Technical data sheet

Surge arrester V10 280 V

Item number: 5093415

Surge arrester, type 2+3

- Surge protection in sub-distributors to VDE 0100-443 (IEC 60364-4-44)
- Arresting capacity to 20 kA (8/20) per pole
- Arrester, connectable with dynamic cut-off unit and visual function display
- High-performance varistor technology
- Base with multiple connection terminals

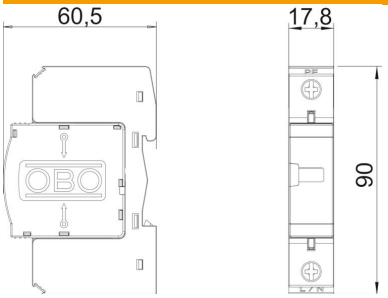
Application: Equipotential bonding in sub-distributors and device protection

Type 2 | Type 3 | LPZ 1→3

Master data

Item number	5093415
Type	V10-C 1-280
Description 1	SurgeController V10
Description 2	single pole version
Manufacturer	OBO
Dimension	280V
Smallest sales unit	1
Unit of quantity	Piece
Weight	10 kg
Weight unit	kg/100 pc.
CO2 Footprint (GWP) Cradle-to-Gate	0,5907 kg CO2e / 1 Piece

Dimensions



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Technical data

Arrester surge current (8/20 µs) [total]	10 kA
Response time	<25 ns
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
Maximum continuous voltage AC	280 V
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→3
Max. mains-side overcurrent protection	125
Maximum back-up fuse	125 A
Maximum discharge current (8/20 µs)	20 kA
Installation type	DIN rail 35 mm
Nominal discharge current (8/20 µs)	10 kA
Nominal discharge current (8/20 µs) [L-N]	10 kA
Nominal discharge current (8/20 µs) [N-PE]	30 kA
Nominal voltage AC (50/60 Hz)	230 V
Network form	All
TN network form	yes
TN-C network form	yes
TN-C-S network form	yes
TN-S network form	yes
TT network form	yes
Protection rating	IP20
Protection level	≤1,1
Signalling on device	Visual
SPD to EN 61643-11	Type 2+3
SPD to IEC 61643-1	Class II+III
Permitted temperature range, max.	80 °C
Permitted temperature range, min.	-40 °C