Technical data sheet

PV combination arrester V25, 900 V DC

Item number: 5097447

V25 combination arrester, type 1+2, for photovoltaic systems

- Complete unit, consisting of plug-in varistor arrester with cut-off unit
- Error-resistant Y circuit to VDE 0100-712 (EN 50539-12)
- Surge protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Arresting capacity up to 7 kA (10/350) and 50 kA (8/20) per pole
- Low DC protection level: < 3.0 kV and Voc max = 900 V DC
- With visual function display for use in distributor housings

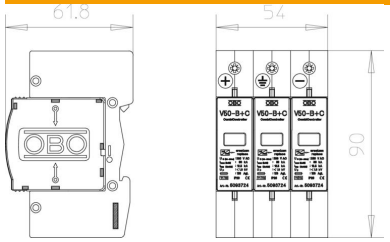
Application: PV systems with lightning protection system

Type 1+2 LPZ 0→2

Master data

Item number	5097447
Description 1	CombiController V25
Description 2	three-pole for photovoltaics
Manufacturer	OBO
Dimension	900V DC
Smallest sales unit	1
Unit of quantity	Piece
Weight	42.2 kg
Weight unit	kg/100 pc.

Dimensions



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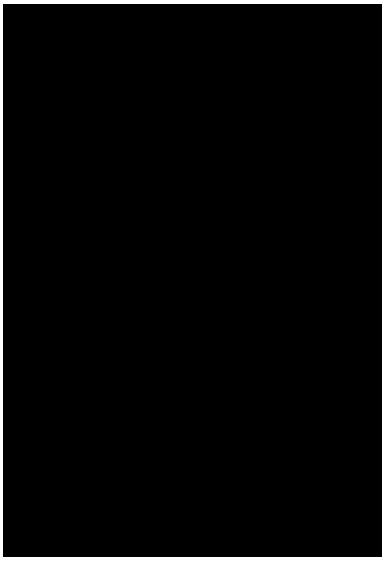

Response time	<25 ns
Blow-out	no
Version for	3-pole for PV systems
Pole version	3
Structural width in division units (division unit, 17.5 mm)	3
Operating temperature, max.	80 °C
Operating temperature, min.	-40 °C
Lightning surge current (10/350 µs)	7 kA
Remote signalling	no
Maximum continuous voltage DC	900
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
Installation type	DIN rail 35 mm
Nominal discharge current (8/20 µs)	30 kA
Nominal discharge current (8/20 µs) [L-N]	30 kA
Network form	DC
DC network form	yes
IT network form	no
Other network form	no
TN network form	no
TN-C network form	no
TN-C-S network form	no
TN-S network form	no
TT network form	no
Protection rating	IP20
Protection level	≤3,0
Signalling on device	Visual
SPD to EN 61643-11	Type 1+2
SPD to IEC 61643-1	Class I+II
Cable type for surge protection devices	Power cable DC (PV)