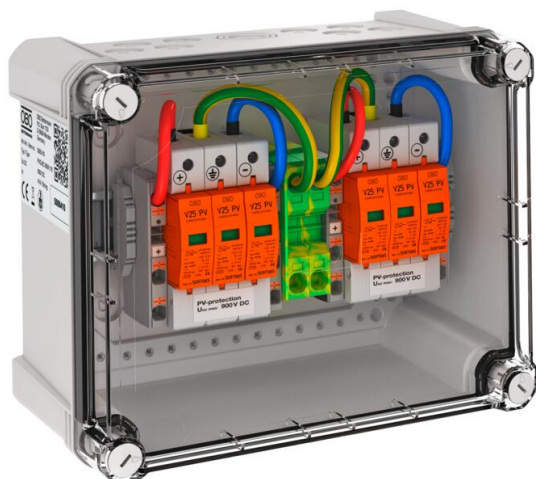


Technical data sheet

Generator connection box, type 1 + 2, for 2 x 1 string

Item number: 5088410



Generator connection box, type 1 + 2, for photovoltaic systems, to connect 2 x 1 string. For DC protection of the inverter.

- Varistor arrester, plug-in, with separation device in error-resistant Y circuit according to VDE 0100-712 (50539-12)
- Low DC protection level: < 3.0 kV (Uoc max = 900 V DC)
- 2 protection devices with 2 push-in terminals each of up to 6 mm² pre-installed in the housing, up to 41 A DC per terminal
- Polycarbonate housing (IP67), UV-resistant for exterior use, incl. cable gland set and pressure compensation element

Additional measures may be required if there is the risk of condensation formation through wind, ice, temperature or sun!



Master data

Item number	5088410
Type	PVG-BC 900K 110
Description 1	Combiner Box
Description 2	2x1 PV string to 2 WR-MPP
Manufacturer	OBO
Dimension	900V DC
Colour	Light grey; RAL 7035
Smallest sales unit	1
Unit of quantity	Piece
Weight	220 kg
Weight unit	kg/100 pc.
CO2 Footprint (GWP) Cradle-to-Gate	6,1019 kg CO2e / 1 Piece

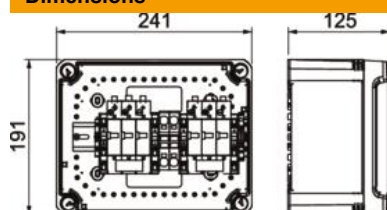
Technical data sheet

Generator connection box, type 1 + 2, for 2 x 1 string

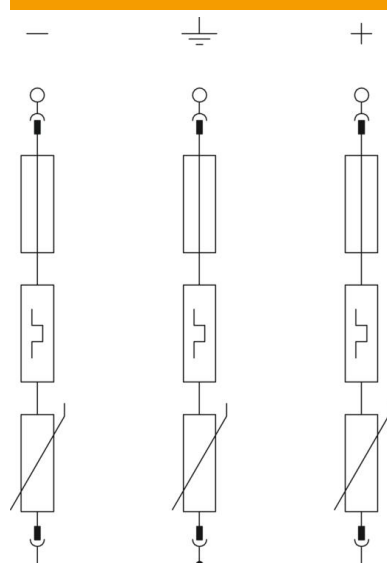
Item number: 5088410



Dimensions



Technical data



Response time	<25 ns
Number of inputs	1
Type of entry	Gland
Version for	For 2 MPPT and with push-in terminal
Operating temperature, max.	60 °C
Operating temperature, min.	-25 °C
Lightning surge current (10/350 µs)	7 kA
Suitable for outdoor use	yes
Housing material surge protection components	PC
Maximum continuous voltage DC	900 V
Conductor cross-section, flexible (fine-wire), max.	6 mm²
Conductor cross-section, flexible (fine-wire), max.	10 AWG
Conductor cross-section, flexible (fine-wire), min.	21 AWG
Conductor cross-section, flexible (fine-wire), min.	0.5 mm²
Conductor cross-section, rigid (single-wire/multiwire), max.	8 AWG
Conductor cross-section, rigid (single-wire/multiwire), max.	10 mm²
Conductor cross-section, rigid (single-wire/multiwire), min.	21 AWG
Conductor cross-section, rigid (single-wire/multiwire), min.	0.5 mm²
Lightning protection zone LPZ	0→2
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
ROHS-conformant	yes
Protection rating	IP67
Protection rating IK code	IK08
Protection level	≤3 kV
Signalling on device	Visual
SPD to EN 61643-11	Type 1+2
SPD to IEC 61643-11	Class II
Permitted temperature range, max.	60 °C

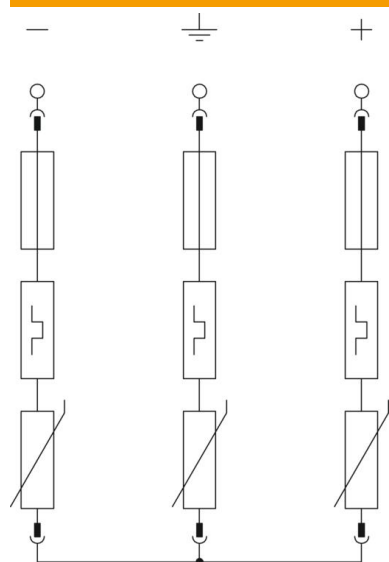
Technical data sheet

Generator connection box, type 1 + 2, for 2 x 1 string

Item number: 5088410



Technical data



Permitted temperature range, min.

-25 °C

Depth

125 mm

Number of cable entries

8

Max. Input voltage DC

900 V

String fuse

Without

Monitoring function

no

Max. Input current per string

41 A

Max. Output current

41 A

Number of string inputs

1

Equipped with load-break switch

no

Anschlussart Generatoran-
schlusskasten

Push-in terminal

Number of MPPTs

2

Entries per MPPT

1

Exits per MPPT

1