

Technical data sheet

PV CombiController V50, plug-in arrester, type 1+2

Item no. 5093726



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 12.5 kA (10/350) and 50 kA (8/20) per pole
- Low DC voltage protection level: < 1.3 kV per pole (Y circuit: 2.6 kV and $V_{oc\ max} = 600\ V\ DC$)
- 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

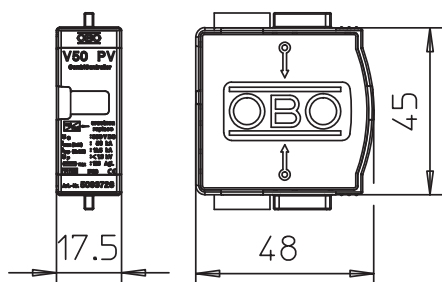
Application: PV systems with lightning protection system



Additional product text 1

Plug-in arrester

Dimensions



Master data

Item no.	5093726
Type	V50-B+C 0-300PV
Description 1	CombiController V50
Description 2	plug-in arrester f. PV systems
Dimension	300V DC
Smallest sales unit (VG)	1,00 Piece
Weight	8,20 kg/100 pc.

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SPD to EN 61643-11	Type 1+2
SPD to IEC 61643-11	Class I+II
Maximum continuous voltage AC	280,00 V
Max. continuous operating voltage	280,00 V
Maximum continuous voltage DC	300,00 V
U max DC	300,00 V
Nominal discharge current (8/20)	30 kA
Nominal discharge current (8/20 µs) [L-N]	30,00 kA
Maximum discharge current (8/20 µs)	50,00 kA
Impulse discharge current (10/350)	12,50 kA
Lightning impulse current (10/350) (L-N)	12,50 kA
Lightning surge current (10/350)	12,50 kA
Protection level	< 1,3 kV
Protection level (L-N)	< 1,3 kV
Response time	<25 ns
Maximum back-up fuse	125,00 A
Temperature range	-40+80 °C
Pole version	1
Version	1-pole, PV upper part with Y base to 600 V DC
Version	1-pole
Protection rating	IP20
Protection rating	IP 20
Division unit TE (17.5 mm)	1
Connection cross-section, flexible	2,50 - 25,00 mm²
Connection cross-section, rigid	2,50 - 35,00 mm²
Connection cross-section, multi-wire	2,50 - 35,00 mm²