

# Technical data sheet

## Plug-in arrester PDP, 2x2-pole

Item number: 5080414



Plug-in arrester, plug-in data protection type 1+2/D1+C2 for use in instrumentation, control and automation equipment

- Protection device for multiwire systems
- Frequency range to 100 MHz
- Small width of 12.5 mm

Application: Universal lightning and surge protection for data transmission devices in MCR technology.



### Master data

Item number	5080414
Type	PDP-P-2x2-24
Description 1	Pluggable data line protection
Description 2	plug-in arrester 2x2-pole
Manufacturer	OBO
Dimension	24V
Smallest sales unit	1
Unit of quantity	Piece
Weight	2.4 kg
Weight unit	kg/100 pc.

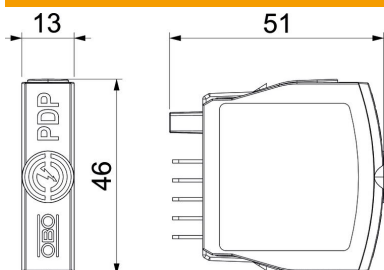
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## Dimensions



Length	51 mm
Width	13 mm
Height	46 mm

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Connection cross-section, flexible, max.	1.5 mm <sup>2</sup>
Connection cross-section, flexible, min.	0.14 mm <sup>2</sup>
Connection cross-section, multi-wire, max.	2.5 mm <sup>2</sup>
Connection cross-section, multi-wire, min.	0.14 mm <sup>2</sup>
Connection cross-section, rigid, max.	2.5 mm <sup>2</sup>
Connection cross-section, rigid, min.	0.14 mm <sup>2</sup>
Insertion loss	≤3 dB
Earthing via:	Connection cable / DIN rail
Total discharge current (10/350)	2,5
Total discharge current (8/20)	20 kA
Cut-off frequency	100 MHz
Maximum continuous voltage AC	21
Maximum continuous voltage DC	30
Lightning impulse current	2.5 kA
Capacity (wire-wire)	≤30 pF
Capacity (wire-earth)	≤30 pF
Kategorie	Type 1+2 / D1+C2
Lightning protection zone LPZ	0→2
Lengthwise resistance	1.2 ± 5%
Mounting of input / output	Screw terminals
Mounting type	DIN rail 35 mm
Nominal discharge current (8/20 μs)	10 kA
Nominal load current AC	0.425
Nominal load current DC	0.6 A
Total impulse durability into C2 (8/20)	20 kA
Testing standard	IEC 61643-21
Shielding connection available	yes
Screening	Direct
Protection rating	IP20
Protection level wire-wire	150 V
Series resistance per wire	1,2 Ω ± 5%
Signalling on device	None
SPD to EN 61643-11	Type 1+2
SPD to IEC 61643-1	Class I+II
SPD to IEC 61643-21	Class I+II / D1+C2
Plug-in system	Terminal
Impulse durability wire-wire	10 kV / 5 kA
Impulse durability wire-earth	10 kV / 5 kA
Permitted temperature range, max.	80 °C
Permitted temperature range, min.	-40 °C