Technical data sheet

Generator connection box, type 1+2, for 2x 3 string, combination arrester
Item number: 5088462



Generator connection box, type 1+2, with original MC4-Evo 2 connectors to connect 2x 3 string. For DC protection of the inverter.

• Type 1+2 combination arrester for lightning protection equipotential bonding to EN 62305 (VDE 0185-305)
• Surge protection according to IEC 60364-7-712 (VDE 0100-712)
• Low DC protection level: < 4.5 kV (Uoc max = 1,500 V DC)
• 2 protection devices with three PV string entries each (MC4-Evo 2 connectors) and 1 PV string exit (MC4-Evo 2 connector) pre-installed, up to 57 A DC per terminal
• Polycarbonate housing (IP67, IK08), UV-resistant for the use outside, including cable gland and pressure balance plug

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

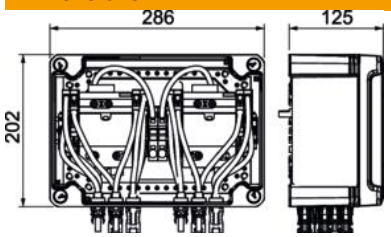
Master data

Item number	5088462
Type	PVG-BC1500M110
Description 1	Combiner Box MC4
Description 2	2x3 PV-string to 2 WR-MPP
Manufacturer	OBO
Dimension	1500V DC
Smallest sales unit	1
Unit of quantity	Piece
Weight	267 kg
Weight unit	kg/100 pc.
CO2 Footprint (GWP) Cradle-to-Gate	4,5606 kg CO2e / 1 Piece

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Dimensions



Width	286 mm
Height	202 mm

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Arrester surge current (8/20 µs) [total]	40 kA
Response time	<25 ns
Number of inputs	3
Type of entry	Gland
Version for	Y configuration
Pole version	Other
Operating temperature, max.	65 °C
Operating temperature, min.	-25 °C
Lightning surge current (10/350 µs)	6.25 kA
Lightning surge current (10/350)	12.5 kA
Suitable for outdoor use	yes
Housing material surge protection components	PC
Maximum continuous voltage DC	1500 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)	40 kA
Installation type	Pre-mounted in the housing
Nominal discharge current (8/20 µs)	30 kA
Network form	DC
DC network form	yes
OBO_Nominal load current (input/output terminal)	50 A
Test class, type 2	yes
Protection rating	IP67
Protection rating IK code	IK08

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Protection level	≤4,5 kV
Signalling on device	Visual
SPD to EN 61643-11	Type 1+2
SPD to IEC 61643-11	Class II
Permitted temperature range, max.	65 °C
Permitted temperature range, min.	-25 °C
Depth	125 mm
Number of cable entries	1
Max. Input voltage DC	1500 V
String fuse	Without
Monitoring function	no
Max. Input current per string	57 A
Max. Output current	57 A
Number of string inputs	3
Equipped with load-break switch	no
Anschlussart Generatoran-schlusskasten	MC4-Evo 2
Number of MPPTs	2
Entries per MPPT	3
Exits per MPPT	1