

Technical data sheet

PV system solution, type 2, with MC4 connector and switch
disconnecter for inverter with 1 MPP tracker, 1,000 V DC
Item number: 5088501



PV system solution, type 2, with MC4 connector and switch disconnecter for inverter with 2 MPP trackers, 1,000 V DC

- Varistor arrester, pluggable with cut-off unit in error-resistant Y circuit to VDE 0100-712 (50539-12)
- Low DC protection level: < 4.0 kV (Uoc max = 1,000 V DC with V20-C/0-500PV)
- Circuit breaker (1,000 V; 20 A) for the safe disconnection of the DC string cable
- One PV string input (MC4 connector) to one MPP input
- Pre-mounted with polycarbonate housing (IP66), UV-resistant for the use outside

For DC protection of the inverter in PV systems.

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



PC Polycarbonate

Master data

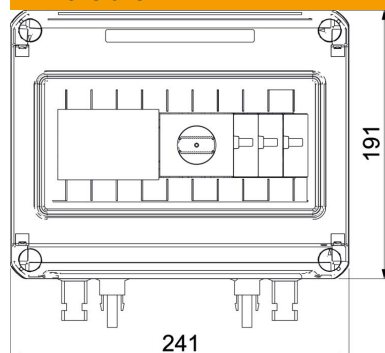
Item number	5088501
Type	PKV-C1000ST100
Description 1	PV system solution in housing
Description 2	1 string to 1 WR with switch
Manufacturer	OBO
Dimension	1000V DC
Colour	Light grey; RAL 7035
Material	Polycarbonate
Smallest sales unit	1
Unit of quantity	Piece
Weight	180 kg
Weight unit	kg/100 pc.
CO2 Footprint (GWP) Cradle-to-Gate	8,7932 kg CO2e / 1 Piece

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Dimensions



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	Response time	<25 ns
	Number of inputs	1
	Type of entry	MC4
	Version for	3-pole for PV systems
	Pole version	3
	Structural width in division units (division unit, 17.5 mm)	Miscellaneous
	Operating temperature, max.	80 °C
	Operating temperature, min.	-40 °C
	Remote signalling	no
	Maximum continuous voltage DC	1000 V
	Integrated back-up fuse	no
	Lightning protection zone LPZ	1→2
	Max. mains-side overcurrent protection	125
	Max. PV voltage	1000 V
	Maximum back-up fuse	125 A
	Maximum discharge current (8/20 µs)	40 kA
	Installation type	Pre-mounted in the housing
	Nominal discharge current (8/20 µs)	20 kA
	Nominal voltage DC	1000 V
	Network form	Other
	DC network form	no
	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
	ROHS-conformant	yes
	Protection rating	IP66
	Protection rating IK code	IK08

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Protection level	≤4 kV
Signalling on device	Visual
SPD to EN 61643-11	Type 2
SPD to IEC 61643-11	Class II
Permitted temperature range, max.	60 °C
Permitted temperature range, min.	-5 °C
Depth	125 mm
Number of cable entries	4
Max. Input voltage DC	1000 V
String fuse	Without
Monitoring function	no
Max. Input current per string	20 A
Max. Output current	20 A
Number of string inputs	1
Equipped with load-break switch	yes