

Technical data sheet

PV housing for inverter with 1 MPP tracker, type 1+2



Item number: 5088693



System solution for photovoltaic inverter with 1 MPP tracker

- Varistor arrester, connectable with cut-off unit in error-resistant Y circuit to VDE 0100-712 (50539-12)
- Low DC protection level: < 3.0 kV (Uoc max. = 600 VDC with V50-B+C/0-300PV / V20-C/0-300PV)
- Per protection device, there are 10 terminals up to 6 mm² pre-mounted in the housing, up to 30 A DC per terminal
- Pre-mounted in polycarbonate housing (IP65), UV-resistant for use outside, including cable gland kit

For DC protection of the inverter in photovoltaic systems.

If there is a danger of condensation forming through wind, ice, temperature or sunlight, further measures may be necessary!



Master data

Item number	5088693
Type	VG-BC DCPH-MS600
Description 1	Surge protective device
Description 2	type 1+2 multistring PVsystems
Manufacturer	OBO
Dimension	600V DC
Smallest sales unit	1
Unit of quantity	Piece
Weight	159 kg
Weight unit	kg/100 pc.

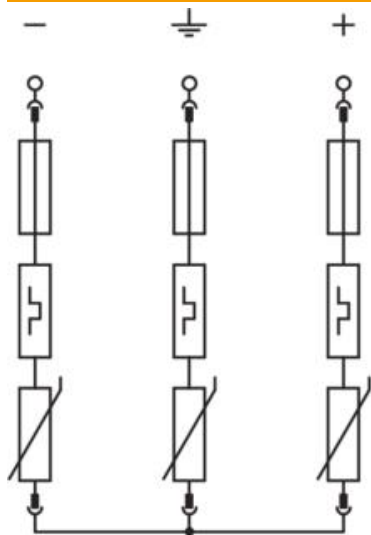
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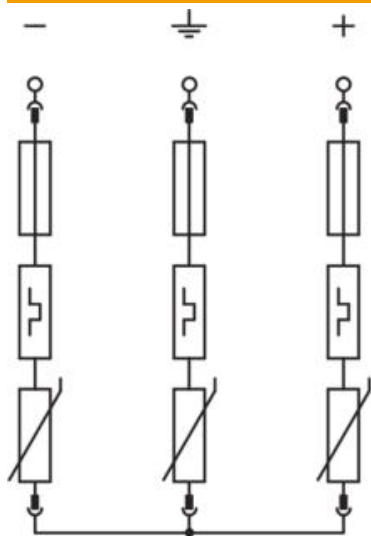
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Arrester surge current (8/20 μ s) [total]	30 kA
Response time	<25 ns
Blow-out	no
Version for	Type 1+2in housing with terminals
Structural width in division units (division unit, 17.5 mm)	Miscellaneous
Operating temperature, max.	80 °C

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Operating temperature, min.	-40 °C
Lightning surge current (10/350 μ s)	12.5 kA
Remote signalling	no
Maximum continuous voltage DC	600
Conductor cross-section, flexible (fine-wire), min.	6 mm ²
Conductor cross-section, rigid (single-wire/multiwire), max.	6 mm ²
Conductor cross-section, rigid (single-wire/multiwire), min.	0.5 mm ²
Lightning protection zone LPZ	0→2
Max. mains-side overcurrent protection	125
Max. PV voltage	600 V
Maximum back-up fuse	125 A
Maximum discharge current (8/20 μ s)	50 kA
Installation type	Pre-mounted in the housing
Nominal discharge current (8/20 μ s)	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	IP65

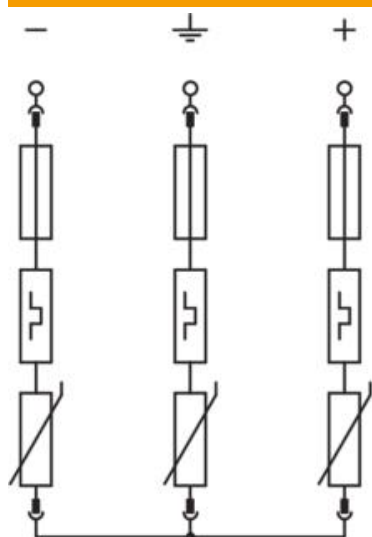
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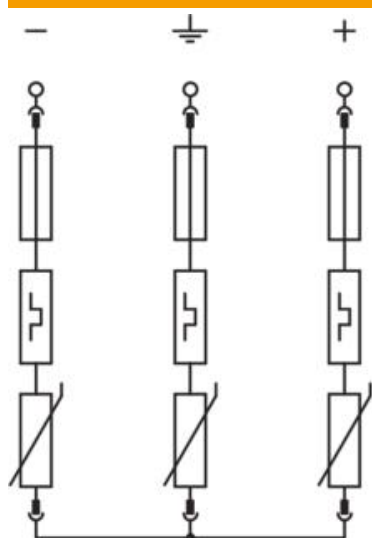
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Protection level	≤2,6
Signalling on device	Visual
SPD to EN 61643-11	Type 1+2
SPD to IEC 61643-1	Class I+II
Cable type for surge protection devices	Power cable DC (PV)

Technical data



Conductor cross-section, rigid (single-wire/multiwire), max.	6 mm ²
Conductor cross-section, rigid (single-wire/multiwire), min.	0.5 mm ²
Lightning protection zone LPZ	0→2
Max. mains-side overcurrent protection	125
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