steel fastening stand for Deskbox DB





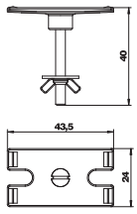
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
DBZ-BFE	1	34.000	**6116982**

Stainless steel fastening stand for fixed mounting of a Deskbox type DB-... on a tabletop. It is mounted using a drill hole (Ø16 mm) in the tabletop.

Note: Can be used in tabletops of up to 50 mm thickness.

Fastening set for table mounting, for Deskbox DB





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
DBZ-BST	1	2.300	**6116985**

Fastening set for fixed mounting of Deskbox type DB-... on the tabletop. It is mounted using a drill hole (Ø10 mm) in the tabletop.

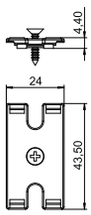
Note: The included fastening screws (M4 x 40 mm) can be used for tabletops of up to a maximum thickness of 32 mm.

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Fastening set for under-table mounting, for Deskbox DB

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
DBZ-BSUT	1	100.000	**6116986**

Fastening set for fixed mounting of Deskbox type DB-... under the tabletop. It is mounted on the tabletop using two wood screws.



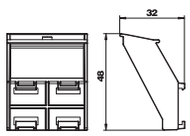


Flexkanal holder for Deskbox DB

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DBZ-FLKB	Black	1	1.100	**6116991**

Flexkanal holder for Deskbox, type DB, for secure connection of a Flexkanal to the Deskbox.

Note: Can only be used for mounting on the tabletop using fastening clamps.





Deskbox DBV, 2 sockets

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
DBV-A3A D2S	1	93.230	**6116854**
DBV-A3E D2S	1	99.230	**6116858**

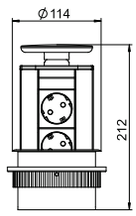
Alu Aluminium

EL Anodised

Lowerable Deskbox with connection cable for fixed installation on a tabletop, plastic fastening sleeve, painted accordingly in cover shade. It is mounted using a drill hole (Ø102 mm) in the tabletop.

Equipment:
- Two black protection contact sockets in 60° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.

Note: Can be used in tabletops of up to 50 mm thickness.





Deskbox DBV, 3 sockets

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
DBV-A3A D3S	1	98.230	**6116862**
DBV-A3E D3S	1	106.230	**6116866**

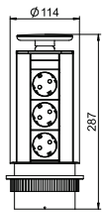
Alu Aluminium

EL Anodised

Lowerable Deskbox with connection cable for fixed installation on a tabletop, plastic fastening sleeve, painted accordingly in cover shade. It is mounted using a drill hole (Ø102 mm) in the tabletop.

Equipment:
- Three black protection contact sockets in 60° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.

Note: Can be used in tabletops of up to 50 mm thickness.

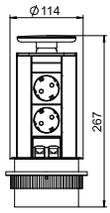




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Deskbox DBV, 2 sockets, 2x RJ45 Cat. 6





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
DBV-A3A D2S2K	1	98.230	**6116870**
DBV-A3E D2S2K	1	106.230	**6116874**

Alu Aluminium

EL Anodised

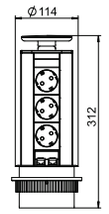
Lowerable Deskbox with connection cable for fixed installation on a tabletop, plastic fastening sleeve, painted accordingly in cover shade. It is mounted using a drill hole (Ø102 mm) in the tabletop.

Equipment:
- Two black protection contact sockets in 60° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.
- Two data technology couplings RJ45 to RJ45, 1:1 switched, Cat. 6 shielded.

Note: Can be used in tabletops of up to 50 mm thickness.

Deskbox DBV, 3 sockets, 2x RJ45 Cat. 6





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
DBV-A3A D3S2K	1	103.230	**6116878**
DBV-A3E D3S2K	1	111.230	**6116882**

Alu Aluminium

EL Anodised

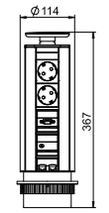
Lowerable Deskbox with connection cable for fixed installation on a tabletop, plastic fastening sleeve, painted accordingly in cover shade. It is mounted using a drill hole (Ø102 mm) in the tabletop.

Equipment:
- Three black protection contact sockets in 60° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.
- Two data technology couplings RJ45 to RJ45, 1:1 switched, Cat. 6 shielded.

Note: Can be used in tabletops of up to 50 mm thickness.

Deskbox DBV, 2 sockets, VGA, mini jack, 2x RJ45 Cat. 6





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
DBV-MA3A D3S2K	1	118.230	**6116886**
DBV-MA3E D3S2K	1	126.230	**6116890**

Alu Aluminium

EL Anodised

Lowerable Deskbox with connection cable for fixed installation on a tabletop, plastic fastening sleeve, painted accordingly in cover shade. It is mounted using a drill hole (Ø102 mm) in the tabletop.

Equipment:
- Two black protection contact sockets in 60° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.
- One VGA 15-pin HDD socket, incl. 3.0 m connection cable with connector.
- One audio jack socket 3.5 mm, incl. 3.0 m connection cable with connector.
- Two data technology couplings RJ45 to RJ45, 1:1 switched, Cat. 6 shielded.

Note: Can be used in tabletops of up to 50 mm thickness.

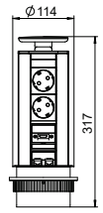
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Deskbox DBV, 2 sockets, HDMI, 2x RJ45 Cat. 6

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
DBV-MHA3A D2S2K	1	108.230	**6116887**
DBV-MHA3E D2S2K	1	116.230	**6116888**

Alu Aluminium

EL Anodised





Lowerable Deskbox with connection cable for fixed installation on a tabletop, plastic fastening sleeve, painted accordingly in cover shade. It is mounted using a drill hole (Ø102 mm) in the tabletop.

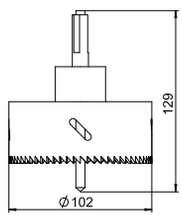
Equipment:
- Two black protection contact sockets in 60° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.
- One HDMI 1.3 socket, including 3.0 m connection cable with connector.
- Two data technology couplings RJ45 to RJ45, 1:1 switched, Cat. 6 shielded.

Note: Can be used in tabletops of up to 60 mm thickness.

Circular band saw for Deskbox DBV

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
DBZ-LS	1	100.000	**6116994**

Circular band saw as a mounting tool for precise installation of a Deskbox of type DBV, drill hole diameter 102 mm.





Deskbox DBK, 3 sockets

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
DBK2-E3 D3S	1	133.860	**6116800**

A2 Stainless steel, grade 304





Foldable Deskbox with connection cable for fixed installation in a tabletop, housing made of brushed stainless steel with brush bar as cable outlet. It is mounted using a 195 x 157 mm installation opening in the tabletop.

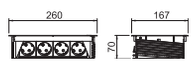
Equipment:
- Three black protective contact sockets in 60° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.

Note: Can be used in tabletops of up to 50 mm thickness.

Deskbox DBK, 4 sockets

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
DBK2-E4 D4S	1	163.860	**6116804**

A2 Stainless steel, grade 304





Foldable Deskbox with connection cable for fixed installation in a tabletop, housing made of brushed stainless steel with brush bar as cable outlet. It is mounted using a 245 x 157 mm installation opening in the tabletop.

Equipment:
- Four black protective contact sockets in 60° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.

Note: Can be used in tabletops of up to 50 mm thickness.

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Deskbox DBK, 2 sockets, 2x RJ45 Cat. 6





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
DBK2-D3 D2S2K	1	178.800	**6116802**

A2 Stainless steel, grade 304

Foldable Deskbox with connection cable for fixed installation in a tabletop, housing made of brushed stainless steel with brush bar as cable outlet. It is mounted using a 195 x 157 mm installation opening in the tabletop.

Equipment:
- Two black protective contact sockets in 60° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.
- Two data technology couplings RJ45 to RJ45, 1:1 switched, Cat. 6 shielded.

Note: Can be used in tabletops of up to 50 mm thickness.

Deskbox DBK, 3 sockets, 2x RJ45 Cat. 6





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
DBK2-D4 D3S2K	1	163.860	**6116806**

A2 Stainless steel, grade 304

Foldable Deskbox with connection cable for fixed installation in a tabletop, housing made of brushed stainless steel with brush bar as cable outlet. It is mounted using a 245 x 157 mm installation opening in the tabletop.

Equipment:
- Three black protective contact sockets in 60° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.
- Two data technology couplings RJ45 to RJ45, 1:1 switched, Cat. 6 shielded.

Note: Can be used in tabletops of up to 50 mm thickness.

Deskbox DBK, 3 sockets, VGA, mini jack, 2x RJ45 Cat. 6





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
DBK2-M5V D3S2K	1	278.000	**6116808**

A2 Stainless steel, grade 304

Foldable Deskbox with connection cable for fixed installation in a tabletop, housing made of brushed stainless steel with brush bar as cable outlet. It is mounted using a 295 x 157 mm installation opening in the tabletop.

Equipment:
- Three black protective contact sockets in 60° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.
- One VGA 15-pin HDD socket, incl. 3.0 m connection cable with connector.
- One audio jack socket 3.5 mm, incl. 3.0 m connection cable with connector.
- Two data technology couplings RJ45 to RJ45, 1:1 switched, Cat. 6 shielded.

Note: Can be used in tabletops of up to 50 mm thickness.

Deskbox DBK, 2 sockets, HDMI, 2x RJ45 Cat. 6





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
DBK2-M4H D2S2K	1	173.760	**6116810**

A2 Stainless steel, grade 304

Foldable Deskbox with connection cable for fixed installation in a tabletop, housing made of brushed stainless steel with brush bar as cable outlet. It is mounted using a 245 x 157 mm installation opening in the tabletop.

Equipment:
- Two black protective contact sockets in 60° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.
- One HDMI 1.3 socket, including 3.0 m connection cable with connector.
- Two data technology couplings RJ45 to RJ45, 1:1 switched, Cat. 6 shielded.

Note: Can be used in tabletops of up to 50 mm thickness.

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Always indicate the item number when ordering.

Flexkanal

Type	Length mm	Colour	Pack. m	Weight kg/100 m	Item No.
FLK-2K LGR	1000	Light grey	1	28.800	**6154922**
FLK-2K SWGR	1000	Black-grey	1	28.800	**6154930**

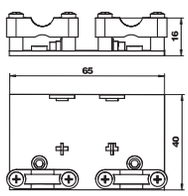




The Flexkanal runs your cables ordered and protected to the desk. It connects the Deskbox with the dado duct or with the floor connection box. When extended, the Flexkanal is 1,000 mm long, 60 mm wide and 20 mm high.
The duct consists of two chambers, capacity per chamber:
two cables of 8.5 mm diameter or three cables of 7.5 mm diameter or
four cables of 7.0 mm diameter or five cables of 6.0 mm diameter.

Holder with strain relief for Flexkanal

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
FLK-HL ZL	Anthracite grey	1	10.500	**6154961**



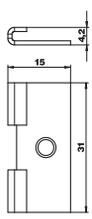


The holder possesses two integrated strain reliefs and can be screwed on. A Flexkanal can be mounted directly on the holder.

Fastening clamp for Flexkanal

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
FLK-BEF	1	0.150	**6154968**

Alu Aluminium

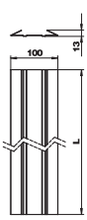


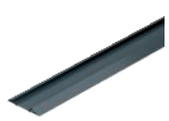


The Flexkanal is suspended from the fastening clamp. The holder is fastened using a countersunk union.

Floor rail for Flexkanal

Type	Length mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
FLK-BS2	2000	Anthracite grey	1	19.400	**6154983**

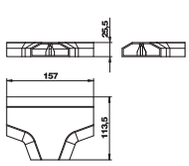


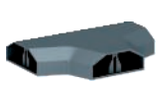


The Flexkanal is pushed directly into the floor rail. The ramp on both sides reduces the risk of stumbling.

T branch for Flexkanal

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
FLK-TAZ	Anthracite grey	1	8.700	**6154965**



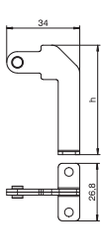


T branch for supply of working places with the Flexkanal.

Fastening bracket for Flexkanal in GES service outlet with 5 mm floor covering recess

Type	Material symbol	Pack. pcs	Weight kg/100 pcs.	Item No.
FKH GES5	St	1	1.200	**7407860**

St Steel
P Powder-coated





Fastening bracket to connect a Flexkanal to a GES service outlet with 5 mm floor covering recess. Dimension h = 43 mm.

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Always indicate the item number when ordering.





Modul 45® and standard – Suspended power supply units VH / VHF

Suspended energy distributors for workplaces and machines in industry, the trades and in training areas. The power supply units can be positioned freely in the room. The supply comes from the ceiling. They can be equipped flexibly from power, data and media technology through to work media such as compressed air.



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Always indicate the item number when ordering.

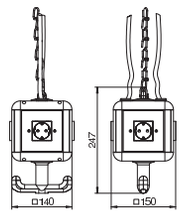
VH-4 power supply unit, 4x protective contact socket

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
VH-4 4SD	Graphite black	1	95.000	**6109802**

PA Polyamide

Housing equipped and pre-wired with suspension lug, grip hook and four cover plates.

Equipped as follows: 4x single protective contact sockets 16 A/250 V with increased touch protection, pre-wired for two AC currents, connection via 2x 3-pin terminals, 1x CEE socket 16 A/415 V, with partition for circuit separation.





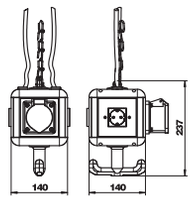
VH-4 power supply unit, 3x protective contact socket, 1x CEE 16 A

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
VH-4 3SD1C16	Graphite black	1	115.700	**6109804**

PA Polyamide

Housing equipped and pre-wired with suspension lug, grip hook and four cover plates.

Equipped as follows: 3x single protective contact sockets 16 A/250 V with increased touch protection, pre-wired for an AC current, connection via 1x 3-pin terminal, 1x CEE socket 16 A/415 V, with partition for circuit separation.



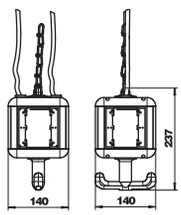


VH-4 power supply unit, empty housing

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
VH-4 LG	Graphite black	1	62.000	**6109800**

PA Polyamide

Empty housing with suspension lug and grip hook, for the installation of four electrical resources, with included partition. Without cover plates.



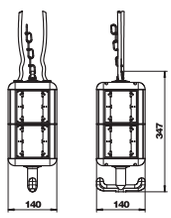


VH-8 power supply unit, empty housing

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
VH-8 LG	Graphite black	1	88.200	**6109821**

PA Polyamide

Empty housing with suspension lug and grip hook, for the installation of eight electrical resources, with included partition. Without cover plates.



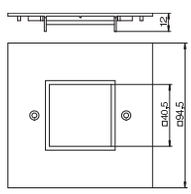


Cover plate VH, for Modul 45 devices, single

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
VH-P4	Rape yellow	1	2.030	**6109840**

PA Polyamide

Cover plate to install a single Modul 45 socket.



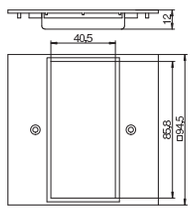


Cover plate VH, for Modul 45 devices, double

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
VH-P5	Rape yellow	1	1.830	**6109836**

PA Polyamide

Cover plate to install a double Modul 45 socket.



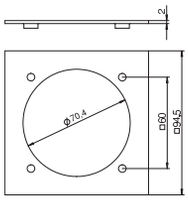


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Always indicate the item number when ordering.

Cover plate VH, for CEE connection unit





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
VH-P3	Rape yellow	1	1.870	**6109838**

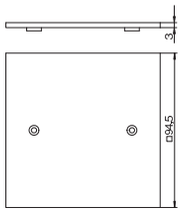
PA Polyamide

Cover plate with a Ø 70 mm opening for the installation of a CEE socket 16/32 A with 60 mm fastening track, including four fastening screws.

Information on equipment:
Max. 2 CEE sockets 16/32 A in a power supply unit VH-4
Max. 4 CEE sockets 16/32 A in a power supply unit VH-8

VH cover plate as blanking cover





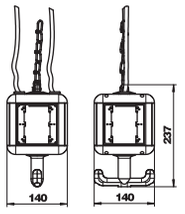
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
VH-P1	Rape yellow	1	3.000	**6109842**

PA Polyamide

Cover plate as blanking cover.

VH4 power supply unit, empty housing





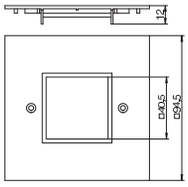
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
VH-4 LG RW	Pure white	1	72.000	**6109801**

PA Polyamide

Empty housing with suspension lug and grip hook, for the installation of four electrical resources, with included partition. Without cover plates.

Cover plate VH, for Modul 45 devices, single





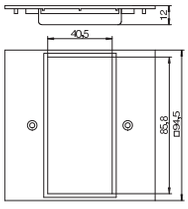
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
VH-P4 RW	Pure white	1	2.009	**6109841**

PA Polyamide

Cover plate to install a single Modul 45 socket.

Cover plate VH, for Modul 45 devices, double





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
VH-P5 RW	Pure white	1	1.830	**6109835**

PA Polyamide

Cover plate to install a double Modul 45 socket.

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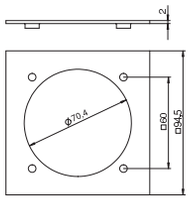
Cover plate VH, for CEE connection unit

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
VH-P3 RW	Pure white	1	2.000	**6109837**

PA Polyamide

Cover plate with a Ø 70 mm opening for the installation of a CEE socket 16/32 A with 60 mm fastening track, including four fastening screws.

Information on equipment:
Max. 2 CEE sockets 16/32 A in a power supply unit VH-4
Max. 4 CEE sockets 16/32 A in a power supply unit VH-8



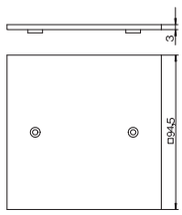


VH cover plate as blanking cover

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
VH-P1 RW	Pure white	1	3.000	**6109843**

PA Polyamide

Cover plate as blanking cover.

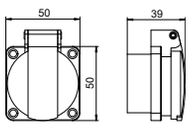




Surface-mounted socket 0° with hinged cover, protective contact, single

Type	Designation	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
ASD-D0 SW	prot. contact w. hinged cov.	Black	1	1.000	**6109873**

Protective contact extension socket 0° with hinged cover, with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1. Protection rating: IP44.

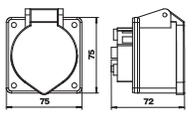




CEE connection unit, 16 A

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
CEE-16A	1	19.100	**6109874**

CEE socket with 60 mm fastening track, 3-pin + N + PE, 400 V, 16 A, 6 h.

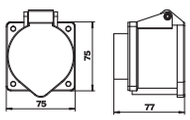




CEE connection unit, 32 A

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
CEE-32A	1	20.400	**6109876**

CEE socket with 60 mm fastening track, 3-pin + N + PE, 400 V, 32 A, 6 h.

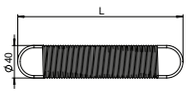




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Tension spring VH/VHF





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
VH-F100VA	1	31.000	**6109829**

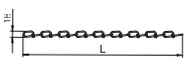
A2 Stainless steel, grade 301

Tension spring for VH/VHF power supply units, with German eyelet.

Fmax.= 100 N
L0 = 200 mm
Ln = 500 mm (for Fmax.)
Material: VA ø 3.0 mm

Knotted chain





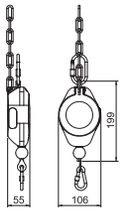
Type	Designation	Pack. m	Weight kg/100 m	Item No.
VH-K800	Sold by the metre	1	20.000	**6109870**

St Steel

Knotted chain made of pre-copper-plated steel, nickel-plated, according to DIN 5686.
Max. tensile force: 800 N.
Note: Specify the required chain length during ordering.

Positioner for VH power supply units





Type	Designation	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
VH-POS	Up to 6 kg load capacity	Orange	1	80.000	**6109887**

Positioner for variable height adjustment of a VH power supply unit, support load between 0.5 and 6.0 kg, maximum cable draw-out 1.5 m.

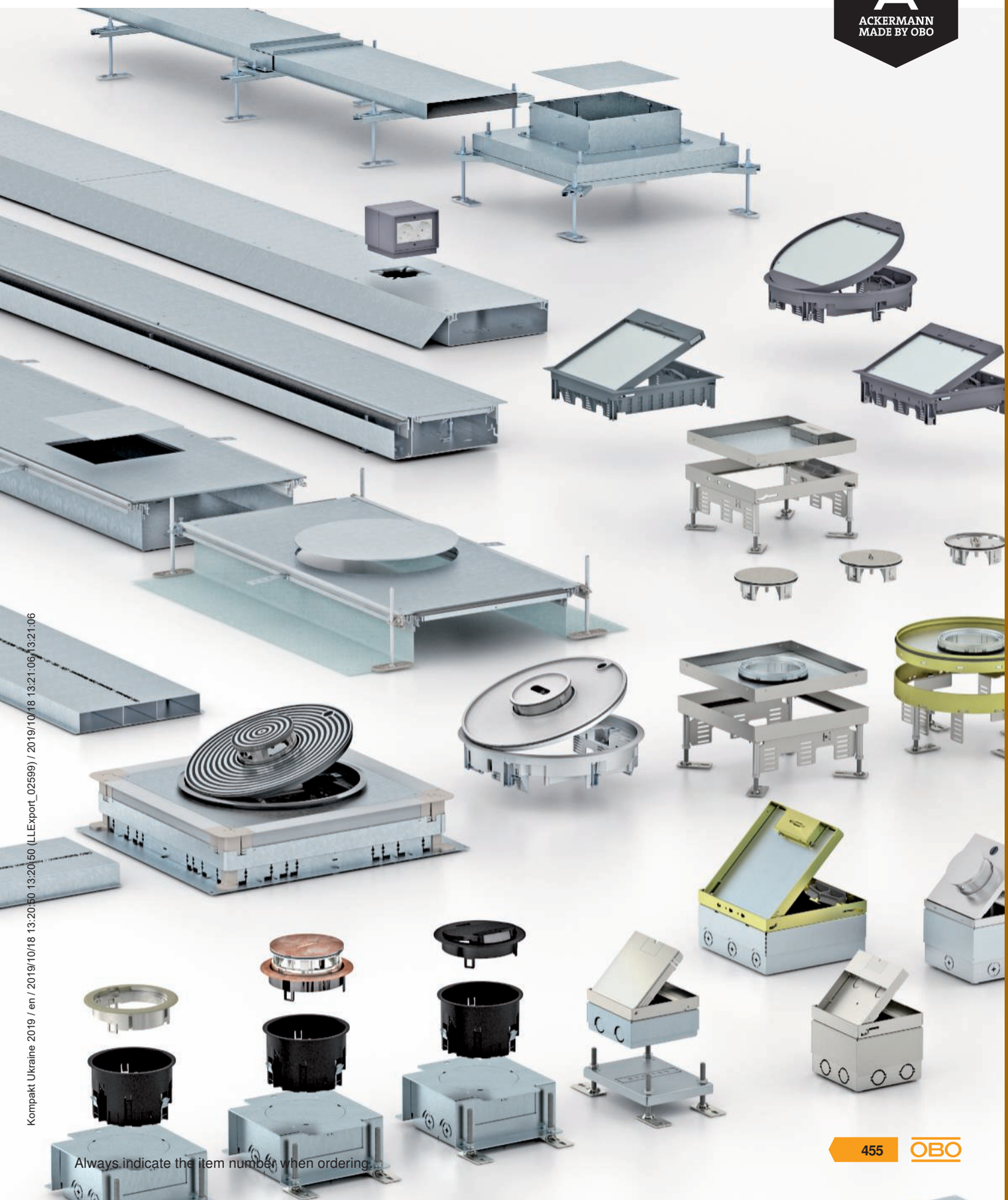
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Always indicate the item number when ordering.

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Underfloor systems



Always indicate the item number when ordering.

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Screed-covered duct system, EUK

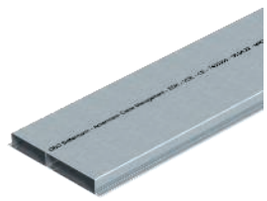


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Always indicate the item number when ordering.

Underfloor installation duct, 2-compartment

Type	Width mm	Length mm	Number of compartments pc.	Pack. m	Weight kg/100 m	Item No.
S2 19028	190	2000	2	2	334.000	**7400300**
S2 25028	250	2000	2	2	410.000	**7400312**

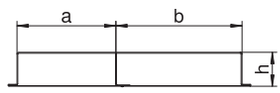


St Steel

FS Strip-galvanised

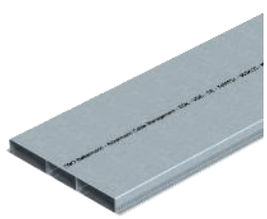
Underfloor installation duct for laying cables under the floor.

Type	Dimension a mm	Dimension b mm	Dimension h mm	Cross-section draw a mm²	Cross-section draw b mm²
S2 19028	80	110	28	2028	2808
S2 25028	110	140	28	2808	3588



Underfloor installation duct, 3-compartment

Type	Width mm	Length mm	Number of compartments pc.	Pack. m	Weight kg/100 m	Item No.
S3 25028	250	2000	3	2	438.000	**7400324**
S3 35028	350	2000	3	2	561.000	**7400336**

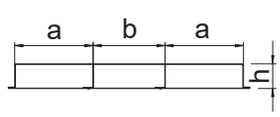


St Steel

FS Strip-galvanised

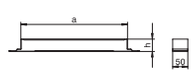
Underfloor installation duct for laying cables under the floor.

Type	Dimension a mm	Dimension b mm	Dimension h mm	Cross-section draw a mm²	Cross-section draw b mm²
S3 25028	90	70	28	2288	1794
S3 35028	120	110	28	3068	2834



Connection shackle

Type	Dimension a mm	Trunking height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
VL 19028E	190	28	1	24.900	**7400960**
VL 25028E	250	28	1	32.300	**7400966**
VL 35028E	350	28	1	36.800	**7400972**





St Steel

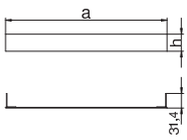
FS Strip-galvanised

Duct connectors for conductive mounting of screed-covered underfloor installation duct.

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Duct end closure piece





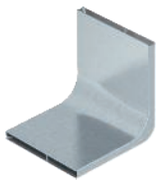
Type	Dimension a mm	Dimension h mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SES 19027	190	27	1	7.100	**7403980**
SES 25027	250	27	1	8.800	**7404002**
SES 35027	350	27	1	10.300	**7404014**

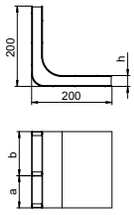
St Steel

FS Strip-galvanised

End cap for screed-covered and flushfloor underfloor installation ducts.

Vertical bend, two-compartment





Type	Width mm	Number of compartments pc.	Pack. pcs	Weight kg/100 pcs.	Item No.
KV2 19028	190	2	1	160.000	**7400620**
KV2 25028	250	2	1	201.000	**7400632**

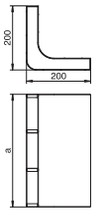
St Steel

FS Strip-galvanised

For vertical direction changes of screed-covered underfloor installation ducts (wall connections, supplies).

Vertical bend, three-compartment





Type	Width mm	Number of compartments pc.	Pack. pcs	Weight kg/100 pcs.	Item No.
KV3 25028	250	3	1	213.000	**7400644**
KV3 35028	350	3	1	275.000	**7400656**

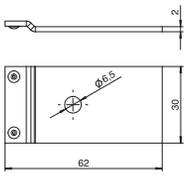
St Steel

FS Strip-galvanised

For vertical direction changes of screed-covered underfloor installation ducts (wall connections, supplies).

Duct connection bracket (conductive)





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
VW E	20	2.800	**7400980**

St Steel

FS Strip-galvanised

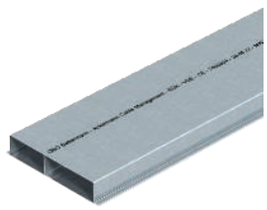
Connection brackets for the conductive connection between screed-covered duct and underfloor boxes UZD and UGD.

Always indicate the item number when ordering.

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Underfloor installation duct, 2-compartment

Type	Width mm	Length mm	Number of compartments pc.	Pack. m	Weight kg/100 m	Item No.
S2 19038	190	2000	2	2	349.000	**7400304**
S2 25038	250	2000	2	2	427.000	**7400316**

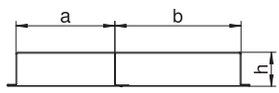


St Steel

FS Strip-galvanised

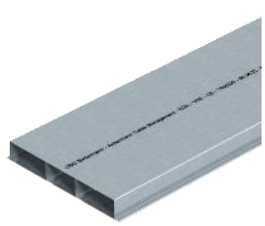
Underfloor installation duct for laying cables under the floor.

Type	Dimension a mm	Dimension b mm	Dimension h mm	Cross-section draw a mm²	Cross-section draw b mm²
S2 19038	80	110	38	2808	3888
S2 25038	110	140	38	3888	4968



Underfloor installation duct, 3-compartment

Type	Width mm	Length mm	Number of compartments pc.	Pack. m	Weight kg/100 m	Item No.
S3 25038	250	2000	3	2	466.000	**7400328**
S3 35038	350	2000	3	2	595.000	**7400340**

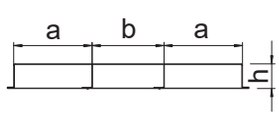


St Steel

FS Strip-galvanised

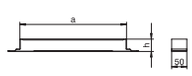
Underfloor installation duct for laying cables under the floor.

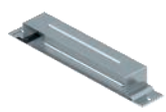
Type	Dimension a mm	Dimension b mm	Dimension h mm	Cross-section draw a mm²	Cross-section draw b mm²
S3 25038	90	70	38	3168	2484
S3 35038	120	110	38	4248	3924



Connection shackle

Type	Dimension a mm	Trunking height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
VL 19038E	190	38	1	25.800	**7400962**
VL 25038E	250	38	1	33.100	**7400968**
VL 35038E	350	38	1	40.400	**7400974**





St Steel

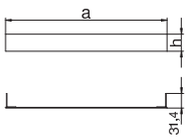
FS Strip-galvanised

Duct connectors for conductive mounting of screed-covered underfloor installation duct.

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Duct end closure piece





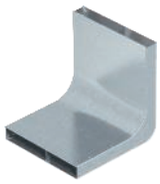
Type	Dimension a mm	Dimension h mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SES 19037	190	37	1	9.500	**7403984**
SES 25037	250	37	1	11.700	**7404006**
SES 35037	350	37	1	14.400	**7404018**

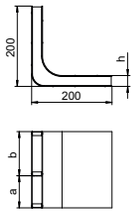
St Steel

FS Strip-galvanised

End cap for screed-covered and flushfloor underfloor installation ducts.

Vertical bend, two-compartment





Type	Width mm	Number of compartments pc.	Pack. pcs	Weight kg/100 pcs.	Item No.
KV2 19038	190	2	1	170.000	**7400624**
KV2 25038	250	2	1	210.000	**7400636**

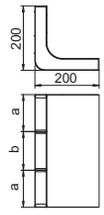
St Steel

FS Strip-galvanised

For vertical direction changes of screed-covered underfloor installation ducts (wall connections, supplies).

Vertical bend, three-compartment





Type	Width mm	Number of compartments pc.	Pack. pcs	Weight kg/100 pcs.	Item No.
KV3 25038	250	3	1	223.000	**7400648**
KV3 35038	350	3	1	286.000	**7400660**

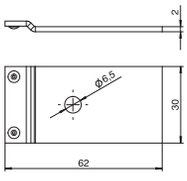
St Steel

FS Strip-galvanised

For vertical direction changes of screed-covered underfloor installation ducts (wall connections, supplies).

Duct connection bracket (conductive)





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
VW E	20	2.800	**7400980**

St Steel

FS Strip-galvanised

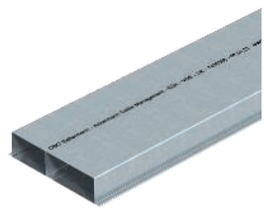
Connection brackets for the conductive connection between screed-covered duct and underfloor boxes UZD and UGD.

Always indicate the item number when ordering.

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Underfloor installation duct, 2-compartment

Type	Width mm	Length mm	Number of compartments pc.	Pack. m	Weight kg/100 m	Item No.
S2 19048	190	2000	2	2	376.000	**7400308**
S2 25048	250	2000	2	2	451.000	**7400320**

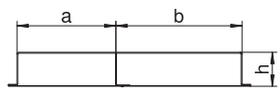


St Steel

FS Strip-galvanised

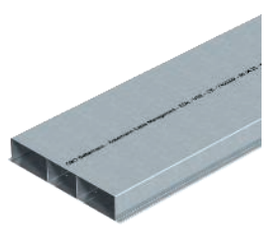
Underfloor installation duct for laying cables under the floor.

Type	Dimension a mm	Dimension b mm	Dimension h mm	Cross-section draw a mm²	Cross-section draw b mm²
S2 19048	80	110	48	3588	4968
S2 25048	110	140	48	4968	6348



Underfloor installation duct, 3-compartment

Type	Width mm	Length mm	Number of compartments pc.	Pack. m	Weight kg/100 m	Item No.
S3 25048	250	2000	3	2	500.000	**7400332**
S3 35048	350	2000	3	2	607.000	**7400344**

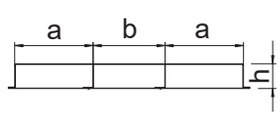


St Steel

FS Strip-galvanised

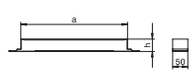
Underfloor installation duct for laying cables under the floor.

Type	Dimension a mm	Dimension b mm	Dimension h mm	Cross-section draw a mm²	Cross-section draw b mm²
S3 25048	90	70	48	4048	3174
S3 35048	120	110	48	5428	5014



Connection shackle

Type	Dimension a mm	Trunking height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
VL 19048E	190	48	1	26.600	**7400964**
VL 25048E	250	48	1	34.000	**7400970**
VL 35048E	350	48	1	41.200	**7400976**





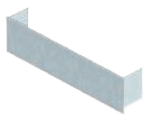
St Steel

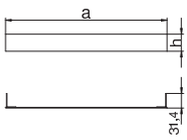
FS Strip-galvanised

Duct connectors for conductive mounting of screed-covered underfloor installation duct.

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Duct end closure piece





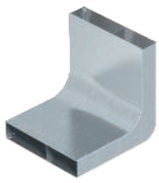
Type	Dimension a mm	Trunking height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SES 19047	190	48	1	12.500	**7403988**
SES 25047	250	48	1	16.000	**7404010**
SES 35047	350	48	1	17.900	**7404022**

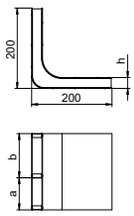
St Steel

FS Strip-galvanised

End cap for screed-covered and flushfloor underfloor installation ducts.

Vertical bend, two-compartment





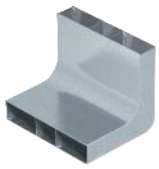
Type	Width mm	Number of compartments pc.	Pack. pcs	Weight kg/100 pcs.	Item No.
KV2 19048	190	2	1	176.000	**7400628**
KV2 25048	250	2	1	215.000	**7400640**

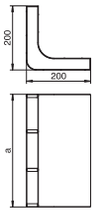
St Steel

FS Strip-galvanised

For vertical direction changes of screed-covered underfloor installation ducts (wall connections, supplies).

Vertical bend, three-compartment





Type	Width mm	Number of compartments pc.	Pack. pcs	Weight kg/100 pcs.	Item No.
KV3 25048	250	3	1	233.000	**7400652**
KV3 35048	350	3	1	296.000	**7400664**

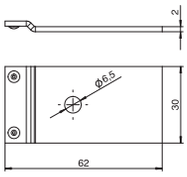
St Steel

FS Strip-galvanised

For vertical direction changes of screed-covered underfloor installation ducts (wall connections, supplies).

Duct connection bracket (conductive)





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
VW E	20	2.800	**7400980**

St Steel

FS Strip-galvanised

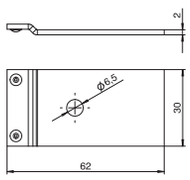
Connection brackets for the conductive connection between screed-covered duct and underfloor boxes UZD and UGD.

Always indicate the item number when ordering.

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Duct connection bracket (conductive)





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
VW E	20	2.800	**7400980**

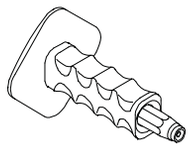
St Steel

FS Strip-galvanised

Connection brackets for the conductive connection between screed-covered duct and underfloor boxes UZD and UGD.

Flattener with hand protection





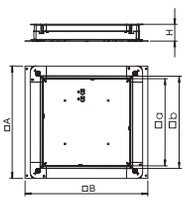
Type	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
915 RBS M4	5	1	52.000	**3031500**

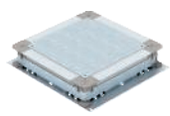
St Steel

Flattener with hand protection for OBO anchors 903/RB Ø 4 mm and also for OBO anchors 904 with M4 thread.

UZD250-3 for screed height 70–125 mm

Type	Dimension A mm	Dimension B mm	Dimension a mm	Dimension b mm	Screed height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UZD 250-3	367	410	262	283	70 - 125	1	420.000	**7410030**





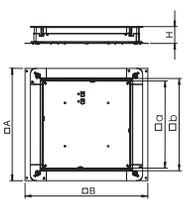
St Steel

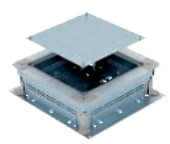
FS Strip-galvanised

Underfloor junction and branch box for screed-covered underfloor installation systems.
Side walls are prepared for duct widths 190 and 250 mm.

UZD250-3 for screed height 115–170 mm

Type	Dimension A mm	Dimension B mm	Dimension a mm	Dimension b mm	Screed height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UZD 115170 250-3	367	410	262	283	115 - 170	1	480.000	**7410043**





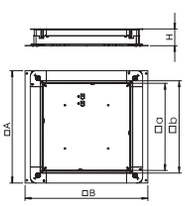
St Steel

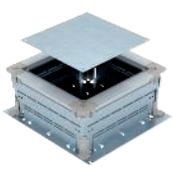
FS Strip-galvanised

Underfloor junction and branch box for screed-covered underfloor installation systems.
Side walls prepared for duct width 250 mm.

UZD250-3 for screed height 165–220 mm

Type	Dimension A mm	Dimension B mm	Dimension a mm	Dimension b mm	Screed height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UZD 165220 250-3	367	410	262	283	165 - 220	1	530.000	**7410052**





St Steel

FS Strip-galvanised

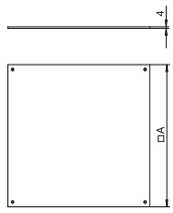
Underfloor junction and branch box for screed-covered underfloor installation systems.
Side walls prepared for duct width 250 mm.

Always indicate the item number when ordering.

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Blanking lid for UZD250-3





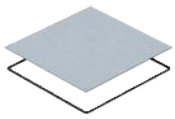
Type	Dimension A mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DU 250-2	282	1	250.000	**7400573**

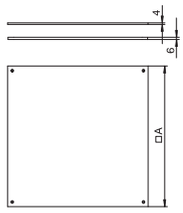
St Steel

FS Strip-galvanised

Blanking lid for frameless end cover of the underfloor junction and branch boxes of type UZD250-3.

Blanking lid, moisture-protected, for UZD250-3





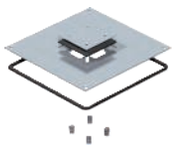
Type	Dimension A mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DUF 250-2	282	1	250.000	**7400589**

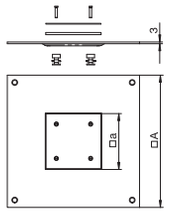
St Steel

FS Strip-galvanised

Blanking lid for moisture-protected, frameless end cover of the underfloor junction and branch boxes of type UZD250-3.

Mounting lid 250 for Telitank





Type	Dimension A mm	Dimension a mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DUF 250-3DAT	282	100	1	240.000	**7400613**

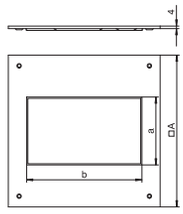
St Steel

FS Strip-galvanised

Mounting lid for underfloor junction and branch box of type UZD250-3 to install a Telitank. Installation opening 3 mm recessed as a later blanking lock with lid blind plate.

Mounting lid 250 for installation units of nominal size 2





Type	Dimension A mm	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DUG 250-3 2	282	105	181	1	180.000	**7400455**

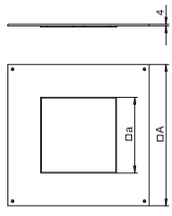
St Steel

FS Strip-galvanised

Mounting lid for underfloor junction and branch box of type UZD250-3 for the installation of a installation unit of nominal size 2. Installation opening 3 mm recessed for later blanking lock with lid blind plate.

Mounting lid 250 for installation units of nominal size 4





Type	Dimension A mm	Dimension a mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DUG 250-3 4	282	201	1	121.000	**7400459**

St Steel

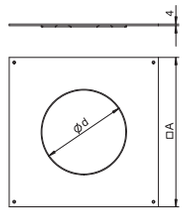
FS Strip-galvanised

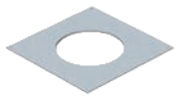
Mounting lid for underfloor junction and branch box of type UZD250-3 for the installation of a installation unit of nominal size 4. Installation opening 3 mm recessed for later blanking lock with lid blind plate.

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Mounting lid 250 for installation units of nominal size R4

Type	Dimension A mm	Dimension d Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DUG 250-3 R4	282	215	1	131.000	**7400471**





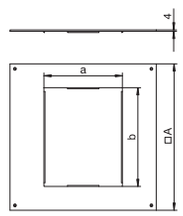
St Steel

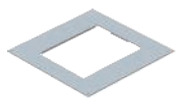
FS Strip-galvanised

Mounting lid for underfloor junction and branch boxes of type UZD250-3 for the installation of an installation unit of nominal size R4. Installation opening 3 mm recessed as a later blanking lock with lid blind plate.

Mounting lid 250 for installation units of nominal size 6

Type	Dimension A mm	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DUG 250-3 6	282	201	253	1	89.000	**7400463**





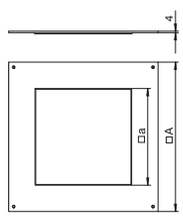
St Steel

FS Strip-galvanised

Mounting lid for underfloor junction and branch box of type UZD250-3 for the installation of a installation unit of nominal size 6. Installation opening 3 mm recessed for later blanking lock with lid blind plate.

Mounting lid 250 for installation units of nominal size 9

Type	Dimension A mm	Dimension a mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DUG 250-3 9	282	244	1	62.000	**7400467**





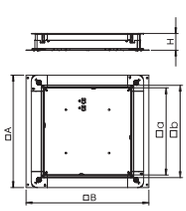
St Steel

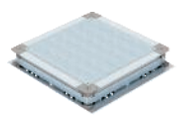
FS Strip-galvanised

Mounting lid for underfloor junction and branch box of type UZD250-3 for the installation of a installation unit of nominal size 9. Installation opening 3 mm recessed for later blanking lock with lid blind plate.

UZD350-3 for screed height 70–125 mm

Type	Dimension A mm	Dimension B mm	Dimension a mm	Dimension b mm	Screed height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UZD 350-3	467	510	362	383	70 - 125	1	590.000	**7410034**





St Steel

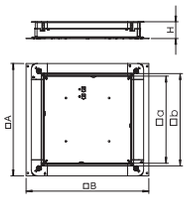
FS Strip-galvanised

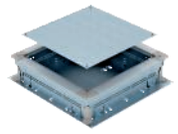
Underfloor junction and branch box for screed-covered underfloor installation systems.

Side walls prepared for duct widths of 190, 250 and 350 mm.

UZD350-3 for screed height 115–170 mm

Type	Dimension A mm	Dimension B mm	Dimension a mm	Dimension b mm	Screed height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UZD 115170 350-3	467	510	362	383	115 - 170	1	665.000	**7410047**





St Steel

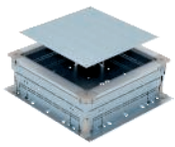
FS Strip-galvanised

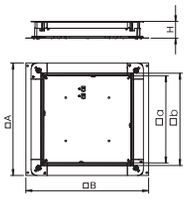
Underfloor junction and branch box for screed-covered underfloor installation systems.

Side walls prepared for duct widths 250 and 350 mm.

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UZD350-3 for screed height 165–220 mm





Type	Dimension A mm	Dimension B mm	Dimension a mm	Dimension b mm	Screed height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UZD 165220 350-3	467	510	362	383	165 - 220	1	740.000	**7410056**

St Steel

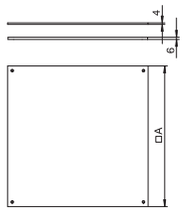
FS Strip-galvanised

Underfloor junction and branch box for screed-covered underfloor installation systems.

Side walls prepared for duct widths 250 and 350 mm.

Blanking lid for UZD350-3





Type	Dimension A mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DU 350-2	383	1	440.000	**7400577**

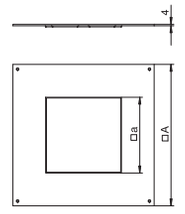
St Steel

FS Strip-galvanised

Blanking lid for frameless end cover of the underfloor junction and branch boxes of type UZD350-3.

Mounting lid 350 for installation units of nominal size 4





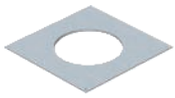
Type	Dimension A mm	Dimension a mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DUG 350-3 4	383	201	1	320.000	**7400505**

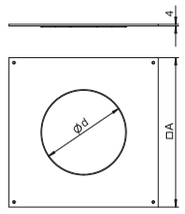
St Steel

FS Strip-galvanised

Mounting lid for underfloor junction and branch box of type UZD350-3 for the installation of a installation unit of nominal size 4. Installation opening 3 mm recessed for later blanking lock with lid blanking plate.

Mounting lid 350 for installation units of nominal size R4





Type	Dimension A mm	Dimension d Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DUG 350-3 R4	383	215	1	335.000	**7400517**

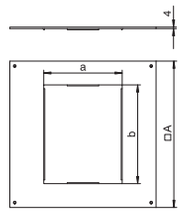
St Steel

FS Strip-galvanised

Mounting lid for underfloor junction and branch boxes of type UZD350-2 for the installation of an installation unit of nominal size R4. Installation opening 3 mm recessed as a later blanking lock with lid blanking plate.

Mounting lid 350 for installation units of nominal size 6





Type	Dimension A mm	Dimension a mm	Dimension b mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DUG 350-3 6	383	201	253	1	290.000	**7400509**

St Steel

FS Strip-galvanised

Mounting lid for underfloor junction and branch box of type UZD350-3 for the installation of a installation unit of nominal size 6. Installation opening 3 mm recessed for later blanking lock with lid blanking plate.

Always indicate the item number when ordering.

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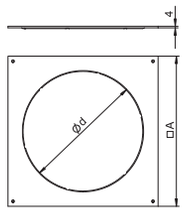
Mounting lid 350 for installation units of nominal size R7

Type	Dimension A mm	Dimension d Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DUG 350-3 R7	383	275	1	260.000	**7400533**

St Steel

FS Strip-galvanised

Mounting lid for underfloor junction and branch boxes of type UZD350-3 for the installation of an installation unit of nominal size R7. Installation opening 3 mm recessed as a later blanking lock with lid blanking plate.





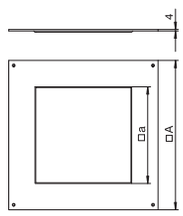
Mounting lid 350 for installation units of nominal size 9

Type	Dimension A mm	Dimension a mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DUG 350-3 9	383	244	1	267.000	**7400513**

St Steel

FS Strip-galvanised

Mounting lid for underfloor junction and branch box of type UZD350-3 for the installation of a installation unit of nominal size 9. Installation opening 3 mm recessed for later blanking lock with lid blanking plate.





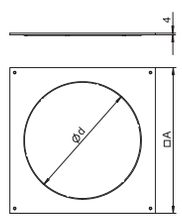
Mounting lid 350 for installation units of nominal size R9

Type	Dimension A mm	Dimension d Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DUG 350-3 R9	383	305	1	230.000	**7400549**

St Steel

FS Strip-galvanised

Mounting lid for underfloor junction and branch boxes of type UZD350-3 for the installation of an installation unit of nominal size R9. Installation opening 3 mm recessed as a later blanking lock with lid blanking plate.

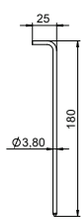




Accessories for underfloor connection sockets

Quick release aid



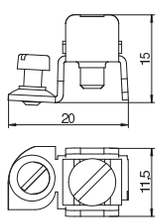


Type	Pack. pcs	Weight kg/100 pcs.	Item No.
SE UZD3	4	1.700	**7410160**

Quick release aid for underfloor boxes UZD-3 and UGD-3

Protective conductor connection bracket





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
8AWR	10	0.610	**6288704**

St Steel

G Electrogalvanised

Protective conductor connection bracket to include steel and aluminium device installation trunking, service poles and system components of underfloor trunking systems in the protective measure.
Clamping area: 2 x 1.5 – 4 mm²

If there is a fault, metallic parts will carry voltage. Tighten the contact screw with at least 1.2 Nm or ensure the contact with mechanical work.

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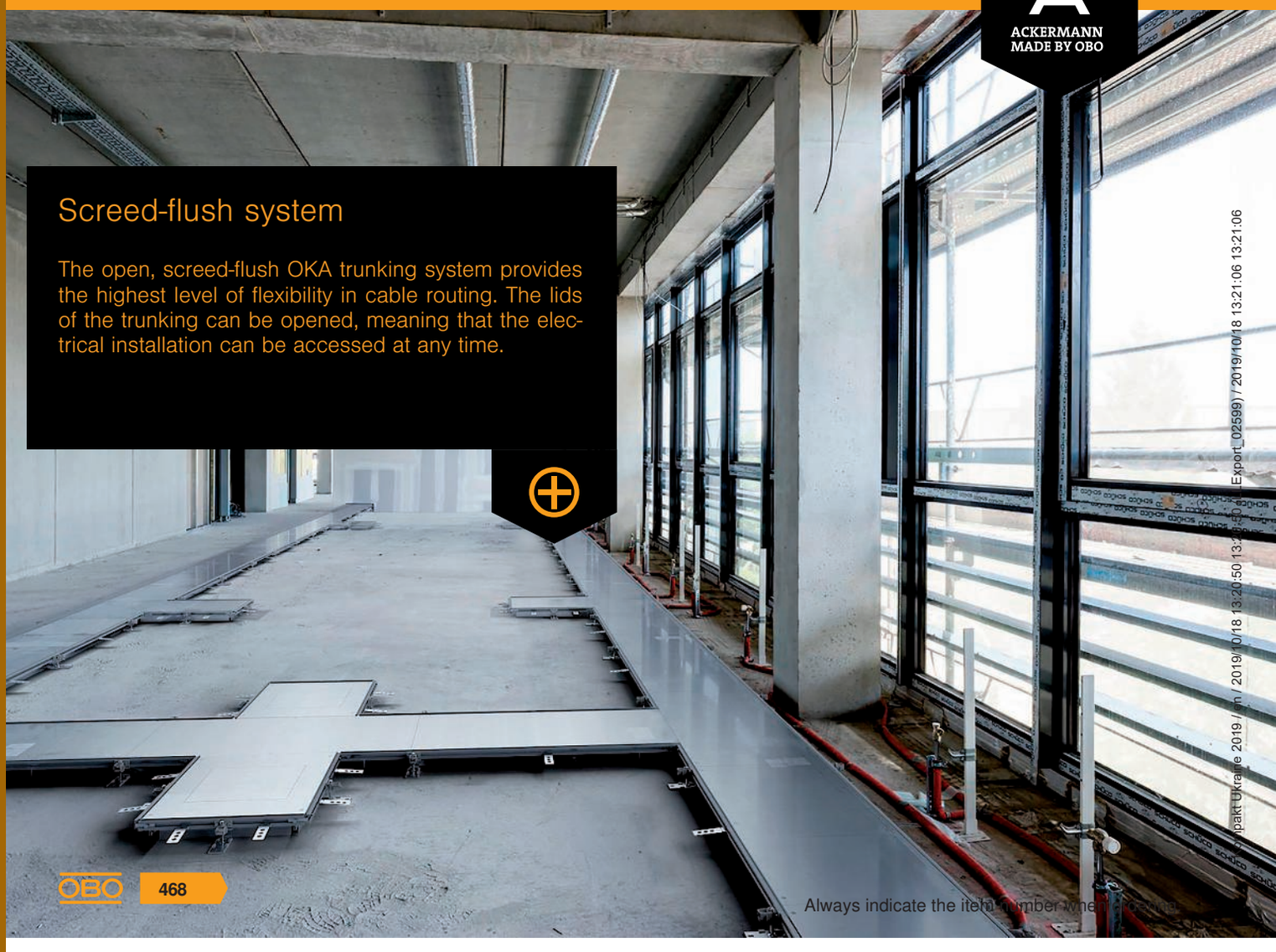
System 55 for thin screed layers

Low floor structure heights require special solutions for underfloor installations. System 55 is used for screed heights of 55 mm plus floor covering or higher. It is ideal for supplying large areas, particularly in offices and administrative buildings. The duct and trunking systems can be adapted to meet the specific requirements of the construction project and comprise screed-covered and screed-flush solution variants.

The System 55 service outlets have a fixed construction height of 55 mm. This allows simple installation of sockets, data and multimedia connections from the Modul 45 series from OBO Bettermann.

OBO BETTERMANN

ACKERMANN MADE BY OBO



Screed-flush system

The open, screed-flush OKA trunking system provides the highest level of flexibility in cable routing. The lids of the trunking can be opened, meaning that the electrical installation can be accessed at any time.

Always indicate the item number when ordering.

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Screed-flush system
The open, screed-flush OKA trunking system provides the highest level of flexibility in cable routing. The lids of the trunking can be opened, meaning that the electrical installation can be accessed at any time.

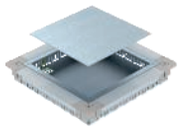


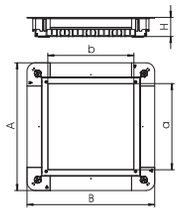
Screed-covered system
The closed, screed-covered EÜK underfloor system allows invisible cable routing, hidden in the screed, via installation pipes.



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Underfloor box UGD250-3 for GES9/55





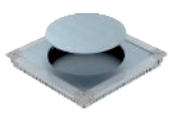
Type	Dimension A mm	Dimension B mm	Dimension a mm	Dimension b mm	Dimension h mm	Screed height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UGD55 250-3 9R	367	367	244	283	55	55 - 80	1	430.000	**7410060**

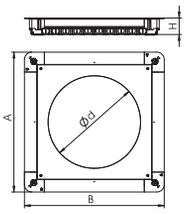
St Steel

FS Strip-galvanised

Underfloor mounting box with blanking lid and lid blanking plate for the installation of a square service outlet GES9/55 in screed heights of 55 mm or more. With pipe insertion openings per side: 7 x M20, 3 x M25, 4 x M32. Usable pipe size for system height 55 mm: M20.

Underfloor box UGD350-3 for GESR9/55





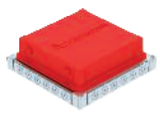
Type	Dimension A mm	Dimension B mm	Dimension d Ø mm	Screed height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UGD55 350-3R9R	467	467	305	55 - 80	1	775.000	**7410064**

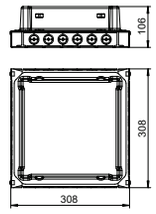
St Steel

FS Strip-galvanised

Underfloor mounting box with blanking lid and lid blanking plate for the installation of a round service outlet GESR9/55 in screed heights of 55 mm or more. With pipe insertion openings per side: 10 x M20, 3 x M25, 7 x M32. Usable pipe size for system height 55 mm: M20.

Underfloor box UDS9 for installation pipe and metal duct





Type	Screed height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UDSSD 25038 9	65 - 100	1	226.000	**7400353**

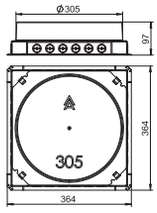
St Steel

FS Strip-galvanised

Underfloor outlet box with fixed, unchangeable 244 x 244 mm installation opening for an installation unit of nominal size 9. The mounting opening is created using the screed protection cover contained in the scope of supply. The underfloor box possesses installation openings for a 2 or 3-compartment sheet steel underfloor duct of nominal size 25038 as well as six M20 or M25 installation pipes on all four sides. The box is principally suited for use in floor structures in cement screed with a structure height of up to 90 mm.

Underfloor box UDSR9 for installation pipe and metal duct





Type	Dimension d Ø mm	Screed height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UDSSD 25038 R9	305	65 - 95	1	229.000	**7400359**

St Steel

FS Strip-galvanised

Underfloor outlet box with fixed, unchangeable installation opening of Ø 305 mm for an installation unit of nominal size R9. The mounting opening is created using the screed protection cover contained in the scope of supply. The underfloor box possesses installation openings for a 2 or 3-compartment sheet steel underfloor duct of nominal size 25038 as well as six M20 or M25 installation pipes on all four sides. The box is principally suited for use in floor structures in cement screed with a structure height of up to 95 mm.

Always indicate the item number when ordering.

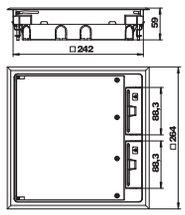
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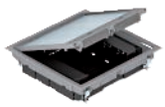
Service outlet, square, for screed height 55 mm

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GES9 55U V 7011	Iron grey	1	206.700	**7405037**
GES9 55U V 9011	Graphite black	1	206.700	**7405039**

PA Polyamide

GES9 service outlet with a fixed construction height of 55 mm. With two fitted plug housings for vertical mounting of Modul 45 devices and four strain reliefs. Two installation frames are required to mount Modul 45 devices.
The data modules are mounted using a maximum of two optional mounting plates MPMT45.
The service outlet is equipped with universal fastening brackets.



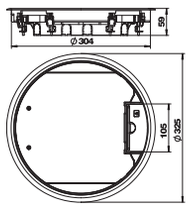


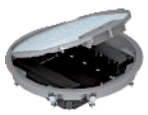
Service outlet, round, for screed height 55 mm

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GESR9 55U V 7011	Iron grey	1	255.000	**7405047**
GESR9 55U V 9011	Graphite black	1	255.000	**7405049**

PA Polyamide

GESR9 service outlet with a fixed construction height of 55 mm. With two fitted plug housings for vertical mounting of Modul 45 devices and four strain reliefs. Two installation frames are required to mount Modul 45 devices.
The data modules are mounted using an optional mounting plate MPMT45. The service outlet is equipped with universal fastening brackets.



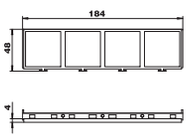


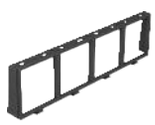
Installation frame for four single Modul 45® devices

Type	Material symbol	Pack. pcs	Weight kg/100 pcs.	Item No.
MT45V 4	PC/ABS	5	1.200	**7408670**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

For the installation of 4 individual Modul 45 devices for System 55 service outlet with mounting support for vertical installation of Modul 45 devices.
The installation frame is designed for use with 0° sockets (normal installation position, contact openings on right and left) and their use in conjunction with straight connectors (not angled connectors).



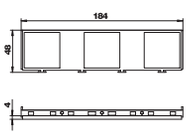


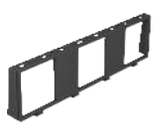
Installation frame for three single Modul 45® devices

Type	Material symbol	Pack. pcs	Weight kg/100 pcs.	Item No.
MT45V 3	PC/ABS	5	1.400	**7408672**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

For the installation of 3 individual Modul 45 devices for System 55 service outlet with mounting support for vertical installation of Modul 45 devices.
The installation frame is designed for use with 0° sockets (mounting direction turned through 90°, contact openings at top and bottom) and their use in conjunction with angled and straight connectors.



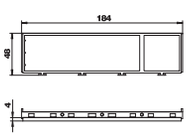


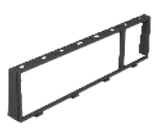
Installation frame for combination of 3x and 1x Modul 45® devices

Type	Material symbol	Pack. pcs	Weight kg/100 pcs.	Item No.
MT45V 3+1	PC/ABS	5	0.900	**7408680**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

For the installation of a combination of 3x and 1x Modul 45 socket for System 55 service outlet with mounting support for vertical installation of Modul 45 devices.
The installation frame is designed for use with 0° sockets for straight connectors (not angled connectors).

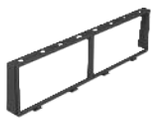


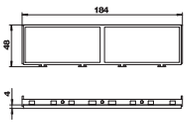


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Always indicate the item number when ordering.

Installation frame for combination of 2x and 2x Modul 45® devices





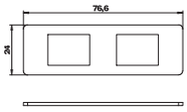
Type	Material symbol	Pack. pcs	Weight kg/100 pcs.	Item No.
MT45V 2+2	PC/ABS	5	0.900	**7408682**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

For the installation of a combination of 2x and 2x Modul 45 socket for System 55 service outlet with mounting support for vertical installation of Modul 45 devices.
The installation frame is designed for use with 0° sockets for straight connectors (not angled connectors).

Mounting plate 2 x data socket type A for System 55





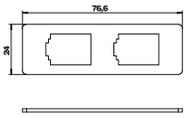
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MPMT45 2A	1	1.430	**7408701**

A2 Stainless steel, grade 304

Mounting plate to accept two connection sockets for data technology of the following types: AMP TYCO: Standard 110Connect, SL Series 110Connect and Toolless, AMP-Twist; Brand-Rex: unshielded module; GG45; TKM RJ MOD; Nexans: LANmark module with Adapter-Clip; Siemon CAT6; 3M K6 and K10.
Dimensions of a mounting opening in mm: 20.10 x 14.80.

Mounting plate 2 x data socket type B for System 55



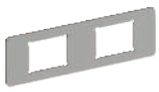


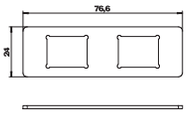
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MPMT45 2B	1	1.410	**7408703**

A2 Stainless steel, grade 304

Mounting plate to accept two connection sockets for data technology of the following types BTR: E-DAT Modul; Dätwyler: MS and MS-N module; Kerpen: VarioKeystone.
Dimensions of a mounting opening in mm: 19.35/21.55 x 14.85.

Mounting plate 2 x data socket type C for System 55





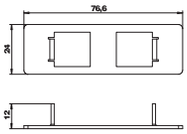
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MPMT45 2C	1	1.440	**7408705**

A2 Stainless steel, grade 304

Mounting plate to accept two connection sockets for data technology of the following types: Brand-Rex: shielded module; EKU: E-Stone module; Dätwyler: KS-T, MS-K and KU-T module; R&M: Snap-In and Keystone module; Rutenbeck: UM and UMflex module; SETEC: MKJ, UKJ and XKJ module; Siemon TERA; Telegärtner: AMJ and UMJ module.
Dimensions of a mounting opening in mm: 19.30 x 14.80.

Mounting plate 2 x data socket type F for System 55





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MPMT45 2F	1	1.640	**7408707**

A2 Stainless steel, grade 304

Mounting plate to accept two connection sockets for data technology, type Avaya/Systimax: M series.
Dimensions of a mounting opening in mm: 17.40 x 16.60.

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Telitank

Device installation units above the floor (Telitanks) are used for the installation of electrical devices. According to DIN EN 50085-2-2, Telitanks can be used in rooms with dry or wet-cleaned floors.

ACKERMANN MADE BY OBO

- Suitable for dry and wet-cleaned floors
- Can be used at low screed heights



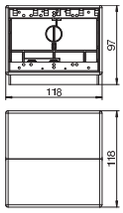
- Installation option for four to twelve Modul 45 devices
- With screed-flush trunking system: Screed heights < 70 mm possible

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Always indicate the item number when ordering.

Telitank T4B





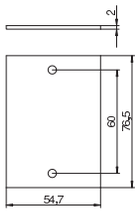
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
T4B 00C 7011	Iron grey	1	32.200	**7408288**
T4B 00C 9011	Graphite black	1	32.200	**7408292**

PA Polyamide

For combined installation of four individual accessories with support bracket (four accessories of one current type or two accessories each for two current types). The different current types are insulated against each other by a partition. Screw fixing groove for accessories: 60 mm vertical.

Cover plate, Telitank T4B, blank





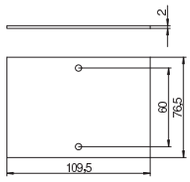
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
T4B P01S 9011	Graphite black	1	1.070	**7408220**

PVC Polyvinylchloride

Cover plate "blank", suitable for lengthwise side of T4B (1/2 cover)

Cover plate, Telitank T4B, blank





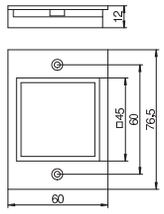
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
T4B P0S2 9011	Graphite black	1	2.160	**7408228**

PVC Polyvinylchloride

Cover plate "blank", suitable for lengthwise side of T4B (1/1 cover)

Cover plate, Telitank T4B, Modul 45 installation opening





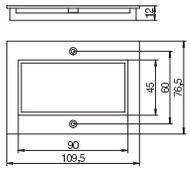
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
T4B P6 9011	Graphite black	1	0.910	**7408268**

PA Polyamide

Cover plate with rectangular opening for a single Modul 45 socket, suitable for lengthwise side of T4B (1/2 cover).

Cover plate, Telitank T4B, Modul 45 installation opening





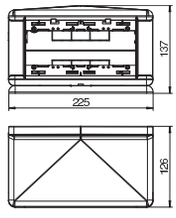
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
T4B P7 9011	Graphite black	1	1.648	**7408276**

PA Polyamide

Cover plate with rectangular opening for a double Modul 45 socket, suitable for T4B lengthwise side (1/1 cover).

Telitank T4L





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
T4L00C 9011	Graphite black	1	57.200	**7408300**
T4L00C7035	Light grey	1	57.200	**7408304**

PA Polyamide

Raised height installation unit for the installation of four individual accessories.

Designed for use only on AIK systems.

Always indicate the item number when ordering.

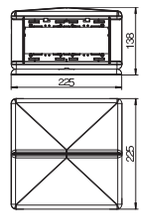
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Telitank T8NL

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
T8NL 00C 9011	Graphite black	1	123.330	7408494
T8NL 00C 7035	Light grey	1	123.330	7408498

PA Polyamide

Raised-height installation unit for the installation of eight individual accessories with a support ring or support bracket on four sides. The current types (4 + 4) are separated using a partition. When multiple accessories are used, the connection capacity can be increased. Screw fixing groove for accessories: 60 mm, vertical.



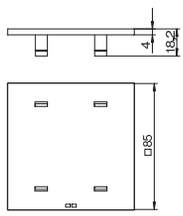


Cover plate, Telitank T4L/T8NL, blank

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
T8NL P01 9011	Graphite black	1	1.716	7408436
T8NL P01 7035	Light grey	1	1.732	7408440

PA Polyamide

Cover plate "blank", suitable for narrow side of T4L and T8NL or for T4L and T8NL lengthwise side (1/2 cover).



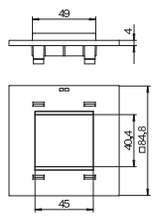


Cover plate, Telitank T4L/T8NL, Modul 45 installation opening

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
T8NL P45 9011	Graphite black	1	2.058	7408474
T8NL P45 7035	Light grey	1	2.058	7408478

PA Polyamide

Cover plate with rectangular opening for a single Modul 45 socket, suitable for narrow side of T4L and T8NL or for lengthwise side of T4L and T8NL (1/2 cover).



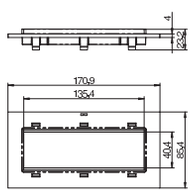


Cover plate, Telitank T4L/T8NL, Modul 45 installation opening

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
T8NL P105 9011	Graphite black	1	3.760	7408452
T8NL P105 7035	Light grey	1	3.760	7408456

PA Polyamide

Cover plate with rectangular opening for a triple Modul 45 socket, suitable for lengthwise side of T4L and T8NL (1/1 cover).



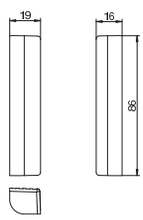


Corner panel T4L/T8NL, vaulted outwards

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
T8NL EB2 9011	Graphite black	2	3.160	7408428
T8NL EB2 7035	Light grey	2	3.160	7408432

PA Polyamide

Corner element for later installation in the T4L or T8NL housing. Corner element version: arched outwards.



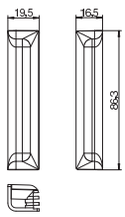


Corner panel T4L/T8NL, vaulted inwards

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
T8NL EB1 9011	Graphite black	2	2.000	7408420
T8NL EB1 7035	Light grey	2	2.000	7408424

PA Polyamide

Corner element for later installation in the T4L or T8NL housing. Corner element version: arched inwards.

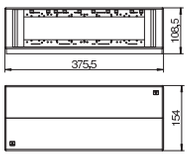




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Telitank T12L





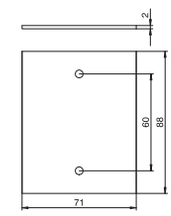
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
T12L 00C 7011	Iron grey	1	115.820	7408096
T12L 00C 9011	Graphite black	1	110.000	7408100

PA Polyamide

Raised-height Telitank installation units can be used in dry rooms with dry or wet-cleaned floors, according to the standard. They are installed on covers of empty underfloor boxes and trunking of the appropriate underfloor systems and on raised or cavity floors. A system opening of the type "DAT" is required for fixing on systems. Telitanks offer direct installation options for accessories with a support ring or support bracket with a 60 mm fixing groove. All the fixing grooves are arranged vertically. Modul 45 devices are locked directly into the appropriate cover plates. All the Telitank housings are made of shock-resistant polyamide and thus have a high load capacity. As the Telitanks have a fixed location, care should be taken during planning that they are not located in traffic areas.

Cover plate, Telitank T12L, blank



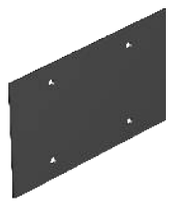


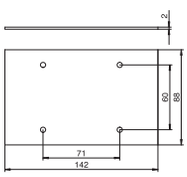
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
T12L P01S 9011	Graphite black	1	1.610	7408108

PVC Polyvinylchloride

Cover plate "blank", suitable for lengthwise side of T12L (1/4 cover) or for T12L narrow side (1/2 cover).

Cover plate, Telitank T12L, blank, for lengthwise side



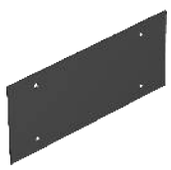


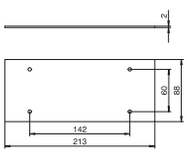
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
T12L P02S 9011	Graphite black	1	3.220	7408116

PVC Polyvinylchloride

Cover plate "blank", suitable for lengthwise side of T12L (1/2 cover).

Cover plate, Telitank T12L, blank, for lengthwise side



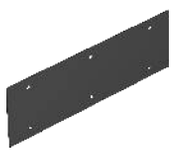


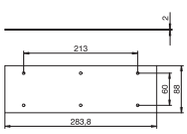
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
T12L P03S 9011	Graphite black	1	4.850	7408124

PVC Polyvinylchloride

Cover plate "blank", suitable for lengthwise side of T12L (3/4 cover).

Cover plate, Telitank T12L, blank, for lengthwise side





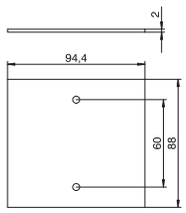
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
T12L P04S 9011	Graphite black	1	6.460	7408132

PVC Polyvinylchloride

Cover plate "blank", suitable for lengthwise side of T12L (1/1 cover).

Cover plate, Telitank T12L, blank, for lengthwise side





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
T12L P05S 9011	Graphite black	1	2.150	7408140

PVC Polyvinylchloride

Cover plate "blank", suitable for lengthwise side of T12L (1/3 cover).

Always indicate the item number when ordering.

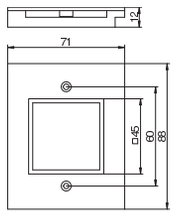
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Cover plate, Telitank T12L, Modul 45 installation opening

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
T12L P15S 9011	Graphite black	1	1.400	**7408148**

PA Polyamide

Cover plate with rectangular opening for a Modul 45 accessory, suitable for lengthwise side of T12L (1/4 cover) or for T12L narrow side (1/2 cover).



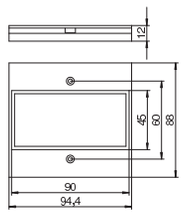


Cover plate, Telitank T12L, Modul 45 installation opening

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
T12L P16S 9011	Graphite black	1	1.560	**7408156**

PA Polyamide

Cover plate with rectangular opening for a double Modul 45 socket, suitable for lengthwise side of T12L (1/3 cover).



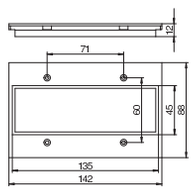


Cover plate, Telitank T12L, Modul 45 installation opening

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
T12L P17S 9011	Graphite black	10	2.200	**7408164**

PA Polyamide

Cover plate with rectangular opening for a triple Modul 45 socket, suitable for lengthwise side of T12L (1/2 cover).





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GES service outlets



Always indicate the item number when ordering.

GES service outlet, rectangular

Service outlets supply workstations and other areas in the centre of the room with power and data connections via the floor. Service outlets are suitable for installation in screed-flush and screed-covered underfloor systems.

- Universal service outlet for all systems
- Suitable for dry-cleaned floors
- Available in plastic and stainless steel

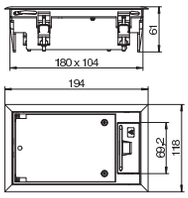


- Lid available with locking slider or handle clamp
- Adjustable for different covering thicknesses

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GES2 service outlet with handle clamp





Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GES2 U 7011	Iron grey	5	1	61.300	**7405116**
GES2 U 9011	Graphite black	5	1	61.300	**7405120**
GES2 U 1019	Grey-beige	5	1	61.300	**7405124**

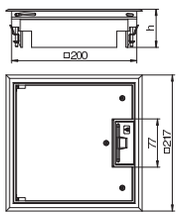
PA Polyamide

Service outlet with handle clamp for up to 3 individual Modul 45 devices in one UT3 universal support, use in duct systems and system floors.

Up to 2 installation devices with 50 mm central plate can be inserted.

GES4 service outlet with handle clamp





Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GES4 U 7011	Iron grey	5	1	139.500	**7405196**
GES4 U 9011	Graphite black	5	1	139.500	**7405200**
GES4 U 1019	Grey-beige	5	1	139.500	**7405204**

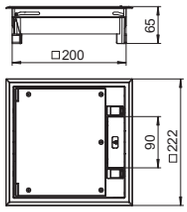
PA Polyamide

Service outlet with handle clamp for up to 6 individual Modul 45 devices in 2 UT3 universal supports, use in duct systems and system floors.

Up to 4 installation devices with 50 mm central plate can be inserted.

GES4 service outlet with locking slider





Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GES4-2U10T 7011	Iron grey	10	1	114.000	**7405145**
GES4-2U10T 9011	Graphite black	10	1	124.000	**7405146**
GES4-2U10T 1019	Grey-beige	10	1	124.000	**7405147**

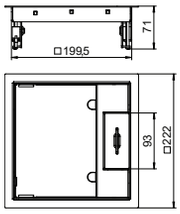
PA Polyamide

Service outlet with locking slider for up to 6 individual Modul 45 devices in 2 UT3 universal supports, use in duct systems and system floors.
Floor covering recess in the hinged cover pre-adjusted to 5 mm, if necessary adjustable to 3, 8 or 10 mm.

Up to 4 installation devices with 50 mm central plate can be inserted.

GES4M-2 service outlet with handle clamp





Type	Material symbol	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GES4M-2 10U	A2	10	1	260.000	**7405191**

A2 Stainless steel, grade 304

Service outlet with handle clamp for up to 6 individual Modul 45 devices in 2 UT3 universal supports, use in duct systems and system floors.
Locking ladder made of galvanised sheet steel.

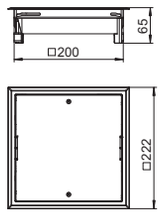
Up to 4 installation devices with 50 mm central plate can be inserted.

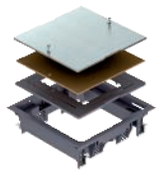
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ZES4 inspection cover

Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
ZES4-2 U10T 7011	Iron grey	10	1	158.000	**7406701**
ZES4-2 U10T 9011	Graphite black	10	1	158.000	**7406702**
ZES4-2 U10T 1019	Grey-beige	10	1	158.000	**7406703**

PA Polyamide



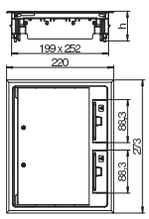


Draw box insert for blanking locking of a square mounting opening of nominal size 4 in trunking systems and system floors.
Floor covering recess is set to 5 mm on delivery, if necessary adjustable to 3, 8 or 10 mm.

GES6 service outlet with handle clamp

Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GES6 U 7011	Iron grey	5	1	157.500	**7405308**
GES6 U 9011	Graphite black	5	1	150.000	**7405312**
GES6 U 1019	Grey-beige	5	1	150.000	**7405316**

PA Polyamide



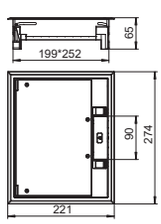


Service outlet with handle clamp for up to 9 individual Modul 45 devices in three UT3 universal supports, use in trunking systems and system floors.
Separate fastening brackets must be ordered for raised floor mounting.
Up to 6 installation devices with 50 mm central plate can be inserted.

GES6 service outlet with locking slider

Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GES6-2U10T 7011	Iron grey	10	1	138.000	**7405321**
GES6-2U10T 9011	Graphite black	10	1	138.000	**7405322**
GES6-2U10T 1019	Grey-beige	10	1	138.000	**7405323**

PA Polyamide



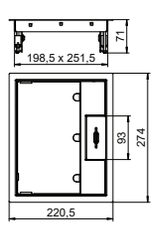


Service outlet with locking slider for up to 9 individual Modul 45 devices in 3 UT3 universal supports, use in duct systems and system floors.
Floor covering recess in the hinged cover pre-adjusted to 5 mm, if necessary adjustable to 3, 8 or 10 mm.
Up to 6 installation devices with 50 mm central plate can be inserted.

GES6M-2 service outlet with handle clamp

Type	Material symbol	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GES6M-2 10U	A2	10	1	320.000	**7405299**

A2 Stainless steel, grade 304

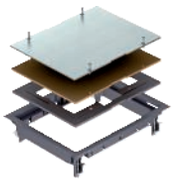


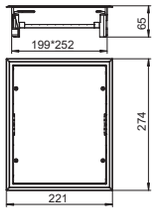


Service outlet with handle clamp for up to 9 individual Modul 45 devices in 3 UT3 universal supports, use in trunking systems and system floors.
Locking ladder made of galvanised sheet steel.
Up to 6 installation devices with 50 mm central plate can be inserted.

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ZES6 inspection cover



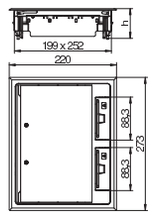


Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
ZES6-2 U10T 7011	Iron grey	10	1	150.000	**7406749**
ZES6-2 U10T 9011	Graphite black	10	1	150.000	**7406750**
ZES6-2 U10T 1019	Grey-beige	10	1	150.000	**7406751**

PA Polyamide

Junction box insert for blank closing of a rectangular mounting opening of nominal size 6 in an underfloor duct or trunking system or in raised floor. Polyamide floor covering profile.
Recess is 5 mm, if necessary, adjustable to 3, 8 or 10 mm.





Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GES6 DB 7011	Iron grey	5	1	163.400	**7405260**

PA Polyamide

Service outlet for six accessories in three GB2 mounting boxes for use in raised floors. Fixing bracket in a clamping range of up to 50 mm plate thickness.
Carpet protection frame, hinged cover and cord outlet made of polyamide.
5 mm floor covering recess in the hinged cover.

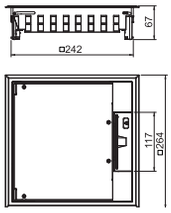
Also to be used in conjunction with the MT mounting support. The number of installable accessories depends on the type of accessories.

Up to 9 individual Modul 45® devices can be installed.

GES service outlets for dry-cleaned floors, nominal size 9

GES9-3B service outlet with handle clamp





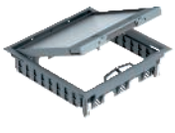
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GES9-3B U 7011	Iron grey	1	205.000	**7405077**
GES9-3B U 9011	Graphite black	1	205.000	**7405079**
GES9-3B U 1019	Grey-beige	1	205.000	**7405081**

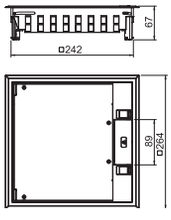
PC/ABS Polycarbonate/acrylonitrile butadiene styrene

Service outlet with handle clamp for up to 12 individual Modul 45 devices in 3 UT4 universal supports, use in trunking systems and system floors.
Floor covering recess in the hinged cover pre-adjusted to 5 mm, if necessary adjustable to 10 mm.

Up to 9 installation devices with 50 mm central plate can be inserted.

GES9-3S service outlet with locking slider





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GES9-3S U 7011	Iron grey	1	199.500	**7405083**
GES9-3S U 9011	Graphite black	1	199.500	**7405085**
GES9-3S U 1019	Grey-beige	1	199.500	**7405087**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

Service outlet with locking slider for up to 12 individual Modul 45 devices in 3 UT4 universal supports, use in duct systems and system floors.
Floor covering recess in the hinged cover pre-adjusted to 5 mm, if necessary adjustable to 10 mm.

Up to 9 installation devices with 50 mm central plate can be inserted.

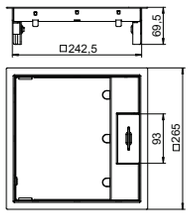
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GES9M-2 service outlet with handle clamp

Type	Material symbol	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GES9M-2 10U	A2	10	1	360.000	**7405371**

A2 Stainless steel, grade 304

Service outlet with handle clamp for up to 12 individual Modul 45 devices in 3 UT4 universal supports, use in duct systems and system floors.
Locking ladder made of galvanised sheet steel
Up to 9 installation devices with 50 mm central plate can be inserted.



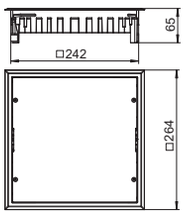


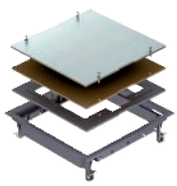
ZES9 inspection cover

Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
ZES9-2 U10T 7011	Iron grey	10	1	206.300	**7406672**
ZES9-2 U10T 9011	Graphite black	10	1	206.300	**7406674**
ZES9-2 U10T 1019	Grey-beige	10	1	206.300	**7406676**

PA Polyamide

Junction box insert for blank closing of a square mounting opening of nominal size 9 in an underfloor duct or trunking system or in raised floor. Polyamide floor covering profile.
Recess is 5 mm, if necessary, adjustable to 3, 8 or 10 mm.





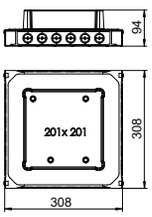
Underfloor box UDS4 for installation pipe and metal duct

Type	Screed height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UDSSD 25038 4	65 - 90	1	277.400	**7400349**

St Steel

FS Strip-galvanised

Underfloor outlet box with fixed, unchangeable 201 x 201 mm installation opening for an installation unit of nominal size 4. The mounting opening is created using the screed protection cover contained in the scope of supply. The underfloor box possesses installation openings for a 2 or 3-compartment sheet steel underfloor duct of nominal size 25038 as well as six M20 or M25 installation pipes on all four sides. The box is principally suited for use in floor structures in cement screed with a structure height of up to 90 mm.





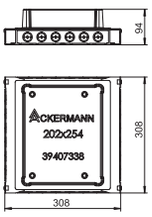
Underfloor box UDS6 for installation pipe and metal duct

Type	Screed height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UDSSD 25038 6	65 - 90	1	232.000	**7400351**

St Steel

FS Strip-galvanised

Underfloor outlet box with fixed, unchangeable 202 x 254 mm installation opening for an installation unit of nominal size 6. The mounting opening is created using the screed protection cover contained in the scope of supply. The underfloor box possesses installation openings for a 2 or 3-compartment sheet steel underfloor duct of nominal size 25038 as well as six M20 or M25 installation pipes on all four sides. The box is principally suited for use in floor structures in cement screed with a structure height of up to 90 mm.

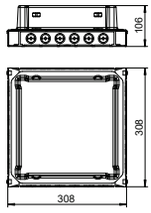




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Underfloor box UDS9 for installation pipe and metal duct





Type	Screed height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UDSSD 25038 9	65 - 100	1	226.000	**7400353**

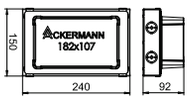
St Steel

FS Strip-galvanised

Underfloor outlet box with fixed, unchangeable 244 x 244 mm installation opening for an installation unit of nominal size 9. The mounting opening is created using the screed protection cover contained in the scope of supply. The underfloor box possesses installation openings for a 2 or 3-compartment sheet steel underfloor duct of nominal size 25038 as well as six M20 or M25 installation pipes on all four sides. The box is principally suited for use in floor structures in cement screed with a structure height of up to 90 mm.

Underfloor box UGE2 for installation pipe and metal duct





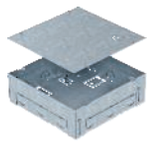
Type	Screed height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UGE 2C	70 - 90	1	74.100	**7428062**

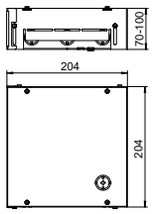
St Steel

FS Strip-galvanised

Underfloor outlet box with fixed, unchangeable 106 x 182 mm installation opening for an installation unit of nominal size 2. The mounting opening is created using the screed protection cover contained in the scope of supply. The underfloor box has two openings for M20 conduit on the narrow sides. The underfloor box is suitable for screed floor constructions with height 70 mm up to 90 mm.

Underfloor box for GES4





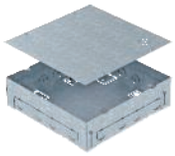
Type	Length mm	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UDHOME BOX 4	205	205	1	128.000	**7427430**

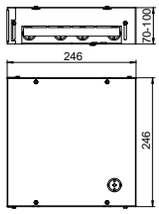
St Steel

FS Strip-galvanised

Square installation housing for one GES4-2 service unit for use in screed floors. With pre-marked insertion openings for pipelines (M25) on all four sides.
In the as-delivered state, the installation housing is closed with a mounting protection cover.
The minimum installation depth is 70 mm, the height-adjustment range + 30 mm.

Underfloor box for GES9





Type	Length mm	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UDHOME BOX 9	247	247	1	171.000	**7427432**

St Steel

FS Strip-galvanised

Square installation housing for one GES9-2 service unit for use in screed floors. With pre-marked insertion openings for pipelines (M25) on all four sides.
In the as-delivered state, the installation housing is closed with a mounting protection cover.
The minimum installation depth is 70 mm, the height-adjustment range + 30 mm.

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GES service outlets, round

Service outlets supply workstations and other areas in the centre of the room with power and data connections via the floor. There are versions for dry and wet-cleaned floors. Service outlets are suitable for installation in screed-flush and screed-covered underfloor systems.

- Universal service outlet for all systems
- Suitable for dry or wet-cleaned floors
- Adjustable for different covering thicknesses

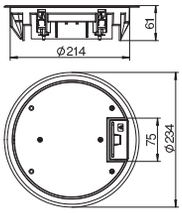


- GESR7 and GESR9 available in aluminium or plastic
- GRAF9 suitable for wet cleaning and high load requirements of up to 7.5 kN

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GESR4 service outlet with handle clamp





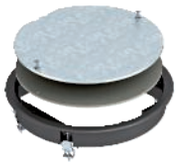
Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GESR4 U 7011	Iron grey	5	1	140.000	**7405436**
GESR4 U 9011	Graphite black	5	1	140.000	**7405440**
GESR4 U 1019	Grey-beige	5	1	140.000	**7405444**

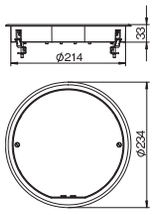
PA Polyamide

Service outlet with handle clamp for up to 6 individual Modul 45 devices in 2 UT3 universal supports, use in duct systems and system floors.

Up to 4 installation devices with 50 mm central plate can be inserted.

ZESR4 inspection cover





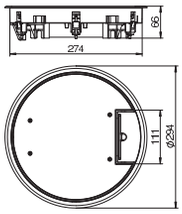
Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
ZESR4 U 7011	Iron grey	5	1	140.000	**7406772**
ZESR4 U 9011	Graphite black	5	1	140.000	**7406776**
ZESR4 U 1019	Grey-beige	5	1	140.000	**7406780**

PA Polyamide

Draw box insert for blanking locking of a square round mounting opening of nominal size R4 in trunking systems and system floors.

GESR7 service outlet with handle clamp





Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GESR7 10U 7011	Iron grey	10	1	238.200	**7405452**
GESR7 10U 9011	Graphite black	10	1	250.500	**7405456**
GESR7 10U 1019	Grey-beige	10	1	250.500	**7405460**

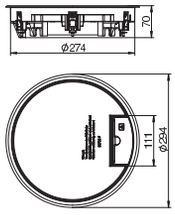
PA Polyamide

Service outlet with handle clamp for up to 10 individual Modul 45 devices in 2 UT3 and one UT4 universal support, use in duct systems and system floors.

Up to 7 installation devices with 50 mm central plate can be inserted.

GESRA7/10 service outlet with handle clamp





Type	Material symbol	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GESRA7 10U	AlG	10	1	206.500	**7405544**

AlG Cast aluminium

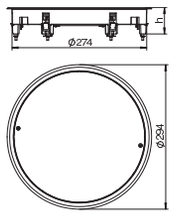
Service outlet with handle clamp for up to 10 individual Modul 45 devices in 2 UT3 and one UT4 universal support, use in duct systems and system floors.
Cord outlet made from polyamide RAL 9011.
10 mm floor covering recess in hinged cover can be reduced to 5 mm using enclosed pressboard filler.

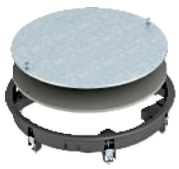
Up to 7 installation devices with 50 mm central plate can be inserted.

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ZESR7 inspection cover

Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
ZESR7 10U 7011	Iron grey	10	1	225.800	**7406788**
ZESR7 10U 9011	Graphite black	10	1	225.800	**7406792**
ZESR7 10U 1019	Grey-beige	10	1	225.800	**7406796**



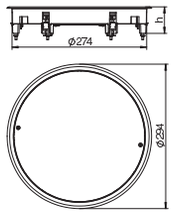


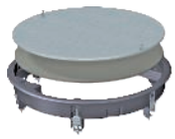
PA Polyamide

Junction box insert for blank closing of a round mounting opening of nominal size R7 in trunking systems and in raised and cavity floors. With universal fixing bracket.
Polyamide carpet protection frame.

ZESRA7 inspection cover

Type	Material symbol	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
ZESRA7 10U	AlG	10	1	225.800	**7406824**



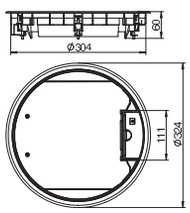


AlG Cast aluminium

Junction box insert for blank closing of a round mounting opening of nominal size R7 in trunking systems and in raised and cavity floors. With universal fixing bracket.
Carpet protection frame made of die-cast aluminium.

GESR9 service outlet with handle clamp

Type	Colour	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GESR9 U 7011	Iron grey	5	1	232.000	**7405528**
GESR9 U 9011	Graphite black	5	1	232.000	**7405532**
GESR9 U 1019	Grey-beige	5	1	232.000	**7405536**





PA Polyamide

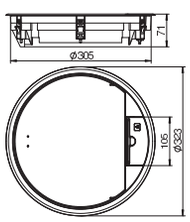
Service outlet with handle clamp for up to 12 individual Modul 45 devices in 3 UT4 universal supports, use in duct systems and system floors.

Also to be used in conjunction with the MT mounting support. The number of installable accessories depends on the type of accessories.

Up to 9 installation devices with 50 mm central plate can be inserted.

GESRA9/10 service outlet with handle clamp

Type	Material symbol	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GESRA9 10U	AlG	10	1	120.500	**7405580**





AlG Cast aluminium

Service outlet with handle clamp for up to 12 individual Modul 45 devices in 3 UT4 universal supports, use in duct systems and system floors.

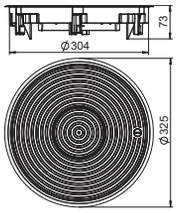
Service outlet with handle clamp, 3-compartment, for the installation of MT9 mounting support. Three type APMT5 cover plates can be installed.

Up to 9 installation devices with 50 mm central plate can be inserted.

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GRAF9 universal service outlet, wet-care with structured lid





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GRAF9-2 U 7011	Iron grey	1	246.000	**7405746**
GRAF9-2 U 9011	Graphite black	1	246.000	**7405750**
GRAF9-2 U 1019	Grey-beige	1	246.000	**7405754**

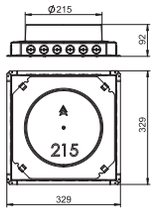
AlG Cast aluminium

Service outlet with tube body for wet-cleaned floors for up to 12 individual Modul 45 devices in 3 UT4 universal supports, use in duct systems and system floors.

Up to 9 installation devices with 50 mm central plate can be inserted.

Underfloor box UDSR4 for installation pipe and metal duct





Type	Dimension d Ø mm	Screed height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UDSSD 25038 R4	215	65 - 90	1	224.500	**7400355**

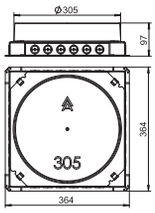
St Steel

FS Strip-galvanised

Underfloor outlet box with fixed, unchangeable installation opening of Ø 215 mm for an installation unit of nominal size R4. The mounting opening is created using the screed protection cover contained in the scope of supply. The underfloor box possesses installation openings for a 2 or 3-compartment sheet steel underfloor duct of nominal size 25038 as well as six M20 or M25 installation pipes on all four sides. The box is principally suited for use in floor structures in cement screed with a structure height of up to 90 mm.

Underfloor box UDSR9 for installation pipe and metal duct





Type	Dimension d Ø mm	Screed height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UDSSD 25038 R9	305	65 - 95	1	229.000	**7400359**

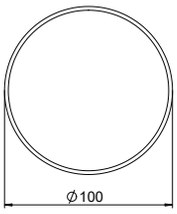
St Steel

FS Strip-galvanised

Underfloor outlet box with fixed, unchangeable installation opening of Ø 305 mm for an installation unit of nominal size R9. The mounting opening is created using the screed protection cover contained in the scope of supply. The underfloor box possesses installation openings for a 2 or 3-compartment sheet steel underfloor duct of nominal size 25038 as well as six M20 or M25 installation pipes on all four sides. The box is principally suited for use in floor structures in cement screed with a structure height of up to 95 mm.

Round seal for tube body





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
RD2 TUK2	1	0.200	**7407098**

EPDM Ethylene propylene diene rubber DIN 1629

Round seal for tube body TUK2 - spare part.

Care agent for cassette seal and tube body seal



Type	Pack. pcs	Weight kg/100 pcs.	Item No.
PF-G	1	0.800	**7407110**

PTFE Synthetic oil-based montage paste

Cleaning agent for round seals RD2, flat seals FD2 QNK and tube body seal RD2TUK2.

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Seals for GRAF9-2 (spare part)

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
RD GRAF9-2	1	1.650	**7407099**

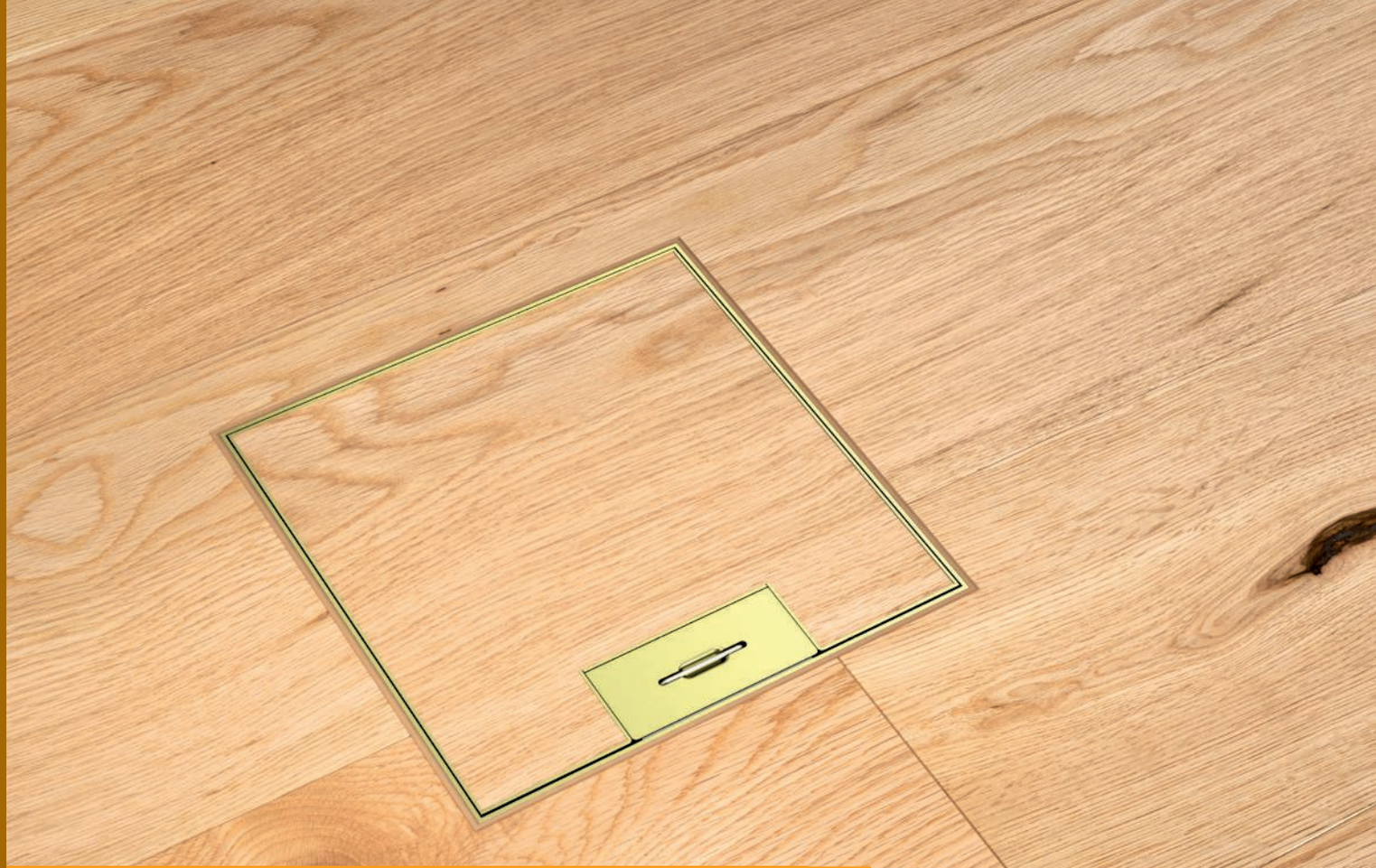
EPDM Ethylene propylene diene rubber DIN 1629

Round seals for GRAF9-2 and tube body - spare part.



Always indicate the item number when ordering.

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Cassettes – height-adjustable and decouplable

The compact, flush-floor cassettes from Ackermann made by OBO provide power, data and multimedia connections in a high-quality design. The cassettes can be adjusted to the height of the floor and can be installed completely decoupled as a special construction type. They are available in round and rectangular versions. There are versions for dry, moist and wet-care floor coverings. Cassettes are suitable for raised and cavity floors and all kinds of screed-flush underfloor systems.



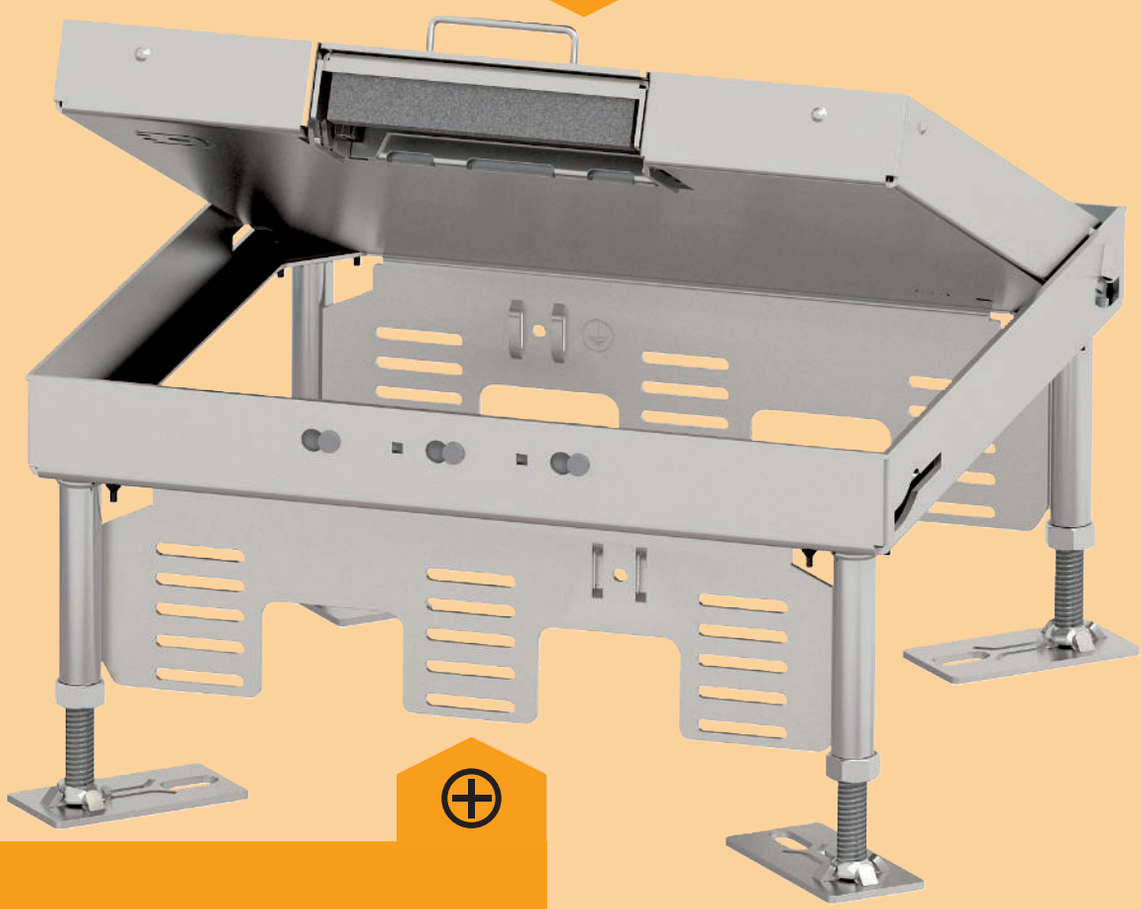
Always indicate the item number when ordering.

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Height-adjustable cassettes

The compact, flush-floor cassettes from Ackermann made by OBO offer power, data and multimedia connections in the smallest areas. The height-adjustable cassettes can be adjusted exactly to the top edge of the floor covering. The cassettes can be installed inside underfloor duct systems in a screed box or in system floors. They are fastened to the raw concrete using height-adjustment units.

- Can be used in UZD underfloor sockets and system floors
- Tube body variant suitable for wet cleaning
- High stability through height-adjustment units



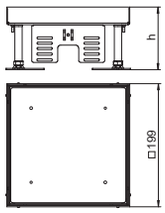
- Suitable for high-quality floor coverings
- Cassettes with 20 and 25 mm floor covering recess
- Available in stainless steel and brass

Always indicate the item number when ordering.

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Height-adjustable cassette for inspection opening, RKN, stainless steel





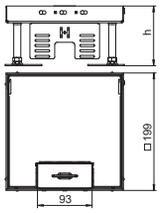
Type	Nominal size	Dimension h mm	Floor covering thickness mm	Floor height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RKN2 4 VS 20	4	100	20	100 - 150	1	341.000	**7409014**
RKN2 4 VS 25	4	105	25	105 - 155	1	384.000	**7409016**

A2 Stainless steel, grade 304

Height-adjustable "blank" cassette for the creation of an inspection opening of nominal size 4 in dry or wet-care floors. Only suitable for smooth floor coverings.

Height-adjustable cassette with cord outlet, RKSN, stainless steel





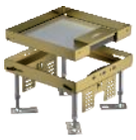
Type	Nominal size	Dimension h mm	Floor covering thickness mm	Floor height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RKSN2 4 VS 20	4	105	20	105 - 150	1	305.000	**7409208**
RKSN2 4 VS 25	4	110	25	110 - 155	1	318.000	**7409210**

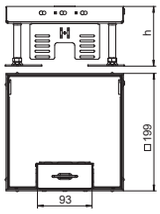
A2 Stainless steel, grade 304

Height-adjustable cassette of nominal size 4 with cord outlet for installation of accessories in dry-cleaned floors.

Height-adjustable cassette with cord outlet, 2-compartment, for the installation of MT4 mounting support. Two type APMT2 cover plates can be installed.

Height-adjustable cassette with cord outlet, RKSN, brass





Type	Nominal size	Dimension h mm	Floor covering thickness mm	Floor height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RKSN2 4 MS 20	4	105	20	105 - 150	1	322.400	**7409202**
RKSN2 4 MS 25	4	110	25	110 - 155	1	328.000	**7409204**

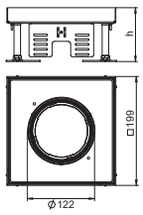
CuZn Brass

Height-adjustable cassette of nominal size 4 with cord outlet for installation of accessories in dry-care floors.

Height-adjustable cassette with cord outlet, 2-compartment, for the installation of MT4 mounting support. Two type APMT2 cover plates can be installed.

Height-adjustable cassette for tube body, RKFN, stainless steel





Type	Nominal size	Dimension h mm	Floor covering thickness mm	Floor height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RKFN2 4 VS 20	4	105	20	105 - 150	1	295.200	**7409362**
RKFN2 4 VS 25	4	110	25	110 - 155	1	441.000	**7409364**

A2 Stainless steel, grade 304

Height-adjustable cassette of nominal size 4 for tube body for installation of accessories in dry or wet-cleaned floors.

Height-adjustable cassette with tube body, 2-compartment, for the installation of MT4 mounting support. Two type APMT2 cover plates can be installed.

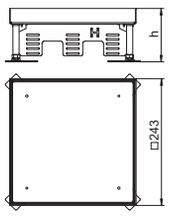
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Height-adjustable cassette for inspection opening, RKN, stainless steel

Type	Nominal size	Dimension h mm	Floor covering thickness mm	Floor height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RKN2 9 VS 20	9	100	20	100 - 150	1	440.000	**7409044**
RKN2 9 VS 25	9	105	25	105 - 155	1	451.000	**7409046**

A2 Stainless steel, grade 304

Height-adjustable "blank" cassette for the creation of an inspection opening of nominal size 9 in dry or wet-cleaned floors. Only suitable for smooth floor coverings.





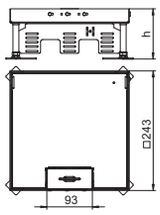
Height-adjustable cassette with cord outlet, RKSN, stainless steel

Type	Nominal size	Dimension h mm	Floor covering thickness mm	Floor height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RKSN2 9 VS 20	9	105	20	105 - 150	1	430.000	**7409218**
RKSN2 9 VS 25	9	110	25	110 - 155	1	444.000	**7409220**

A2 Stainless steel, grade 304

Height-adjustable cassette of nominal size 9 with cord outlet for installation of accessories in dry-care floors.

Height-adjustable cassette with cord outlet, 3-compartment, for the installation of MT9 mounting support. Three type APMT5 cover plates can be installed.



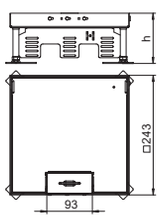


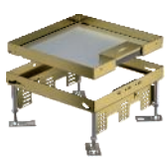
Height-adjustable cassette with cord outlet, RKSN, brass

Type	Nominal size	Dimension h mm	Floor covering thickness mm	Floor height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RKSN2 9 MS 20	9	105	20	105 - 150	1	432.000	**7409212**
RKSN2 9 MS 25	9	110	25	110 - 155	1	619.000	**7409214**

CuZn Brass

Height-adjustable cassette with cord outlet, 3-compartment, for the installation of MT9 mounting support. Three type APMT5 cover plates can be installed.





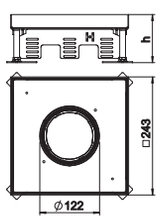
Height-adjustable cassette for tube body, RKFN, stainless steel

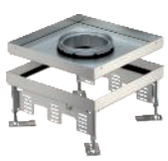
Type	Nominal size	Dimension h mm	Floor covering thickness mm	Floor height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RKFN2 9 VS 20	9	105	20	105 - 150	1	407.100	**7409368**
RKFN2 9 VS 25	9	110	25	110 - 155	1	501.000	**7409370**

A2 Stainless steel, grade 304

Height-adjustable cassette of nominal size 9 for tube body for installation of accessories in dry or wet-cleaned floors.

Height-adjustable cassette with tube body, 3-compartment, for the installation of MT9 mounting support. Three type APMT5 cover plates can be installed.





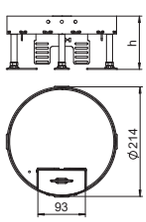
Height-adjustable cassette with cord outlet, RKSR, stainless steel

Type	Nominal size	Dimension h mm	Floor covering thickness mm	Floor height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RKS2 R4 V20	R4	110	20	110 - 155	1	233.000	**7409258**
RKS2 R4 V25	R4	110	25	110 - 155	1	233.000	**7409260**

A2 Stainless steel, grade 304

Height-adjustable cassette of nominal size R4 with cord outlet for installation of accessories in dry-care floors.

Height-adjustable cassette with cord outlet, 2-compartment, for the installation of MT4 mounting support. Two type APMT2 cover plates can be installed.

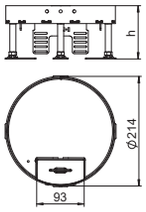




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Height-adjustable cassette with cord outlet, RKSR, brass





Type	Nominal size	Dimension h mm	Floor covering thickness mm	Floor height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RKS2 R4 M20	R4	110	20	110 - 155	1	233.000	**7409252**
RKS2 R4 M25	R4	110	25	110 - 155	1	233.000	**7409254**

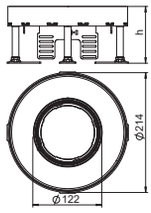
CuZn Brass

Height-adjustable cassette of nominal size R4 with cord outlet for installation of accessories in dry-care floors.

Height-adjustable cassette with cord outlet, 2-compartment, for the installation of MT4 mounting support. Two type APMT2 cover plates can be installed.

Height-adjustable cassette for tube body, RKFR, stainless steel





Type	Nominal size	Dimension h mm	Floor covering thickness mm	Floor height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RKFR2 4 V20	R4	110	20	110 - 155	1	220.000	**7409422**
RKFR2 4 V25	R4	110	25	110 - 155	1	220.000	**7409424**

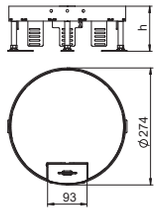
A2 Stainless steel, grade 304

Height-adjustable cassette of nominal size R4 for tube body for installation of accessories in dry or wet-cleaned floors.

Height-adjustable cassette with tube body, 2-compartment, for the installation of MT4 mounting support. Two type APMT2 cover plates can be installed.

Height-adjustable cassette with cord outlet, RKSR, stainless steel



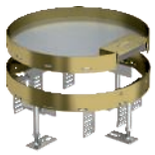


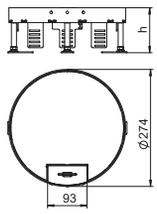
Type	Nominal size	Dimension h mm	Floor covering thickness mm	Floor height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RKS2 R7 V20	R7	110	20	110 - 155	1	340.000	**7409268**
RKS2 R7 V25	R7	110	25	110 - 155	1	340.000	**7409270**

A2 Stainless steel, grade 304

Height-adjustable cassette of nominal size R7 with cord outlet for installation of accessories in dry-care floors.

Height-adjustable cassette with cord outlet, RKSR, brass





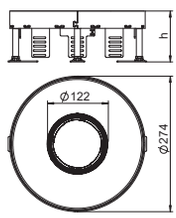
Type	Nominal size	Dimension h mm	Floor covering thickness mm	Floor height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RKS2 R7 M20	R7	110	20	110 - 155	1	350.000	**7409262**
RKS2 R7 M25	R7	110	25	110 - 155	1	350.000	**7409264**

CuZn Brass

Height-adjustable cassette of nominal size R7 with cord outlet for installation of accessories in dry-care floors.

Height-adjustable cassette for tube body, RKFR, stainless steel





Type	Nominal size	Dimension h mm	Floor covering thickness mm	Floor height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RKFR2 7 V20	R7	110	20	110 - 155	1	325.000	**7409426**
RKFR2 7 V25	R7	110	25	110 - 155	1	325.000	**7409428**

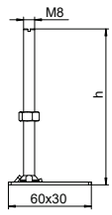
A2 Stainless steel, grade 304

Height-adjustable cassette of nominal size R7 for tube body for installation of accessories in dry or wet-cleaned floors.

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Height adjustment unit RKNEV2

Type	Dimension h mm	Pack. PU	Weight kg/100 PUs	Item No.
RK NEV2 150	150	1	30.000	**7405816**





St Steel

G Electrogalvanised

For flush-floor height adjustment of the height adjustable cassette units and the OKB screed-flush trunking system. The VPE consists of 4 height adjustment units.

Dimensions

Dimension "h" mm	RKN2, 20 mm mm	RKN2, 25 mm mm	RK(S+F)N2, 20 mm mm	RK(S+F)N2, 25 mm mm	RKR2, 20/25 mm mm	RK(S+F)R2, 20/25 mm mm	OKB mm
150	180 - 230	185 - 235	185 - 230	190 - 235	185 - 235	190 - 235	173 - 213

Fitter for height-adjustable cassette





Type	Nominal size	Pack. pcs	Weight kg/100 pcs.	Item No.
AS 4	4	1	4.200	**7406948**
AS 9	9	1	7.970	**7406952**

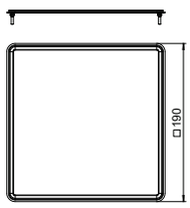
St Steel

FS Strip-galvanised

Lid put up for holding up the square, height-adjustable cassette, with cord outlet.

Flat seal for square height-adjustable cassette, nominal size (spare part)





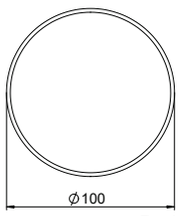
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
FD 4 QNK2	1	1.300	**7407107**
FD 9 QNK2	1	1.700	**7407109**

EPDM Ethylene propylene diene rubber DIN 1629

Flat seal for height-adjustable square cassettes RKN2 and RKFN2 of nominal sizes 4 and 9.

Round seal for tube body





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
RD2 TUK2	1	0.200	**7407098**

EPDM Ethylene propylene diene rubber DIN 1629

Round seal for tube body TUK2 - spare part.

Care agent for cassette seal and tube body seal



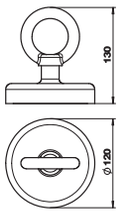
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
PF-G	1	0.800	**7407110**

PTFE Synthetic oil-based montage paste

Cleaning agent for round seals RD2, flat seals FD2 QNK and tube body seal RD2TUK2.

Magnetic lifter, 1,300 N



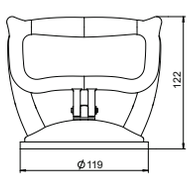


Type	Pack. pcs	Weight kg/100 pcs.	Item No.
WZ 1028	1	201.600	**7408630**

For lifting out cassettes, boxes and trunking lids.
Adhesive force: 1,300 N.

Suction lifter, 300 N



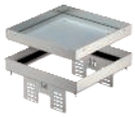


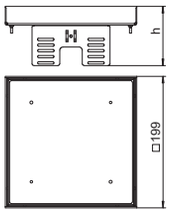
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
WZ 1029	1	51.000	**7408634**

For lifting out cassettes, boxes and trunking lids. Support force 300 N.

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Height-adjustable, decouplable cassette for inspection opening, RKNUZD3, stainless steel





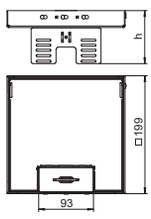
Type	Nominal size	Dimension h mm	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RKN2 UZD3 4VS20	4	90	20	1	217.000	**7409058**
RKN2 UZD3 4VS25	4	95	25	1	222.000	**7409060**

A2 Stainless steel, grade 304

Height-adjustable "blank" cassette, decoupled from the floor, for the creation of an inspection opening of nominal size 4 in dry or wet-cleaned floors, for mounting in underfloor boxes UZD250-3 or UZD350-3, either in conjunction with a blanking lid DUG../4 or in UGD250-3/4 or UGD350-3/4. Mounting takes place using levelling profiles (order separately) in the aluminium frame profile of the underfloor boxes. Only suitable for smooth floor coverings.

Height-adjustable, decouplable cassette with cord outlet, RKSNUZD3, stainless steel



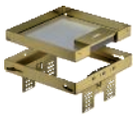


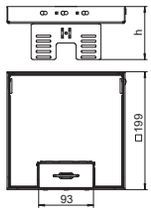
Type	Nominal size	Dimension h mm	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RKSN2 UZD3 4VS20	4	90	20	1	274.000	**7409228**
RKSN2 UZD3 4VS25	4	95	25	1	286.000	**7409230**

A2 Stainless steel, grade 304

Height-adjustable cassette, decoupled from the floor, of nominal size 4, with cord outlet, for the installation of accessories in dry-cleaned floors, for mounting in underfloor boxes UZD250-3 or UZD350-3, either in conjunction with a blanking lid DUG../4 or in UGD250-3/4 or UGD350-3/4. Mounting takes place using levelling profiles (order separately) in the aluminium frame profile of the underfloor boxes.

Height-adjustable, decouplable cassette with cord outlet, RKSNUZD3, brass



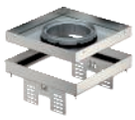


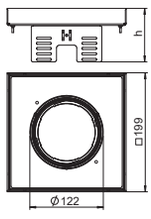
Type	Nominal size	Dimension h mm	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RKSN2 UZD3 4MS20	4	90	20	1	224.000	**7409222**
RKSN2 UZD3 4MS25	4	95	25	1	229.000	**7409224**

CuZn Brass

Height-adjustable cassette, decoupled from the floor, of nominal size 4, with cord outlet, for the installation of accessories in dry-cleaned floors, for mounting in underfloor boxes UZD250-3 or UZD350-3, either in conjunction with a blanking lid DUG../4 or in UGD250-3/4 or UGD350-3/4. Mounting takes place using levelling profiles (order separately) in the aluminium frame profile of the underfloor boxes.

Height-adjustable, decouplable cassette for tube body, RKFNUZD3, stainless steel





Type	Nominal size	Dimension h mm	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RKFN2 UZD3 4VS20	4	90	20	1	197.000	**7409372**
RKFN2 UZD3 4VS25	4	95	25	1	202.000	**7409374**

A2 Stainless steel, grade 304

Height-adjustable cassette, decoupled from the floor, of nominal size 4, for tube bodies, for the installation of accessories in dry or wet-cleaned floors, for mounting in underfloor boxes UZD250-3 or UZD350-3, either in conjunction with a mounting lid DUG../4 or in UGD250-3/4 or UGD350-3/4. Mounting takes place using height adjustment brackets (order separately) in the aluminium frame profile of the underfloor boxes.

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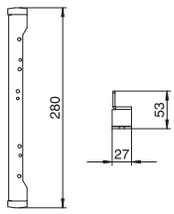
Height adjustment bracket for installation in UGD250-3 for one square cassette

Type	Material symbol	Pack. pcs	Weight kg/100 pcs.	Item No.
NW 250-3 QK	St	1	74.000	**7410540**

St Steel

FS Strip-galvanised

Height adjustment bracket to mount the square height-adjustable cassettes in the underfloor connection socket, type UZD250-3 or UGD250-3.
With all the components necessary for mounting and height adjustment.





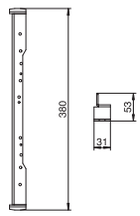
Height adjustment bracket for installation in UGD350-3 for one square cassette

Type	Material symbol	Pack. pcs	Weight kg/100 pcs.	Item No.
NW 350-3 QK	St	1	94.000	**7410544**

St Steel

FS Strip-galvanised

Height adjustment bracket to mount the square height-adjustable cassettes in the underfloor connection socket, type UZD350-3 or UGD350-3.
With all the components necessary for mounting and height adjustment.





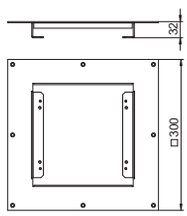
Mounting lid for height-adjustable cassette of nominal size 4 in system bases

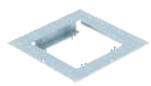
Type	Width mm	Length mm	Cut-out dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DUG RK UAN 4	300	300	204x204	1	115.000	**7428544**

St Steel

F Hot-dip galvanised

Mounting lid for the installation of height-adjustable cassettes of nominal size 4 in system floors.



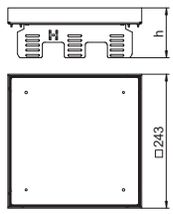


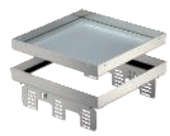
Height-adjustable, decouplable cassette for inspection opening, RKNUZD3, stainless steel

Type	Nominal size	Dimension h mm	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RKN2 UZD3 9VS20	9	90	20	1	351.000	**7409066**
RKN2 UZD3 9VS25	9	95	25	1	359.000	**7409068**

A2 Stainless steel, grade 304

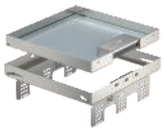
Height-adjustable "blank" cassette, decoupled from the floor, for the creation of an inspection opening of nominal size 9 in dry or wet-cleaned floors, for mounting in underfloor boxes UZD250-3 or UZD350-3, either in conjunction with a blanking lid DUG../9 or in UGD250-3/9 or UGD350-3/9. Mounting takes place using levelling profiles (order separately) in the aluminium frame profile of the underfloor boxes. Only suitable for smooth floor coverings.

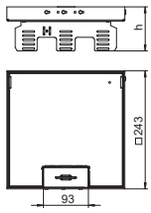




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Height-adjustable, decouplable cassette with cord outlet, RKSNUZD3, stainless steel



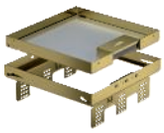


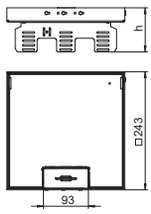
Type	Nominal size	Dimension h mm	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RKSN2 UZD3 9VS20	9	90	20	1	338.000	**7409238**
RKSN2 UZD3 9VS25	9	95	25	1	346.000	**7409240**

A2 Stainless steel, grade 304

Height-adjustable cassette, decoupled from the floor, of nominal size 9, with cord outlet, for the installation of accessories in dry-cleaned floors, for mounting in underfloor boxes UZD250-3 or UZD350-3, either in conjunction with a blanking lid DUG../9 or in UGD250-3/9 or UGD350-3/9. Mounting takes place using levelling profiles (order separately) in the aluminium frame profile of the underfloor boxes.

Height-adjustable, decouplable cassette with cord outlet, RKSNUZD3, brass



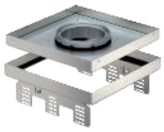


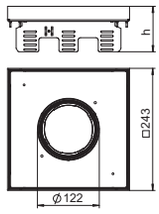
Type	Nominal size	Dimension h mm	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RKSN2 UZD3 9MS20	9	90	20	1	348.000	**7409232**
RKSN2 UZD3 9MS25	9	95	25	1	356.000	**7409234**

CuZn Brass

Height-adjustable cassette, decoupled from the floor, of nominal size 9, with cord outlet, for the installation of accessories in dry-cleaned floors, for mounting in underfloor boxes UZD250-3 or UZD350-3, either in conjunction with a blanking lid DUG../9 or in UGD250-3/9 or UGD350-3/9. Mounting takes place using levelling profiles (order separately) in the aluminium frame profile of the underfloor boxes.

Height-adjustable, decouplable cassette for tube body, RKFNUZD3, stainless steel



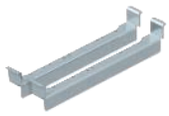


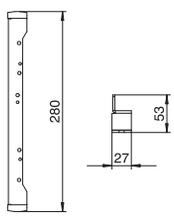
Type	Nominal size	Dimension h mm	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RKFN2UZD3 9VS20	9	90	20	1	346.000	**7409378**
RKFN2UZD3 9VS25	9	95	25	1	346.000	**7409380**

A2 Stainless steel, grade 304

Height-adjustable cassette, decoupled from the floor, of nominal size 9, for tube bodies, for the installation of accessories in dry or wet-cleaned floors, for mounting in underfloor boxes UZD250-3 or UZD350-3, either in conjunction with a mounting lid DUG../9 or in UGD250-3/9 or UGD350-3/9. Mounting takes place using height adjustment brackets (order separately) in the aluminium frame profile of the underfloor boxes.

Height adjustment bracket for installation in UGD250-3 for one square cassette





Type	Material symbol	Pack. pcs	Weight kg/100 pcs.	Item No.
NW 250-3 QK	St	1	74.000	**7410540**

St Steel

FS Strip-galvanised

Height adjustment bracket to mount the square height-adjustable cassettes in the underfloor connection socket, type UZD250-3 or UGD250-3.
With all the components necessary for mounting and height adjustment.

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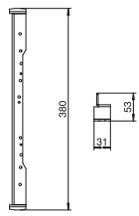
Height adjustment bracket for installation in UGD350-3 for one square cassette

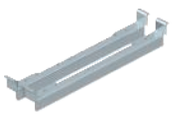
Type	Material symbol	Pack. pcs	Weight kg/100 pcs.	Item No.
NW 350-3 QK	St	1	94.000	**7410544**

St Steel

FS Strip-galvanised

Height adjustment bracket to mount the square height-adjustable cassettes in the underfloor connection socket, type UZD350-3 or UGD350-3.
With all the components necessary for mounting and height adjustment.





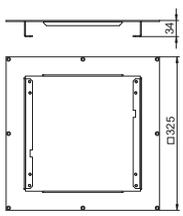
Mounting lid for height-adjustable cassette of nominal size 9 in system bases

Type	Width mm	Length mm	Cut-out dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DUG RK UAN 9	325	325	248x248	1	108.000	**7428547**

St Steel

F Hot-dip galvanised

Mounting lid for the installation of height-adjustable cassettes of nominal size 9 in system floors.





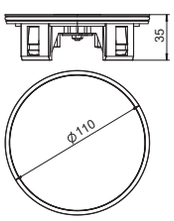
Tube body with cover plate, without handle clamp, for frame cassette and height-adjustable cassette

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
TUK2 V	1	59.000	**7428141**

Zn Die-cast zinc

N Nickel-plated

Height-adjustable cord outlet for installation in RKF frame cassettes and in height-adjustable round and square RKFR and RKFN cassettes. Raised height when used, flushfloor when unused. Use in wet-care floors. Tube body cover made of V2A.





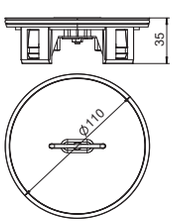
Tube body with cover plate, with handle clamp, for frame cassette and height-adjustable cassette

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
TUK2 GV	1	59.000	**7428140**

Zn Die-cast zinc

N Nickel-plated

Height-adjustable cord outlet for installation in RKF frame cassettes and in height-adjustable round and square RKFR and RKFN cassettes. Raised height when used, flushfloor when unused. Use in wet-care floors. Tube body cover and handle made of V2A.





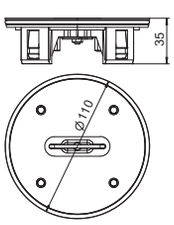
Tube body with floor covering recess, with handle clamp, for frame cassette and height-adjustable cassette

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
TUK2 G4	1	45.000	**7428142**

Zn Die-cast zinc

N Nickel-plated

Height-adjustable cord outlet for installation in RKF frame cassettes and in height-adjustable round and square RKFR and RKFN cassettes. Raised height when used, flushfloor when unused. Use in wet-care floors. With 4 mm floor covering recess for construction-side panelling with cut resistant floor covering, with handle clamp.





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Always indicate the item number when ordering.



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Elegant, discreet and robust

UDHOME floor sockets and floor tanks

The family of UDHOME complete units can locate power, data and multimedia connections exactly where they are required. Floor sockets and floor boxes of the UDHOME family are mounted directly on the raw floor and are connected with flexible installation pipes – it couldn't be simpler.

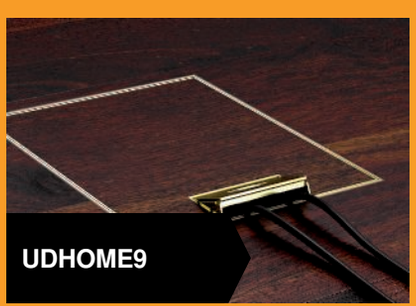
- Easy handling from ordering to mounting
- High-quality materials and solid processing
- Maximum flexibility in equipment



UDHOME2



UDHOME4

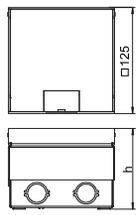


UDHOME9

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UDHOME2 floor socket, with stainless steel lid, equipped

Type	Dimension h mm	Floor height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UDHOME2 BV V	95	95 - 115	1	150.000	**7368384**



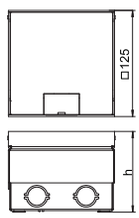


A2 Stainless steel, grade 305

Square floor socket for use in dry-care cavity and screed floors. Installation housing with premarked insertion openings for pipelines (M25). Cover adjustable to the top edge of the floor covering using four height-adjustment supports. The minimum installation depth is 95 mm, the height-adjustment range + 20 mm.
Surfaces visible in the floor covering made of: Stainless steel.
The scope of delivery contains a double protective contact socket (VDE). Up to two modular data sockets (Keystones) can be installed with optional mounting supports.

UDHOME2 floor socket, with stainless steel lid, freely equippable

Type	Dimension h mm	Floor height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UDHOME2 BV	95	95 - 115	1	150.000	**7427019**



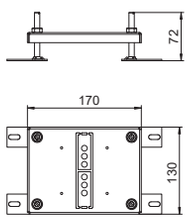


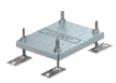
A2 Stainless steel, grade 305

Square floor socket for use in dry-care cavity and screed floors. Installation housing with premarked insertion openings for pipelines (M25). Cover adjustable to the top edge of the floor covering using four height-adjustment supports. The minimum installation depth is 95 mm, the height-adjustment range + 20 mm.
Up to two Modul45® sockets can be installed. In addition, up to two modular data modules (Keystones) can be installed with optional mounting supports. Surfaces visible in the floor covering made of: Brushed stainless steel.

Height extension for UDHOME2 floor socket

Type	Height adjustment range mm	Pack. pcs	Weight kg/100 pcs.	Item No.
HE60 UDHOME2	10 - 60	1	73.400	**7368400**





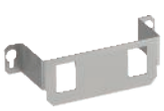
St Steel

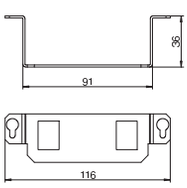
FS Strip-galvanised

Height-adjustable extension for UDHOME2 floor socket.

Mounting support for data sockets in UDHOME2 BV V and UDHOME2 BV

Mounting support, 2 x type A





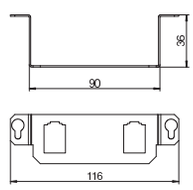
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MTGE2 2A	1	4.800	**7407846**

A2 Stainless steel, grade 304

Mounting support to accept two data connection modules of the following types: AMP TYCO: Standard 110Connect, SL Series 110Connect and Toolless, AMP-Twist; Brand-Rex: unshielded; GG45; TKM RJ MOD; Nexans: LANmark with Adapter-Clip; Siemon CAT6; 3M K6 and K10.
Dimensions of a mounting opening in mm: 20.10 x 14.80.

Mounting support, 2 x type B





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MTGE2 2B	1	3.300	**7407847**

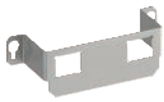
A2 Stainless steel, grade 304

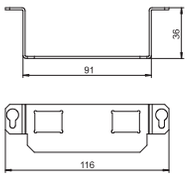
Mounting support to accept two data connection modules of the following types BTR: E-DAT; Dätwyler: MS and MS-N; Kerpen: VarioKeystone.
Dimensions of a mounting opening in mm: 19.35/21.55 x 14.85.

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Mounting support for data sockets in UDHOME2 BV V and UDHOME2 BV

Mounting support, 2 x type C





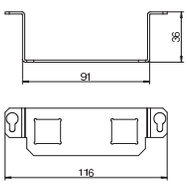
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MTGE2 2C	1	4.700	**7407848**

A2 Stainless steel, grade 304

Mounting support to accept two data connection modules of the following types: Brand-Rex: shielded; EKU: E-Stone; Dätwyler: KS-T, MS-K and KU-T module; R&M: Snap-In and Keystone; Rutenbeck: UM and UMflex; SETEC: MKJ, UKJ and XKJ; Siemon TERA; Telegärtner: AMJ and UMJ.
Dimensions of a mounting opening in mm: 19.30 x 14.80.

Mounting support, 2 x type LE





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MTGE2 2LE	1	4.800	**7407679**

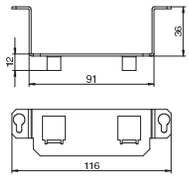
A2 Stainless steel, grade 304

Mounting support to accept two data connection modules of the following types: LexCom 125 and 250.
Dimensions of a mounting opening in mm: 18.30 x 17.20.

Mounting support for data sockets in UDHOME2 BV V and UDHOME2 BV

Mounting support, 2 x type F





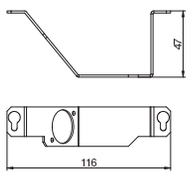
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MTGE2 2F	1	5.100	**7407849**

A2 Stainless steel, grade 304

Mounting support to accept two data connection modules, type Avaya/Systimax: M series.
Dimensions of a mounting opening in mm: 17.40 x 16.60.

Mounting support, 1 x type K





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MTGE2 1K	1	4.400	**7407850**

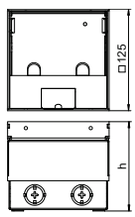
A2 Stainless steel, grade 304

Mounting support to incorporate an audio or video technology connection socket, type XLR, Speakon type D.

{Bodensteckdosen UDHOME2 V}

UDHOME2 floor socket, with floor covering recess in stainless steel lid, equipped





Type	Dimension h mm	Floor height mm	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UDHOME2 V V	110	110 - 130	15	1	210.000	**7368399**

A2 Stainless steel, grade 305

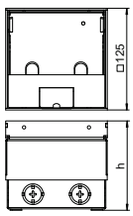
Square floor socket with floor covering recess for use in dry-care cavity and screed floors. Installation housing with pre-marked insertion openings for pipelines (M25). Cover adjustable to the top edge of the floor covering using four height-adjustment supports. The minimum installation depth is 110 mm, the height-adjustment range + 20 mm.
Surfaces visible in the floor covering made of: Stainless steel.

The scope of delivery contains a double protective contact socket (VDE). Up to two modular data sockets (Keystones) can be installed with optional mounting supports.

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UDHOME2 floor socket, with floor covering recess in stainless steel lid, freely equippable

Type	Dimension h mm	Floor height mm	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UDHOME2 V	110	110 - 130	15	1	206.000	**7427090**





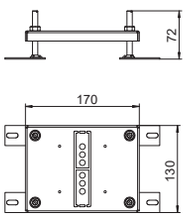
A2 Stainless steel, grade 305

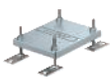
Square floor socket with floor covering recess for use in dry-care cavity and screed floors. Installation housing with pre-marked insertion openings for pipelines (M25). Cover adjustable to the top edge of the floor covering using four height-adjustment supports. The minimum installation depth is 110 mm, the height-adjustment range + 20 mm.
Surfaces visible in the floor covering made of: Stainless steel.

Up to two Modul45® sockets can be installed. In addition, up to two modular data modules (Keystones) can be installed with optional mounting supports.

Height extension for UDHOME2 floor socket

Type	Height adjustment range mm	Pack. pcs	Weight kg/100 pcs.	Item No.
HE60 UDHOME2	10 - 60	1	73.400	**7368400**





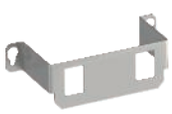
St Steel

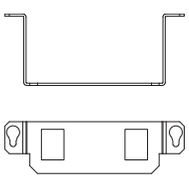
FS Strip-galvanised

Height-adjustable extension for UDHOME2 floor socket.

Mounting support for data sockets in UDHOME2 V V and UDHOME2 V

Mounting support, 2 x type A





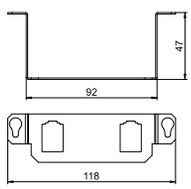
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MTGE2 15 2A	1	5.500	**7407594**

A2 Stainless steel, grade 304

Mounting support to accept two data connection modules of the following types: AMP TYCO: Standard 110Connect, SL Series 110Connect and Toolless, AMP-Twist; Brand-Rex: unshielded; GG45; TKM RJ MOD; Nexans: LANmark with Adapter-Clip; Siemon CAT6; 3M K6 and K10.
Dimensions of a mounting opening in mm: 20.10 x 14.80.

Mounting support, 2 x type B



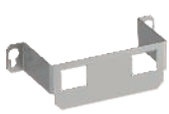


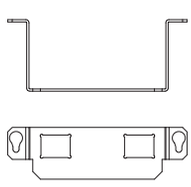
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MTGE2 15 2B	1	3.700	**7407595**

A2 Stainless steel, grade 304

Mounting support to accept two data connection modules of the following types BTR: E-DAT; Dätwyler: MS and MS-N; Kerpen: VarioKeystone.
Dimensions of a mounting opening in mm: 19.35/21.55 x 14.85.

Mounting support, 2 x type C





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MTGE2 15 2C	1	5.500	**7407596**

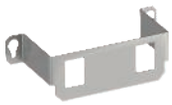
A2 Stainless steel, grade 304

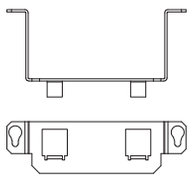
Mounting support to accept two data connection modules of the following types: Brand-Rex: shielded; EKU: E-Stone; Dätwyler: KS-T, MS-K and KU-T module; R&M: Snap-In and Keystone; Rutenbeck: UM and UMflex; SETEC: MKJ, UKJ and XKJ; Siemon TERA; Telegärtner: AMJ and UMJ.
Dimensions of a mounting opening in mm: 19.30 x 14.80.

Always indicate the item number when ordering.

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Mounting support, 2 x type F





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MTGE2 15 2F	1	5.700	**7407597**

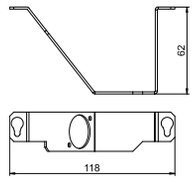
A2 Stainless steel, grade 304

Mounting support to accept two data connection modules, type Avaya/Systimax: M series.
Dimensions of a mounting opening in mm: 17.40 x 16.60.

Mounting support for data sockets in UDHOME2 V V and UDHOME2 V

Mounting support, 1 x type K





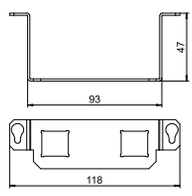
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MTGE2 15 1K	1	5.500	**7407599**

A2 Stainless steel, grade 304

Mounting support to incorporate an audio or video technology connection socket, type XLR, Speakon type D.

Mounting support, 2 x type LE





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MTGE2 15 2LE	1	5.500	**7407598**

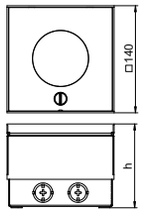
A2 Stainless steel, grade 304

Mounting support to accept two data connection modules of the following types: LexCom 125 and 250.
Dimensions of a mounting opening in mm: 18.30 x 17.20.

Floor sockets

UDHOME2 floor socket, with tube body for wet-cleaned floors, equipped





Type	Dimension h mm	Installation depth mm	Floor height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UDHOME2 VF V	110	110	110 - 130	1	323.000	**7368410**

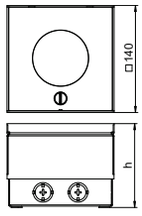
A2 Stainless steel, rustproof

Square floor socket for use in wet-care cavity and screed floors. Cable exit for height-adjustable tube body. Installation housing with pre-marked insertion openings for pipelines (M25). Cover adjustable to the top edge of the floor covering using four height-adjustment supports. The minimum installation depth is 110 mm, the height-adjustment range + 20 mm.

The scope of delivery contains a double protective contact socket. Up to two modular data sockets (Keystones) can be installed with optional mounting supports.

UDHOME2 floor socket, with tube body for wet-cleaned floors, freely equippable





Type	Dimension h mm	Floor height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UDHOME2 VF	110	110 - 130	1	315.000	**7427095**

A2 Stainless steel, rustproof

Square floor socket for use in wet-care cavity and screed floors. Installation housing with pre-marked insertion openings for empty pipelines (M20/M25). Cover adjustable to the top edge of the floor covering using four height-adjustment supports. The minimum installation depth is 110 mm, the height-adjustment range + 20 mm.
Up to two Modul45® sockets can be installed. Up to two modular data sockets (Keystones) can be installed with optional mounting supports.

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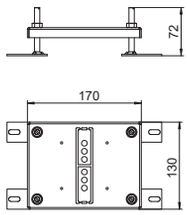
Height extension for UDHOME2 floor socket

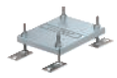
Type	Item No.
HE60 UDHOME2	**7368400**

St Steel

FS Strip-galvanised

Height-adjustable extension for UDHOME2 floor socket.

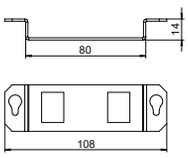




Mounting support for data sockets in UDHOME2 AF V and UDHOME2 AF

Mounting support, 2 x type A





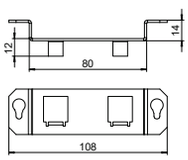
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MTGE2F 2A	1	0.380	**7407841**

A2 Stainless steel, grade 304

Mounting support to accept two data connection modules of the following types: AMP TYCO: Standard 110Connect, SL Series 110Connect and Toolless, AMP-Twist; Brand-Rex: unshielded; GG45; TKM RJ MOD; Nexans: LANmark with Adapter-Clip; Siemon CAT6; 3M K6 and K10.
Dimensions of a mounting opening in mm: 20.10 x 14.80.

Mounting support, 2 x type F





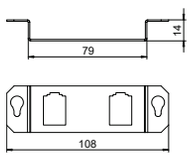
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MTGE2F 2F	1	0.410	**7407853**

A2 Stainless steel, grade 304

Mounting support to accept two data connection modules, type Avaya/Systimax: M series.
Dimensions of a mounting opening in mm: 17.40 x 16.60.

Mounting support, 2 x type B





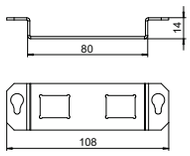
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MTGE2F 2B	1	0.260	**7407842**

A2 Stainless steel, grade 304

Mounting support to accept two data connection modules of the following types BTR: E-DAT; Dätwyler: MS and MS-N; Kerpen: VarioKeystone.
Dimensions of a mounting opening in mm: 19.35/21.55 x 14.85.

Mounting support, 2 x type C





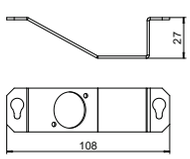
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MTGE2F 2C	1	0.380	**7407843**

A2 Stainless steel, grade 304

Mounting support to accept two data connection modules of the following types: Brand-Rex: shielded; EKU: E-Stone; Dätwyler: KS-T, MS-K and KU-T module; R&M: Snap-In and Keystone; Rutenbeck: UM and UMflex; SETEC: MKJ, UKJ and XKJ; Siemon TERA; Telegärtner: AMJ and UMJ.
Dimensions of a mounting opening in mm: 19.30 x 14.80.

Mounting support, 1 x type K





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MTGE2F 1K	1	0.400	**7407855**

A2 Stainless steel, grade 304

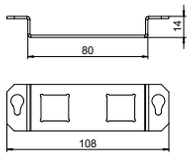
Mounting support to incorporate an audio or video technology connection socket, type XLR, Speakon type D.

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Mounting support for data sockets in UDHOME2 AF V and UDHOME2 AF

Mounting support, 2 x type LE





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MTGE2F 2LE	1	0.370	**7407854**

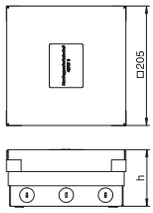
A2 Stainless steel, grade 304

Mounting support to accept two data connection modules of the following types: LexCom 125 and 250.
Dimensions of a mounting opening in mm: 18.30 x 17.20.

Floor boxes

UDHOME4 floor box, with GB2 mounting box, equipped, stainless steel





Type	Dimension h mm	Floor height mm	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UDHOME4 2V V	95	95 - 125	15	1	380.000	**7427200**

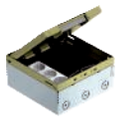
A2 Stainless steel, grade 304

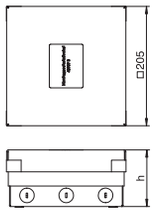
Square floor box for use in dry-cleaned cavity and screed floors. Installation housing with premarked insertion openings for pipelines (M25). Cover adjustable to the top edge of the floor covering using four height-adjustment supports. The minimum installation depth is 95 mm, the height-adjustment range + 30 mm.

Surfaces visible in the floor covering made of stainless steel.

The scope of delivery contains two UT3 universal supports, a triple power socket with cover plate and two individual cover plates for accessories with support ring.

UDHOME4 floor box, with GB2 mounting box, equipped, brass





Type	Dimension h mm	Floor height mm	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UDHOME4 2M V	95	95 - 125	15	1	388.000	**7427204**

CuZn Brass

Square floor box for use in dry-cleaned cavity and screed floors. Installation housing with premarked insertion openings for pipelines (M25). Cover adjustable to the top edge of the floor covering using four height-adjustment supports. The minimum installation depth is 95 mm, the height-adjustment range + 30 mm.

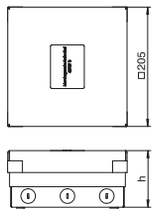
Surfaces visible in the floor covering made of brass.

The scope of delivery contains two UT3 universal supports, a triple power socket with cover plate and two individual cover plates for accessories with support ring.

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UDHOME4 floor box, with MT3 module support, freely equippable, stainless steel





Type	Dimension h mm	Floor height mm	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UDHOME4 2V MT U	95	95 - 125	15	1	402.700	**7427248**

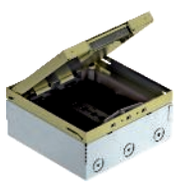
A2 Stainless steel, grade 304

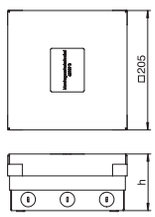
Square floor box for use in dry-cleaned cavity and screed floors. Installation housing with pre-marked insertion openings for pipelines (M25). Cover adjustable to the top edge of the floor covering using four height-adjustment supports. The minimum installation depth is 95 mm, the height-adjustment range + 30 mm.

Surfaces visible in the floor covering made of stainless steel.

The scope of supply contains two universal supports UT3 45 3 for installation of up to six Modul 45 devices.

UDHOME4 floor box, with MT3 module support, freely equippable, brass





Type	Dimension h mm	Floor height mm	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UDHOME4 2M MT U	95	95 - 125	15	1	412.700	**7427252**

CuZn Brass

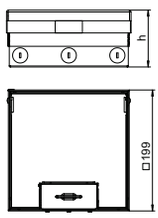
Square floor box for use in dry-cleaned cavity and screed floors. Installation housing with pre-marked insertion openings for pipelines (M25). Cover adjustable to the top edge of the floor covering using four height-adjustment supports. The minimum installation depth is 95 mm, the height-adjustment range + 30 mm.

Surfaces visible in the floor covering made of brass.

The scope of supply contains two universal supports UT3 45 3 for installation of up to six Modul 45 devices.

UDHOME4 floor box, empty, stainless steel





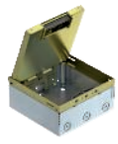
Type	Dimension h mm	Floor height mm	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UDHOME4 2V	95	95 - 125	15	1	384.000	**7427232**

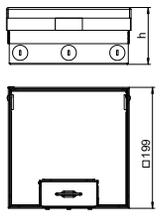
A2 Stainless steel, grade 304

Square floor box for use in dry-cleaned cavity and screed floors. Installation housing with pre-marked insertion openings for pipelines (M25). Cover adjustable to the top edge of the floor covering using four height-adjustment supports. The minimum installation depth is 95 mm, the height-adjustment range + 30 mm.

Surfaces visible in the floor covering made of stainless steel.

UDHOME4 floor box, empty, brass





Type	Dimension h mm	Floor height mm	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UDHOME4 2M	95	95 - 125	15	1	344.800	**7427236**

CuZn Brass

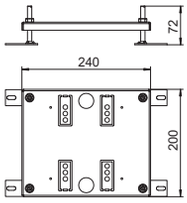
Square floor box for use in dry-cleaned cavity and screed floors. Installation housing with pre-marked insertion openings for pipelines (M25). Cover adjustable to the top edge of the floor covering using four height-adjustment supports. The minimum installation depth is 95 mm, the height-adjustment range + 30 mm.

Surfaces visible in the floor covering made of brass.

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Height extension for UDHOME4 floor box





Type	Height adjustment range mm	Pack. pcs	Weight kg/100 pcs.	Item No.
HE60 UDHOME4	10 - 60	1	109.800	**7427440**

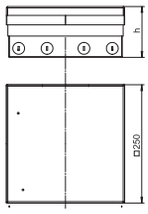
St Steel

FS Strip-galvanised

Height-adjustable expansion for floor box UDHOME4.

UDHOME9 floor box, with GB3 mounting box, equipped, stainless steel





Type	Dimension h mm	Floor height mm	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UDHOME9 2V GB V	95	95 - 125	15	1	520.500	**7427300**

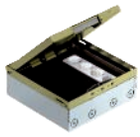
A2 Stainless steel, grade 304

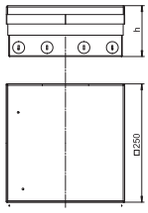
Square floor box for use in dry-cleaned cavity and screed floors. Installation housing with premarked insertion openings for pipelines (M25). Cover adjustable to the top edge of the floor covering using four height-adjustment supports. The minimum installation depth is 95 mm, the height-adjustment range + 30 mm.

Surfaces visible in the floor covering made of stainless steel.

The scope of supply contains three universal supports UT4 for installation of Modul 45 devices. One universal support is equipped with two double sockets in pure white. A further universal support is equipped with two cover plates for standard device installation and the third universal support is equipped with two blanking covers.

UDHOME9 floor box, with GB3 mounting box, equipped, brass





Type	Dimension h mm	Floor height mm	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UDHOME9 2M GB V	95	95 - 125	15	1	573.000	**7427304**

CuZn Brass

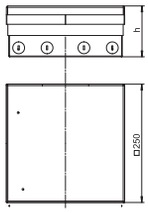
Square floor box for use in dry-cleaned cavity and screed floors. Installation housing with premarked insertion openings for pipelines (M25). Cover adjustable to the top edge of the floor covering using four height-adjustment supports. The minimum installation depth is 95 mm, the height-adjustment range + 30 mm.

Surfaces visible in the floor covering made of brass.

The scope of supply contains three universal supports UT4 for installation of Modul 45 devices. One universal support is equipped with two double sockets in pure white. A further universal support is equipped with two cover plates for standard device installation and the third universal support is equipped with two blanking covers.

UDHOME9 floor box, with MT4 module support, equipped, stainless steel





Type	Dimension h mm	Floor height mm	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UDHOME9 2V MT V	95	95 - 125	15	1	520.000	**7427308**

A2 Stainless steel, grade 304

Square floor box for use in dry-cleaned cavity and screed floors. Installation housing with premarked insertion openings for pipelines (M25). Cover adjustable to the top edge of the floor covering using four height-adjustment supports. The minimum installation depth is 95 mm, the height-adjustment range + 30 mm.

Surfaces visible in the floor covering made of stainless steel.

The scope of supply contains three universal supports UT4 45 4 for direct mounting of Modul 45 devices. Of these, one is equipped with two double protective contact sockets in pure white.

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UDHOME9 floor box, with MT4 module support, equipped, brass

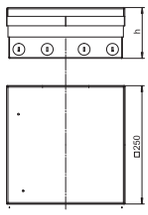
Type	Dimension h mm	Floor height mm	Floor covering thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UDHOME9 2M MT V	95	95 - 125	15	1	532.000	**7427312**

CuZn Brass

Square floor box for use in dry-cleaned cavity and screed floors. Installation housing with pre-marked insertion openings for pipelines (M25). Cover adjustable to the top edge of the floor covering using four height-adjustment supports. The minimum installation depth is 95 mm, the height-adjustment range + 30 mm.

Surfaces visible in the floor covering made of: Brass.

The scope of supply contains three universal supports UT4 45 4 for direct mounting of Modul 45 devices. Of these, one is equipped with two double protective contact sockets in pure white.





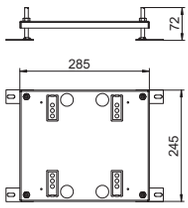
Height extension for UDHOME9 floor box

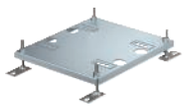
Type	Height adjustment range mm	Pack. pcs	Weight kg/100 pcs.	Item No.
HE60 UDHOME9	10 - 60	1	145.700	**7427444**

St Steel

FS Strip-galvanised

Height-adjustable expansion for floor box UDHOME9.





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Always indicate the item number when ordering.



GES R2 floor sockets

The round floor sockets of the GES R2 series supply data and power exactly where they are required. Their handling is simple: The connection lines are inserted in the compact installation space and that space is closed off with a lid. Depending on the lid version, the floor sockets are suitable for dry or wet-cleaned floors.



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Always indicate the item number when ordering.

MODULAR

GES R2 floor sockets



ACKERMANN MADE BY OBO

IP 66



- Available with hinged cover, tube body or blanking lid with high-quality coating in copper, brass, chrome or nickel.
- Modular design for different application conditions.
- Installation room for 2 sockets and 2 data modules.
- IP66-certified when closed.

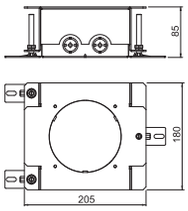


Always indicate the item number when ordering.

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Screed box for GES R2





Type	Screed height mm	Installation diameter	Pack. pcs	Weight kg/100 pcs.	Item No.
UD GES R2	85 - 130	122	1	218.000	**7428526**

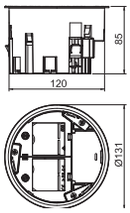
St Steel

FS Strip-galvanised

Height-adjustable screed box for the installation of the installation socket of the GES R2 floor socket.
With 2x2 insertion openings for installation pipes (M20/M25).

Installation socket, 1+1 empty





Type	Installation depth mm	Installation diameter	Pack. pcs	Weight kg/100 pcs.	Item No.
MT R2 1-1	85	122	1	19.800	**7408838**

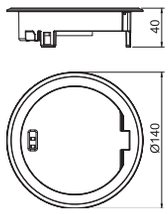
PA Polyamide

Installation socket for GES R2 floor socket for mounting in UD GES R2 screed socket and in raised floor plates with an installation opening diameter of 122 mm.

The scope of supply contains a partition and two cover plates for the installation of individual Modul 45 devices. Up to two modular data sockets (Keystones) can be installed with optional mounting plate.

Hinged lid with locking slider, nickel





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GES R2 Ni	1	58.500	**7408850**

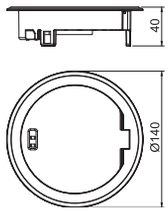
Zn Die-cast zinc

N Nickel-plated

Hinged cover with locking slider for GES R2 floor socket for direct installation in the MT R2 installation socket.
When closed, the floor socket can be wet-cleaned.

Hinged lid with locking slider, old brass





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GES R2 CuZn	1	58.500	**7408852**

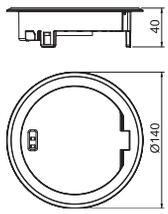
Zn Die-cast zinc

CuZn Brass-coated

Hinged cover with locking slider for GES R2 floor socket for direct installation in the MT R2 installation socket.
When closed, the floor socket can be wet-cleaned.

Hinged lid with locking slider, old copper





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GES R2 Cu	1	58.500	**7408854**

Zn Die-cast zinc

Cu Copper-plated

Hinged cover with locking slider for GES R2 floor socket for direct installation in the MT R2 installation socket.
When closed, the floor socket can be wet-cleaned.

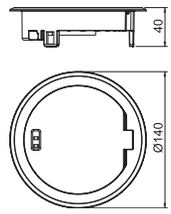
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Hinged lid with locking slider, chromium

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GES R2 Cr	1	58.500	**7408856**

Zn Die-cast zinc
CR Chrome-plated

Hinged cover with locking slider for GES R2 floor socket for direct installation in the MT R2 installation socket.
When closed, the floor socket can be wet-cleaned.



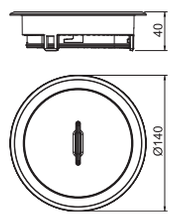


Tube body with handle clamp

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GES R2T Ni	1	114.100	**7408860**

Zn Die-cast zinc
N Nickel-plated

Tube body with handle clamp for GES R2 floor socket for direct installation in the MT R2 installation socket.
The tube body fulfils the requirements of EN 50085-2-2 for wet-cleaned floors, also when opened.



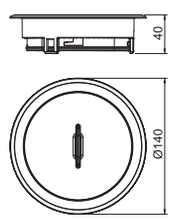


Tube body with handle clamp

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GES R2T CuZn	1	114.100	**7408862**

Zn Die-cast zinc
CuZn Brass-coated

Tube body with handle clamp for GES R2 floor socket for direct installation in the MT R2 installation socket.
The tube body fulfils the requirements of EN 50085-2-2 for wet-cleaned floors, also when opened.



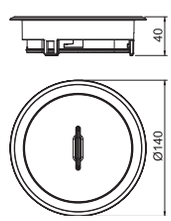


Tube body with handle clamp

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GES R2T Cu	1	114.100	**7408864**

Zn Die-cast zinc
Cu Copper-plated

Tube body with handle clamp for GES R2 floor socket for direct installation in the MT R2 installation socket.
The tube body fulfils the requirements of EN 50085-2-2 for wet-cleaned floors, also when opened.



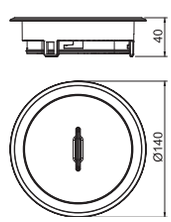


Tube body with handle clamp

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GES R2T Cr	1	114.100	**7408866**

Zn Die-cast zinc
CR Chrome-plated

Tube body with handle clamp for GES R2 floor socket for direct installation in the MT R2 installation socket.
The tube body fulfils the requirements of EN 50085-2-2 for wet-cleaned floors, also when opened.



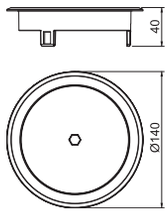


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Blanking lid for floor socket GES R2

Service outlet, blank, with Allen slot





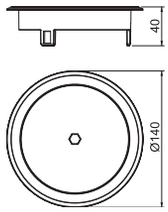
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GES R2B Ni	1	58.200	**7408870**

Zn Die-cast zinc
N Nickel-plated

Blanking lid with Allen screw with locking slider for GES R2 floor socket for direct installation in the MT R2 installation socket.
The lid version can be used as a cable outlet.
When closed, the floor socket can be wet-cleaned.

Service outlet, blank, with Allen slot





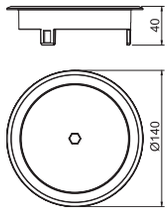
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GES R2B CuZn	1	58.200	**7408872**

Zn Die-cast zinc
CuZn Brass-coated

Blanking lid with Allen screw with locking slider for GES R2 floor socket for direct installation in the MT R2 installation socket.
The lid version can be used as a cable outlet.
When closed, the floor socket can be wet-cleaned.

Service outlet, blank, with Allen slot





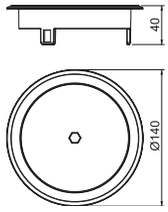
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GES R2B Cu	1	58.200	**7408874**

Zn Die-cast zinc
Cu Copper-plated

Blanking lid with Allen screw with locking slider for GES R2 floor socket for direct installation in the MT R2 installation socket.
The lid version can be used as a cable outlet.
When closed, the floor socket can be wet-cleaned.

Service outlet, blank, with Allen slot





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GES R2B Cr	1	58.200	**7408876**

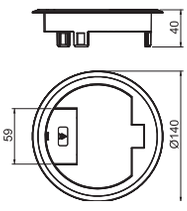
Zn Die-cast zinc
CR Chrome-plated

Blanking lid with Allen screw with locking slider for GES R2 floor socket for direct installation in the MT R2 installation socket.
The lid version can be used as a cable outlet.
When closed, the floor socket can be wet-cleaned.

Plastic lid for floor socket GES R2

Hinged cover with cord outlet





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GES R2 9011	Graphite black	1	8.800	**7405084**

PA Polyamide

Hinged cover with cord outlet for GES R2 floor socket for direct installation in the MT R2 installation socket.
For use in dry-cleaned floors.

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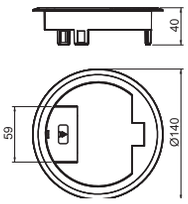
Always indicate the item number when ordering.

Hinged cover with cord outlet

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GES R2 7011	Iron grey	1	8.800	**7405082**

PA Polyamide

Hinged cover with cord outlet for GES R2 floor socket for direct installation in the MT R2 installation socket.
For use in dry-cleaned floors.



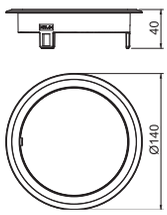


Service outlet, blank, without floor covering recess

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GES R2B 7011	Iron grey	1	8.150	**7405086**

PA Polyamide

Blanking lid with cord outlet for GES R2 floor socket for direct installation in the MT R2 installation socket.
For use in dry-cleaned floors.



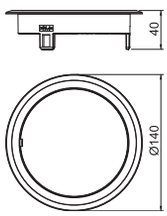


Service outlet, blank, without floor covering recess

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GES R2B 9011	Graphite black	1	8.150	**7405088**

PA Polyamide

Blanking lid with cord outlet for GES R2 floor socket for direct installation in the MT R2 installation socket.
For use in dry-cleaned floors.



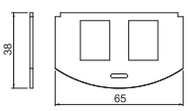


Mounting plate for data technology, type A

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MP R2 2A	1	1.960	**7408802**

A2 Stainless steel, grade 304

Mounting plate to accept two data connection modules of the following types: AMP TYCO: Standard 110Connect, SL Series 110Connect and Toolless, AMP-Twist; Brand-Rex: unshielded; GG45; TKM RJ MOD; Nexans: LANmark with Adapter-Clip; Siemon CAT6; 3M K6 and K10.
Dimensions of a mounting opening in mm: 20.10 x 14.80.



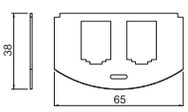


Mounting plate for data technology, type B

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MP R2 2B	1	1.940	**7408804**

A2 Stainless steel, grade 304

Mounting plate to accept two connection modules for data connection modules of the following types BTR: E-DAT; Dätwyler: MS and MS-N; Kerpen: VarioKeystone.
Dimensions of a mounting opening in mm: 19.35/21.55 x 14.85.



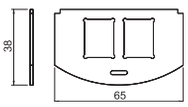


Mounting plate for data technology, type C

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MP R2 2C	1	1.950	**7408806**

A2 Stainless steel, grade 304

Mounting plate to accept two data connection modules of the following types: Brand-Rex: shielded; EKU: E-Stone; Dätwyler: KS-T, MS-K and KU-T module; R&M: Snap-In and Keystone; Rutenbeck: UM and UMflex; SETEC: MKJ, UKJ and XKJ; Siemon TERA; Telegärtner: AMJ and UMJ.
Dimensions of a mounting opening in mm: 19.30 x 14.80.



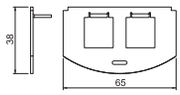


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Always indicate the item number when ordering.

Mounting plate for data technology, type F





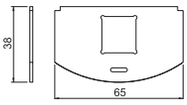
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MP R2 2F	1	2.190	**7408808**

A2 Stainless steel, grade 304

Mounting plate to accept two data connection modules, type Avaya/Systimax: M series.
Dimensions of a mounting opening in mm: 17.40 x 16.60.

Mounting plate for data technology, type LE





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MP R2 LE	1	2.250	**7408810**

A2 Stainless steel, grade 304

Mounting support to accept two data connection modules of the following types: LexCom 125 and 250.
Dimensions of a mounting opening in mm: 18.30 x 17.20.

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Modul 45® and Standard – installation solutions for underfloor systems

The Ackermann made by OBO installation systems offer a wide range of options for device installation in service outlets and cassettes with a locking ladder. Power, data and multimedia connections can be combined as required and positioned at various heights in the locking ladder.

Four solutions are available for device installation:

- Universal support UT3 and UT4 for the installation of Modul 45 devices and standard installation devices with 50 mm central plate
- MTU mounting support for the integration of data and multimedia technology of various manufacturers
- MT45V module support for vertical installation of Modul 45 devices
- GT device support for the installation of CEE connection units

Maximum equipment of Modul 45 devices per device installation unit

Nominal size	Universal support	Modul 45 devices
2	1x UT3	3
4 and R4	2x UT3	6
6	3x UT3	9
7	2x UT3 + 1x UT4	10
9 and R9	3x UT4	12

ACKERMANN MADE BY OBO



Universal support

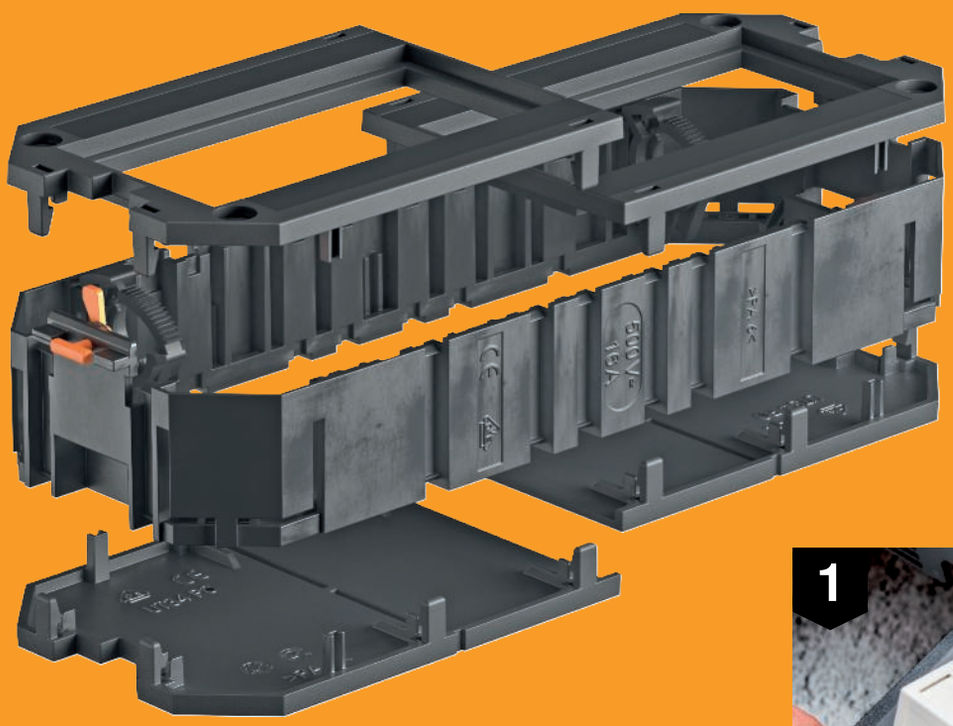
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Always indicate the item number when ordering.

Thought-through

The UT3 & UT4 universal supports

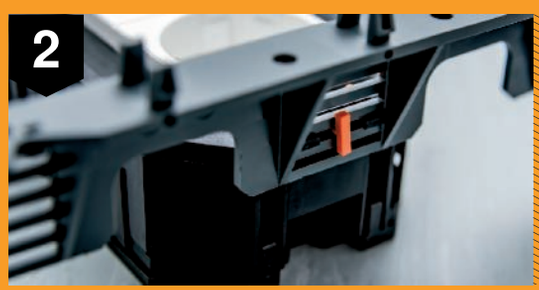
ACKERMANN MADE BY OBO



- **Mounting without tools**
- **Removable floor plates**
- **Support frame with innovative turn buckle**

The universal supports for underfloor systems from Ackermann made by OBO have a modular design and can be flexibly equipped. Both the compact OBO Modul45 in-stallation devices as well as standard in-stallation devices with a 50 x 50 mm central plate fit perfectly. This means sockets, data technology and multimedia elements can be combined in the universal support in many different ways.







Installation in only a few steps – the universal support is fixed with the innovative turn buckle in the locking ladder of an installation device or a cassette.

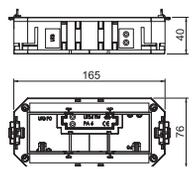
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Universal support UT3, system length 165 mm

Type	Length mm	Installation technology	Width mm	Height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UT3 45 3	165	Grid M45	76	40	1	10.600	**7408723**

PA Polyamide

Universal support with two strain reliefs, mounting bridge, partition and UT3 P3 cover plate for installation of 3 Modul 45 devices in device installation units of nominal sizes 2, R4, 4, 6 and R7.



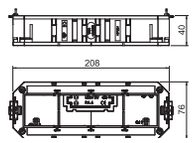


Universal support UT4, system length 208 mm

Type	Length mm	Width mm	Height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
UT4 45 4	208	76	40	1	13.500	**7408727**

PA Polyamide

Universal support with two strain reliefs, mounting bridges, partition and UT4 P4 cover plate for installation of 4 Modul 45 devices in device installation units of nominal sizes R7, R9 and 9.



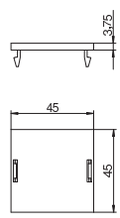


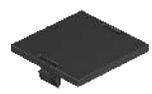
Blanking cover for Modul 45® installation opening

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
LP 45	10	0.500	**7407584**

PA Polyamide

Blanking cover for closing off a square Modul 45 mounting opening in a mounting box cover plate.



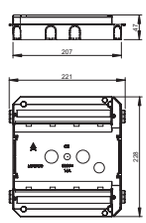


Module support for vertical installation Modul 45® devices

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MT45V 0	1	29.000	**7408698**

PA Polyamide

Module support for the installation of up to eight Modul 45 devices in an empty standard service outlet or an empty height-adjustable cassette of nominal size 9 or R9. The module support is locked into the locking ladder.



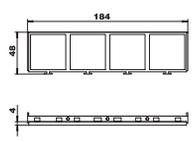


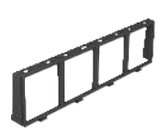
Installation frame for four single Modul 45® devices

Type	Material symbol	Pack. pcs	Weight kg/100 pcs.	Item No.
MT45V 4	PC/ABS	5	1.200	**7408670**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

For the installation of 4 individual Modul 45 devices for System 55 service outlet with mounting support for vertical installation of Modul 45 devices.
The installation frame is designed for use with 0° sockets (normal installation position, contact openings on right and left) and their use in conjunction with straight connectors (not angled connectors).



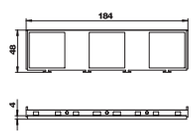


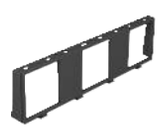
Installation frame for three single Modul 45® devices

Type	Material symbol	Pack. pcs	Weight kg/100 pcs.	Item No.
MT45V 3	PC/ABS	5	1.400	**7408672**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

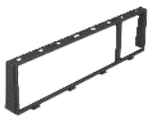
For the installation of 3 individual Modul 45 devices for System 55 service outlet with mounting support for vertical installation of Modul 45 devices.
The installation frame is designed for use with 0° sockets (mounting direction turned through 90°, contact openings at top and bottom) and their use in conjunction with angled and straight connectors.

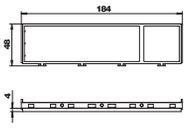




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Installation frame for combination of 3x and 1x Modul 45® devices



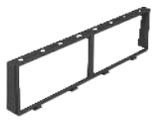


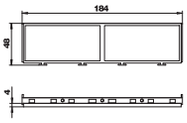
Type	Material symbol	Pack. pcs	Weight kg/100 pcs.	Item No.
MT45V 3+1	PC/ABS	5	0.900	**7408680**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

For the installation of a combination of 3x and 1x Modul 45 socket for System 55 service outlet with mounting support for vertical installation of Modul 45 devices.
The installation frame is designed for use with 0° sockets for straight connectors (not angled connectors).

Installation frame for combination of 2x and 2x Modul 45® devices





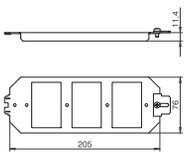
Type	Material symbol	Pack. pcs	Weight kg/100 pcs.	Item No.
MT45V 2+2	PC/ABS	5	0.900	**7408682**

PC/ABS Polycarbonate/acrylonitrile butadiene styrene

For the installation of a combination of 2x and 2x Modul 45 socket for System 55 service outlet with mounting support for vertical installation of Modul 45 devices.
The installation frame is designed for use with 0° sockets for straight connectors (not angled connectors).

Mounting support for data technology connection sockets, system length 208 mm





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MTU 3	1	14.470	**7407840**

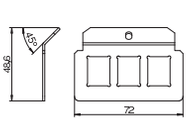
St Steel

FS Strip-galvanised

Mounting support for installation of three cover plates and strain relief. Use instead of a UT4 mounting box.

Support plate 3 x type C for mounting support



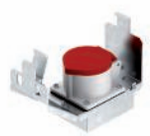


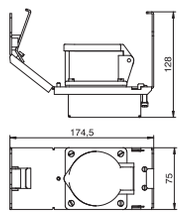
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MTM 3C	1	3.360	**7407828**

A2 Stainless steel, grade 304

Support plate to accept three data connection modules of the following types: Brand-Rex: shielded; EKU: E-Stone; Dätwyler: KS-T, MS-K and KU-T module; R&M: Snap-In and Keystone; Rutenbeck: UM and UMflex; SETEC: UKJ and XKJ; Siemon TERA; Telegärtner: AMJ and UMJ; 3M: CAT6 and CAT6A.
Dimensions of a mounting opening in mm: 19.30 x 14.80.

Device support for CEE installation, system length 165 mm, with CEE





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GT2 CEE16	1	69.000	**7407663**

St Steel

FS Strip-galvanised

Device support of nominal size 2 with a CEE plug connection 16 A for installation in service outlets and cassettes of nominal size 2, 4, 6 and R7. Device support with protective housing and strain relief. Required minimum installation depth: 190 mm for mounting, 160 mm for operation when an angled connector is used.

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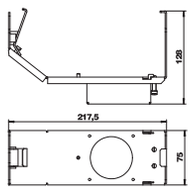
Device support for CEE installation, system length 208 mm, without CEE

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GT3 CEE	1	57.000	**7407669**

St Steel

FS Strip-galvanised

Device support of nominal size 3 for the installation of a CEE plug connection 16 A or 32 A for installation in service outlets and cassettes of nominal size R7, 9 and R9. Device support with protective housing and strain relief. Required minimum installation depth: 190 mm for mounting.





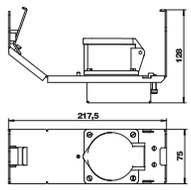
Device support for CEE installation, system length 208 mm, with CEE

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GT3 CEE16	1	75.000	**7407667**

St Steel

FS Strip-galvanised

Device support of nominal size 3 with a CEE plug connection 16 A for installation in service outlets and cassettes of nominal size R7, 9 and R9. Device support with protective housing and strain relief. Required minimum installation depth: 190 mm for mounting, 160 mm for operation when an angled connector is used.





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