Technical data sheet

PV CombiController V25, plug-in arrester, type 1+2

Item number: 5097065

CombiController upper part - type 1+2, combination arrester for photovoltaic systems

- For surge protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Arresting capacity to 7 kA (10/350) and 50 kA (8/20) per pole
- Low DC voltage protection level: < 1.5 kV per pole (Y circuit: 3.0 kV and Voc max = 900 V DC)
- Plug-in arrester with thermodynamic cut-off unit and visual function display
- Encapsulated, zinc oxide varistor arrester for use in distributor housings
- High current carrying capacity with long lifespan

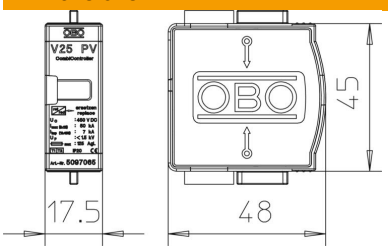
Application: PV systems with lightning protection system

Type 1+2 LPZ 0→2

Master data

Item number	5097065
Type	V25-B+C 0-450PV
Description 1	CombiController V25
Description 2	plug-in arrester f. PV systems
Manufacturer	OBO
Dimension	450V DC
Smallest sales unit	1
Unit of quantity	Piece
Weight	9.5 kg
Weight unit	kg/100 pc.
CO2 Footprint (GWP) Cradle-to-Gate	0,169 kg CO2e / 1 Piece

Dimensions



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Technical data

Response time	<25 ns
Blow-out	no
Version for	1-pole, PV upper part with Y base to 900 V DC
Pole version	1
Structural width in division units (division unit, 17.5 mm)	1
Operating temperature, max.	80 °C
Operating temperature, min.	-40 °C
Lightning surge current (10/350 µs)	7 kA
Remote signalling	no
Maximum continuous voltage AC	385 V
Maximum continuous voltage DC	450 V
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
ROHS-conformant	yes
Protection rating	IP20
Protection level	≤1,5 kV
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