

Technical data sheet

Surge arrester V10 Compact

Item number: 5093395



Surge protective device, compact module, type 2+3

- Surge protection in sub-distributors according to VDE 0100-443 (IEC 60364-4-44)
- Arresting capacity up to 20 kA (8/20) in total
- High-performance varistor systems
- Including thermal and dynamic separating device and visual function display

Application: Sub-/floor distributors as well as device protection



Master data		
Item number	5093395	
Type	V10-1+NPE	
Description 1	Surge arrester	
Description 2	V10 Compact, 1-pole with NPE	
Manufacturer	OBO	
Dimension	255V	
Smallest sales unit	1	
Unit of quantity	Piece	
Weight	7.1 kg	
Weight unit	kg/100 pc.	
CO2 Footprint (GWP) Cradle-to-Gate	1,7031 kg CO2e / 1 Piece	

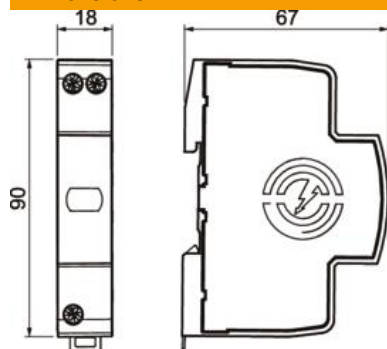
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Dimensions



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Arrester surge current (8/20 µs) [total]	20 kA
Connection cross-section (min.)	2.5 mm ²
Response time	<25 ns
Pole version	1+N/PE
Structural width in division units (division unit, 17.5 mm)	1
Operating temperature, max.	70 °C
Operating temperature, min.	-40 °C
Torque	18 Lbs
Torque	2 Nm
Installation location	Interior
Explosion-tested version	no
Remote signalling	no
Follow current quenching capacity (eff) [N-PE]	0.1 kA
Function/defect display	Visual
Maximum continuous voltage AC	255 V
Integrated back-up fuse	no
Conductor cross-section, flexible (fine-wire), max.	10 mm ²
Conductor cross-section, flexible (fine-wire), max.	8 AWG
Conductor cross-section, flexible (fine-wire), min.	13 AWG
Conductor cross-section, flexible (fine-wire), min.	2.5 mm ²
Conductor cross-section, rigid (single-wire/multiwire), max.	8 AWG
Conductor cross-section, rigid (single-wire/multiwire), max.	10 mm ²
Conductor cross-section, rigid (single-wire/multiwire), min.	13 AWG
Conductor cross-section, rigid (single-wire/multiwire), min.	2.5 mm ²
Lightning protection zone LPZ	1→3
Humidity, min.	5 %
Humidity, max.	95 %
Max. mains-side overcurrent protection	63 A gG

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Maximum back-up fuse	63 A
Maximum discharge current (8/20 µs)	20 kA
Installation type	DIN rail 35 mm
Nominal discharge current (8/20 µs) [L-N]	10 kA
Nominal discharge current (8/20 µs) [L-PE]	10 kA
Nominal discharge current (8/20 µs) [N-PE]	10 kA
Nominal voltage AC (50/60 Hz)	230 V
Network form	All
TN network form	yes
TN-C-S network form	yes
TN-S network form	yes
TT network form	yes
Pole number	2
Ports	One-Port SPD
Test class, type 1	no
Test class, type 2	yes
Test class, type 3	yes
Protection rating	IP20
Protective conductor current	< 2 µA
Protection level [L-N]	≤1,1
Protection level [N-PE]	1.5 kV
Signalling on device	Visual
SPD to EN 61643-11	Type 2+3
SPD to IEC 61643-1	Class II+III
Permitted temperature range, max.	70 °C
Permitted temperature range, min.	-40 °C