

# Technical data sheet

## Surge Controller V20 1pole 320V

Item number: 5094684



Surge arrester, type 2, 320 V

- For surge protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Arresting capacity to 40 kA (8/20) per pole
- Arrester, connectable with dynamic cut-off unit and visual function display
- Encapsulated, non-extinguishing zinc oxide varistor arrester for use in distributor housings

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



### Master data

Item number	5094684
Type	V20-C 1-320
Description 1	SurgeController V20
Description 2	single pole version
Manufacturer	OBO
Dimension	320V
Smallest sales unit	1
Unit of quantity	Piece
Weight	12.5 kg
Weight unit	kg/100 pc.

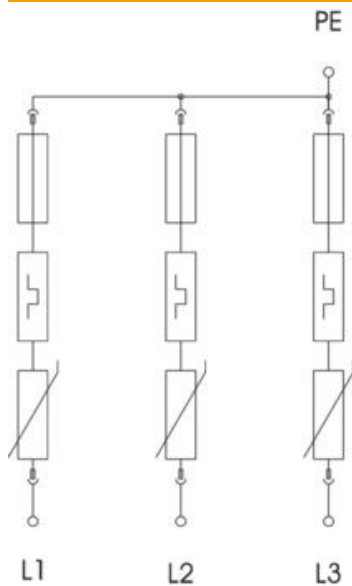
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Arrester surge current (8/20 $\mu$ s) [total]	20 kA
Response time	<25 ns
Version for	1-pole
Pole version	1
Structural width in division units (division unit, 17.5 mm)	1
Operating temperature, max.	80 °C
Operating temperature, min.	-40 °C
Maximum continuous voltage AC	320
Integrated back-up fuse	no
Conductor cross-section, flexible (fine-wire), min.	25 mm <sup>2</sup>
Conductor cross-section, rigid (single-wire/multiwire), max.	35 mm <sup>2</sup>
Conductor cross-section, rigid (single-wire/multiwire), min.	2.5 mm <sup>2</sup>
Lightning protection zone LPZ	1→2
Max. mains-side overcurrent protection	125
Maximum back-up fuse	125 A
Maximum discharge current (8/20 $\mu$ s)	40 kA
Installation type	DIN rail 35 mm
Nominal discharge current (8/20 $\mu$ s)	20 kA
Nominal voltage AC (50/60 Hz)	230 V
Network form	TN
Test class, type 2	yes
Protection rating	IP20
Protection level	≤1,4
Signalling on device	Visual
SPD to EN 61643-11	Type 2
SPD to IEC 61643-1	Class II