

# Technical data sheet

## Surge arrester, 3-pole with remote signalling 280 V

Item number: 5094731



### Surge arrester, type 2

- Complete unit consisting of cover and base, pre-mounted and ready for connection
- Suitable for TN network systems
- Plug-in upper part; upper part can be separated from base without tools
- With remote signalling and potential-free NO contact for function monitoring
- Incl. thermal and dynamic cut-off unit
- With visual display of defects
- High current conductivity and long service life
- Labelled connections

Application example: Residential buildings, single-family homes and industrial  
\* Complete = cover and base



Master data		
Item number	5094731	
Type	V20-C 3+FS-280	
Description 1	SurgeController V20	
Description 2	3-pole with remote signalling	
Manufacturer	OBO	
Dimension	280V	
Smallest sales unit	1	
Unit of quantity	Piece	
Weight	33.7 kg	
Weight unit	kg/100 pc.	
CO Footprint (GWP) Cradle-to-Gate	1,2158 kg COe / 1 Piece	

Dimensions		

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Arrester surge current (8/20 µs) [total]	60 kA
Response time	<25 ns
Blow-out	no
Version for	3-pole + FS
Pole version	3
Structural width in division units (division unit, 17.5 mm)	3
Operating temperature, max.	80 °C
Operating temperature, min.	-40 °C
Remote signalling	yes
Maximum continuous voltage AC	280 V
Integrated back-up fuse	no
Conductor cross-section, flexible (fine-wire), min.	25 mm <sup>2</sup>
Conductor cross-section, rigid (single-wire/multiwire), max.	35 mm <sup>2</sup>
Conductor cross-section, rigid (single-wire/multiwire), min.	2.5 mm <sup>2</sup>
Lightning protection zone LPZ	1→2
Max. mains-side overcurrent protection	125
Maximum back-up fuse	125 A
Maximum discharge current (8/20 µs)	40 kA
Installation type	DIN rail 35 mm
Nominal discharge current (8/20 µs)	20 kA
Nominal discharge current (8/20 µs) [L-N]	20 kA
Nominal voltage AC (50/60 Hz)	230 V
Network form	TN
Test class, type 2	yes
Protection rating	IP20
Protection level	≤1,3
Signalling on device	Visual
SPD to EN 61643-11	Type 2
SPD to IEC 61643-1	Class II