

Technical data sheet

Surge arrester, 1-pole 280 V

Item number: 5094618



- Surge arrester, type 2
- For surge protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
 - Arresting capacity to 40 kA (8/20) per pole
 - Plug-in arrester with dynamic cut-off unit and visual function display
 - High-performance varistor technology
- Application: Equipotential bonding (LPZ 1 to 2) in main and sub-distributors.
- * Complete = cover and base



Master data		
Item number	5094618	
Type	V20-C 1-280	
Description 1	SurgeController V20	
Description 2	single pole version	
Manufacturer	OBO	
Dimension	280V	
Smallest sales unit	1	
Unit of quantity	Piece	
Weight	12 kg	
Weight unit	kg/100 pc.	
CO2 Footprint (GWP) Cradle-to-Gate	0,4841 kg CO2e / 1 Piece	

Dimensions		

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Arrester surge current (8/20 µs) [total]	20 kA
Response time	<25 ns
Blow-out	no
Version for	1-pole
Pole version	1
Structural width in division units (division unit, 17.5 mm)	1
Operating temperature, max.	80 °C
Operating temperature, min.	-40 °C
Remote signalling	no
Maximum continuous voltage AC	280 V
Integrated back-up fuse	no
Conductor cross-section, rigid (single-wire/multiwire), max.	35 mm ²
Conductor cross-section, rigid (single-wire/multiwire), min.	2.5 mm ²
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 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
Permitted temperature range, max.	80 °C
Permitted temperature range, min.	-40 °C