

Technical data sheet

Surge arrester, 1-pole + NPE 280 V

Item number: 5094650



- Surge arrester, type 2
- Complete unit consisting of upper part and base, pre-mounted and ready for connection
 - Suitable for TN and TT network systems
 - Plug-in upper part; upper part can be separated from base without tools
 - Incl. thermal and dynamic cut-off unit
 - With visual display of defects
 - High current conductivity and long service life
 - Labelled connections

Application example: Residential buildings, single-family homes and industrial
* Complete = cover and base



Master data		
Item number	5094650	
Type	V20-C 1+NPE-280	
Description 1	SurgeController V20	
Description 2	1+1 version	
Manufacturer	OBO	
Dimension	280V	
Smallest sales unit	1	
Unit of quantity	Piece	
Weight	22.3 kg	
Weight unit	kg/100 pc.	
CO2 Footprint (GWP) Cradle-to-Gate	1,0734 kg CO2e / 1 Piece	

Dimensions		

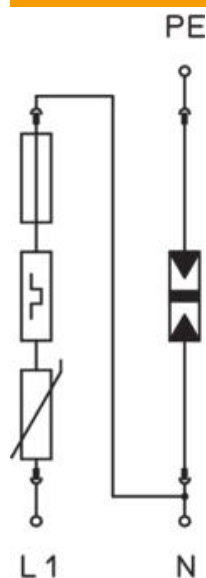
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Arrester surge current (8/20 µs) [total]	40 kA
Response time	<25 ns
Blow-out	no
Version for	1+NPE
Pole version	1+N/PE
Structural width in division units (division unit, 17.5 mm)	2
Operating temperature, max.	80 °C
Operating temperature, min.	-40 °C
Remote signalling	no
Maximum continuous voltage AC	280 V
Integrated back-up fuse	no
Conductor cross-section, rigid (single-wire/multiwire), max.	35 mm ²
Conductor cross-section, rigid (single-wire/multiwire), min.	2.5 mm ²
Lightning protection zone LPZ	1→2
Max. mains-side overcurrent protection	125
Maximum back-up fuse	125 A
Maximum discharge current (8/20 µs)	40 kA
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 voltage AC (50/60 Hz)	230 V
Network form	Other
Test class, type 2	yes
ROHS-conformant	Exempt
Protection rating	IP20
Protection level	≤1,3 kV
Signalling on device	Visual
SPD to EN 61643-11	Type 2
SPD to IEC 61643-11	Class II
Permitted temperature range, max.	80 °C
Permitted temperature range, min.	-40 °C