

Technical data sheet

Upper part, surge arrester V20

Item number: 5095524



Upper part surge arrester, type 2, for the protection against surge voltages in accordance to the EN61643-11 standard.

- Arresting capacity to 20 kA (8/20) per pole through high-performance varistors
- Modular, plug-in arrester with cut-off unit and visual status display
- Locking function with vibration protection and voltage keying
- Plastic to UL 94 V-0



Master data

Item number	5095524
Type	V20-LCF-0-280
Description 1	SurgeController V20
Description 2	leakage current-free plug-in
Manufacturer	OBO
Dimension	280V
Smallest sales unit	1
Unit of quantity	Piece
Weight	8.6 kg
Weight unit	kg/100 pc.
CO2 Footprint (GWP) Cradle-to-Gate	0,3261 kg CO2e / 1 Piece

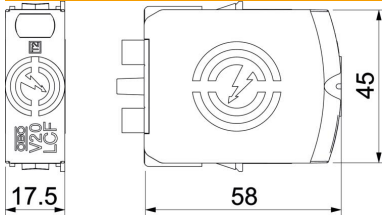
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Dimensions



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Connection cross-section (min.)	1.5 mm ²
Connection cross-section, FM terminals, max.	16 AWG
Connection cross-section, FM terminals, max.	1.5 mm ²
Connection cross-section, FM terminals, min.	21 AWG
Connection cross-section, FM terminals, min.	0.5 mm ²
Response time [L-N]	25 ns
Response time [N-PE]	100 ns
Blow-out	no
Operating temperature, max.	80 °C
Operating temperature, min.	-40 °C
Torque	35 Lbs
Torque	4 Nm
Torque for FM terminal	1.7 Lbs
Torque for FM terminal	0.2 Nm
Installation location	Interior
Remote signalling	no
Function/defect display	Visual
Housing material surge protection components	PA UL 94 V-0
Integrated back-up fuse	no
Short-circuit resistant	yes
Short-circuit resistance for max. mains-side overcurrent protection	50 kA eff
Conductor cross-section, flexible (fine-wire), max.	35 mm ²
Conductor cross-section, flexible (fine-wire), max.	2 AWG
Conductor cross-section, flexible (fine-wire), min.	16 AWG
Conductor cross-section, flexible (fine-wire), min.	1.5 mm ²
Conductor cross-section, rigid (single-wire/multiwire), max.	2 AWG
Conductor cross-section, rigid (single-wire/multiwire), max.	35 mm ²
Conductor cross-section, rigid (single-wire/multiwire), min.	16 AWG
Conductor cross-section, rigid (single-wire/multiwire), min.	1.5 mm ²
Humidity, min.	5 %
Humidity, max.	95 %

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Max. mains-side overcurrent protection	160 A gL/gG
Maximum back-up fuse	160 A
Maximum discharge current (8/20 µs)	40 kA
Maximum discharge current (8/20 µs) [L-N]	40 kA
Maximum discharge current (8/20 µs) [N-PE]	60 kA
Minimum distance	1.5 mm
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 discharge current (8/20 µs) [N-PE]	40 kA
Network form	Other
Ports	One-Port SPD
Test class, type 2	yes
Switching power AC	230 V; 0,5 A
Switching power DC	230 V; 0,1 A / 75 V; 0,5 A
Protection rating	IP20
Protective conductor current	< 500 µA
Signalling on device	Visual
SPD to EN 61643-11	Type 2
SPD to IEC 61643-1	Class II
SPD to UL 1449	Type 4
Permitted temperature range, max.	80 °C
Permitted temperature range, min.	-40 °C
Approvals	VDE KEMA UL ÖVE