Technical data sheet

Surge arrester V10 3-pole + NPE 280 V

Item number: 5094920

Surge arrester, type 2+3

• Complete unit consisting of upper part and base, pre-mounted and ready for connection
• Suitable for TN-S and TT network systems
• Incl. thermal and dynamic cut-off unit
• With visual display of defects
• High current conductivity and long service life
• Labelled connections

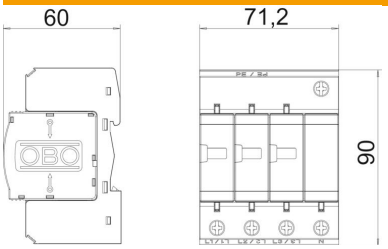
Application example: Residential buildings, single-family homes

LPZ 1→3 Type 2+3

Master data

Item number	5094920
Type	V10-C 3+NPE
Description 1	SurgeController V10
Description 2	3+1 version
Manufacturer	OBO
Dimension	280V
Smallest sales unit	1
Unit of quantity	Piece
Weight	37.8 kg
Weight unit	kg/100 pc.
CO2 Footprint (GWP) Cradle-to-Gate	2,0783 kg CO2e / 1 Piece

Dimensions



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Technical data

[redacted]

Arrester surge current (8/20 µs) [total]	40 kA
Response time	<25 ns
Blow-out	no
Pole version	3+N/PE
Structural width in division units (division unit, 17.5 mm)	4
Operating temperature, max.	80 °C
Operating temperature, min.	-40 °C
Remote signalling	no
Maximum continuous voltage (N-PE)	255 V
Maximum continuous voltage AC	280 V
Conductor cross-section, rigid (single-wire/multiwire), max.	35 mm²
Conductor cross-section, rigid (single-wire/multiwire), min.	2.5 mm²
Lightning protection zone LPZ	1→3
Max. mains-side overcurrent protection	125
Maximum back-up fuse	125 A
Maximum discharge current (8/20 µs)	20 kA
Maximum discharge current (8/20 µs) [L-N]	20 kA
Maximum discharge current (8/20 µs) [N-PE]	50 kA
Installation type	DIN rail 35 mm
Nominal discharge current (8/20 µs)	10 kA
Nominal discharge current (8/20 µs) [L-N]	10 kA
Nominal discharge current (8/20 µs) [N-PE]	30 kA
Nominal voltage AC (50/60 Hz)	230 V
Network form	Other
TN network form	yes
TN-C-S network form	yes
TN-S network form	yes
TT network form	yes
Test class, type 2	yes
ROHS-conformant	yes
Protection rating	IP20
Protection level	≤1,1 kV
Protection level [N-PE]	1.2 kV
Signalling on device	Visual
SPD to EN 61643-11	Type 2+3
SPD to IEC 61643-11	Class II+III
Permitted temperature range, max.	80 °C
Permitted temperature range, min.	-40 °C