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

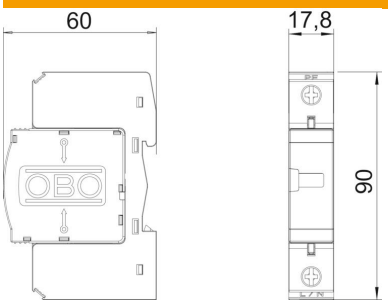
Application: Equipotential bonding (LPZ 1 to 2) in main and sub-distributors.
* Complete = cover and base

Type 2 | LPZ 1→2

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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Surge arrester, 1-pole 280 V

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Technical data

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 mm²
Conductor cross-section, rigid (single-wire/multiwire), min.	2.5 mm²
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
ROHS-conformant	yes
Protection rating	IP20
Protection level	≤1,3 kV
Signalling on device	Visual
SPD to EN 61643-11	Type 2
SPD to IEC 61643-11	Class II
Permitted temperature range, max.	80 °C
Permitted temperature range, min.	-40 °C