Technical data sheet

PV system solution, type 2, with MC4 connector and switch disconnector for inverter with 2 MPP trackers, 1,000 V DC
Item number: 5088503

System solution, type 2, with MC4 connector and switch disconnector 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!

Type 2 | LPZ 1→2

PC Polycarbonate

Master data

Item number	5088503
Type	PKV-C1000ST110
Description 1	PV system solution in housing
Description 2	2 string to 2 WR with switch
Manufacturer	OBO
Dimension	1000V DC
Colour	Light grey; RAL 7035
Material	Polycarbonate
Smallest sales unit	1
Unit of quantity	Piece
Weight	270 kg
Weight unit	kg/100 pc.
CO2 Footprint (GWP) Cradle-to-Gate	13,5718 kg CO2e / 1 Piece

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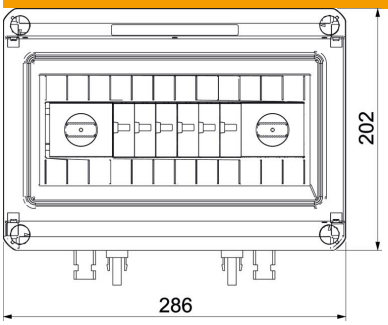
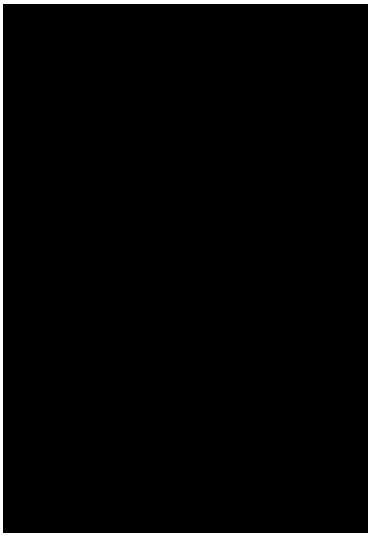
Dimensions



Technical data



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	yes
IT network form	no
Other network form	yes
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	IP66
Protection rating IK code	IK08
Protection level	≤4
Signalling on device	Visual
SPD to EN 61643-11	Type 2

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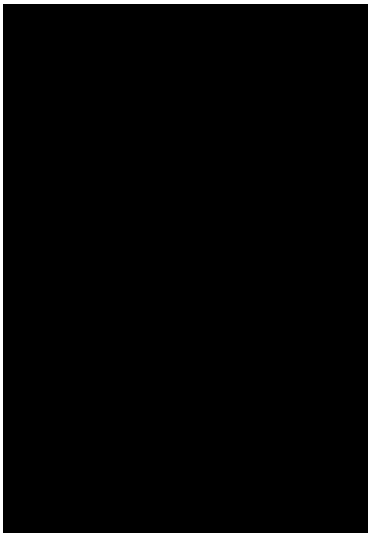

Technical data

SPD to IEC 61643-1	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