Technical data sheet

Combination arrester V25, 1-pole + NPE 280 V

Item number: 5094457

Combination arrester, lightning and surge arrester type 1+2

• Complete unit consisting of upper part and base, pre-mounted and ready for connection
• Universally suitable for TN-S and TT systems
• Plug-in arrester with dynamic cut-off unit
• Visual function display
• Voltage protection level < 0.9 kV
• Encapsulated, non-extinguishing zinc oxide varistor arrester for use in standard distributor housings
• Labelled connections

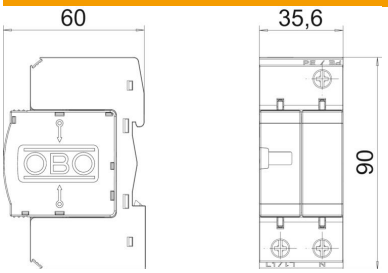
Application example: Buildings with open-wire power supply or for setting up lightning protection equipotential bonding in residential buildings.
* Complete = Plug-in arrester and base

Type 1+2 LPZ 0→2

Master data

Item number	5094457
Type	V25-B+C 1+NPE
Description 1	CombiController V25
Description 2	1+1 version
Manufacturer	OBO
Dimension	280V
Smallest sales unit	1
Unit of quantity	Piece
Weight	24.61 kg
Weight unit	kg/100 pc.
CO2 Footprint (GWP) Cradle-to-Gate	1,0825 kg CO2e / 1 Piece

Dimensions



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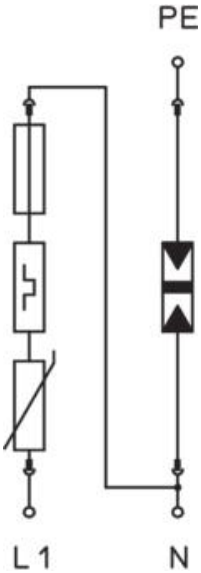

Arrester surge current (8/20 µs) [total]	60 kA
Response time	<25 ns
Blow-out	no
Version for	1-pole complete with NPE
Pole version	1+N/PE
Structural width in division units (division unit, 17.5 mm)	2
Operating temperature, max.	80 °C
Operating temperature, min.	-40 °C
Lightning surge current (10/350 µs)	7 kA
Lightning surge current (10/350 µs) [N/PE]	25 kA
Lightning surge current (10/350)	14 kA
Remote signalling	no
Follow current quenching capacity leff	25 kA
Combined voltage protection level [L-PE]	1200 kV
Maximum continuous voltage AC	280 V
Maximum continuous voltage DC	200 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	0→2
Max. mains-side overcurrent protection	160
Maximum back-up fuse	160 A
Maximum discharge current (8/20 µs)	50 kA
Nominal discharge current (8/20 µs)	30 kA
Nominal discharge current (8/20 µs) [L-N]	30 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
Pole number	1
ROHS-conformant	Exempt
Protection rating	IP20
Protection level	≤0,9 kV
Protection level [L-N]	≤900
Signalling on device	Visual
SPD to EN 61643-11	Type 1+2
SPD to IEC 61643-11	Class I+II
Permitted temperature range, max.	80 °C
Permitted temperature range, min.	-40 °C