

# Technical data sheet

## Plug-in arrester V20 280 V

Item number: 5095364



Surge arrester, type 2

- For surge protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Discharge capacity to 40 kA (8/20) per pole through high-performance varistors
- Modular, plug-in arrester with dynamic cut-off unit and visual status display
- Locking mechanism with vibration protection and voltage keying
- Plastic (UL 94 V-0)



### Master data

Item number	5095364
Type	V20-0-280
Description 1	SurgeController V20
Description 2	plug-in arrester
Manufacturer	OBO
Dimension	280V
Smallest sales unit	1
Unit of quantity	Piece
Weight	5 kg
Weight unit	kg/100 pc.
CO2 Footprint (GWP) Cradle-to-Gate	0,2131 kg CO2e / 1 Piece

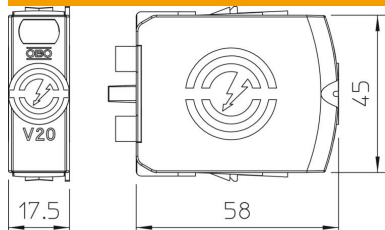
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### Dimensions



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Response time [L-N]	25 ns
Response time [N-PE]	100 ns
Blow-out	no
Pole version	1
Structural width in division units (division unit, 17.5 mm)	1
Operating temperature, max.	80 °C
Operating temperature, min.	-40 °C
Installation location	Interior
Remote signalling	no
Function/defect display	Visual
Housing material surge protection components	PA UL 94 V-0
Maximum continuous voltage (L- N)	280 V
Maximum continuous voltage AC	280 V
Integrated back-up fuse	no
Short-circuit resistant	yes
Short-circuit resistance for max. mains-side overcurrent protection	50 kA eff
Humidity, min.	5 %
Humidity, max.	95 %
Maximum discharge current (8/20 $\mu$ s)	40 kA
Maximum discharge current (8/20 $\mu$ s) [L-N]	40 kA
Minimum distance	1.5 mm
Installation type	On basic element
Nominal discharge current (8/20 $\mu$ s)	20 kA
Nominal discharge current (8/20 $\mu$ s) [L-N]	20 kA
Nominal voltage AC (50/60 Hz)	230 V
Network form	Other
Pole number	1
Ports	One-Port SPD
Test class, type 2	yes
Residual voltage [L-N] @ 1 kA	0.8 kV
Residual voltage [L-N] @ 5 kA	1 kV
Protection rating	IP20
Protective conductor current	< 250 $\mu$ A
Protection level	$\leq 1,3$ kV
Protection level [L-N]	$\leq 1,3$ kV

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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