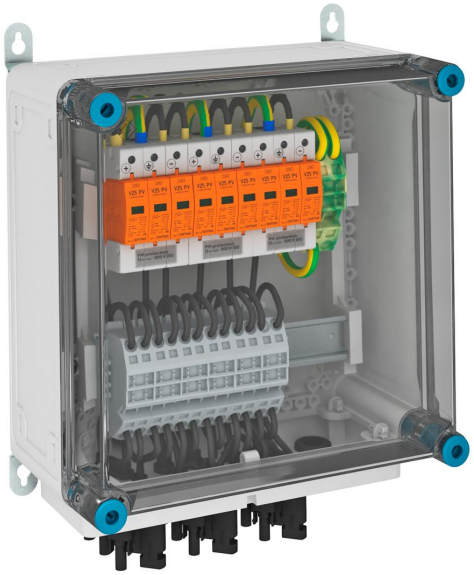
Technical data sheet

PV housing for inverter with 3 MPP trackers, type 1+2, 900 V DC

Item number: 5088629



System solution with MC4 connector for photovoltaic inverter with 3 separate MPP trackers

• 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 (Voc max = 900 V DC with V25-B+C/ 0-450PV)

• Two PV string inputs (MC4 plug connector) at one MPP inverter input, up to 30 A DC per terminal

• Pre-mounted in polycarbonate housing (IP65), UV-resistant for use outside

For DC protection of the inverter of photovoltaic systems.

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

Type 1+2 LPZ 0→2

Master data

Item number	5088629
Type	VG-BC DCPH900-31
Description 1	PV surge protective device
Description 2	3x2 PV string to 3 WR-MPP
Manufacturer	OBO
Dimension	900V DC
Smallest sales unit	1
Unit of quantity	Piece
Weight	542 kg
Weight unit	kg/100 pc.
CO2 Footprint (GWP) Cradle-to-Gate	3,1379 kg COe / 1 Piece

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Dimensions

[redacted]

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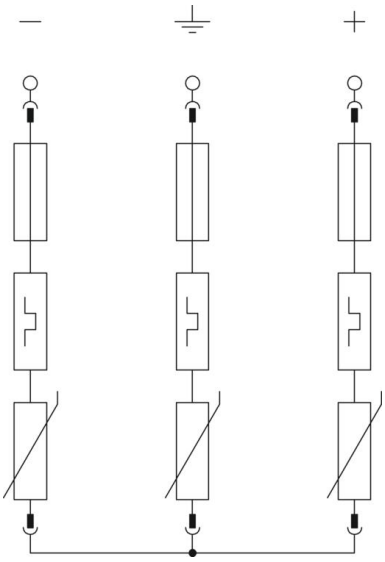

Arrester surge current (8/20 µs) [total]	30 kA
Response time	<25 ns
Version for	For three MPP and with MC4 connection
Operating temperature, max.	80 °C
Operating temperature, min.	-40 °C
Lightning surge current (10/350 µs)	7 kA
Remote signalling	no
Maximum continuous voltage DC	900 V
Lightning protection zone LPZ	0→2
Max. mains-side overcurrent protection	160
Maximum back-up fuse	160 A
Maximum discharge current (8/20 µs)	50 kA
Installation type	Pre-mounted in the housing
Nominal discharge current (8/20 µs)	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
Test class, type 2	yes
Protection rating	IP65
Protection level	≤3,0 kV
Signalling on device	Visual
SPD to EN 61643-11	Type 1+2
SPD to IEC 61643-1	Class I+II
Permitted temperature range, max.	80 °C
Permitted temperature range, min.	-40 °C