

# Technical data sheet

## Surge arrester with remote signalling V20+NPE

Item number: 5095670



Surge arrester, type 2

- Complete unit consisting of cover and base, pre-mounted and ready for connection
- Suitable for TN and TT network systems
- Plug-in cover; cover can be separated from base without tools
- Incl. thermal and dynamic cut-off unit
- With remote signalling and potential-free changeover contact for function monitoring
- 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	5095670	
Type	V20-C 3+NPEFS-A	
Description 1	SurgeController V20	
Description 2	with remote signalling	
Manufacturer	OBO	
Dimension	280V	
Smallest sales unit	1	
Unit of quantity	Piece	
Weight	55 kg	
Weight unit	kg/100 pc.	
CO2 Footprint (GWP) Cradle-to-Gate	1,4256 kg COe / 1 Piece	

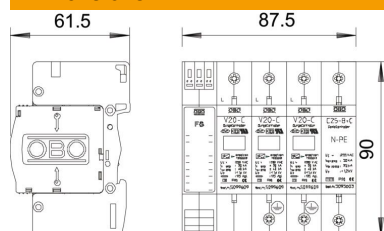
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### Dimensions



### Technical data



Arrester surge current (8/20 µs) [total]	80 kA
Response time	<25 ns
Version for	3-pole with NPE; with RS, 280 V
Pole version	3+N/PE
Structural width in division units (division unit, 17.5 mm)	5
Operating temperature, max.	80 °C
Operating temperature, min.	-40 °C
Maximum continuous voltage AC	280 V
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 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	TN
TN network form	yes
TN-C-S network form	yes
TN-S network form	yes
TT network form	yes
Test class, type 2	yes
Protection rating	IP20
Protection level	≤1,3
Signalling on device	Visual
SPD to EN 61643-11	Type 2
SPD to IEC 61643-1	Class II