Technical data sheet

PV system solution, type 2, with MC4 connector and switch disconnector for inverter with 1 MPP tracker, Item no. 5088501



System solution, type 2, with MC4 connector and switch disconnector for inverter with 1 MPP tracker, 1,000 V DC

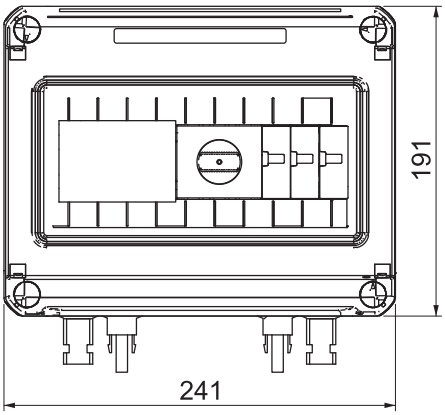
- Varistor arrester, connectable with cut-off unit in error-resistant Y circuit to VDE 0100-712 (50539-12)
- Low DC voltage protection level: < 4.0 kV (Voc max = 1,000 V DC with V20-C/0-500PV)
- Switch-disconnector (1,000 V; 8 A) for safe switch-off of the DC string line
- One PV string input (MC4 plug connector) at an MPP input, up to 30 A DC per terminal
- Pre-mounted in polycarbonate housing (IP66), UV-resistant for use outside

For DC protection of the inverter in photovoltaic 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

Dimensions



Master data

Item no.	5088501
Type	PKV-C1000ST100
Description 1	PV system solution in housing
Description 2	1 string to 1 WR with switch
Dimension	1000V DC
Colour	Light grey
RAL number	7035
Material	Polycarbonate

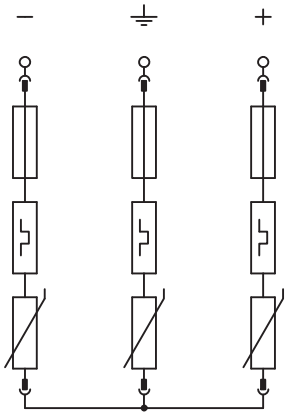
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PV system solution, type 2, with MC4 connector and switch disconnector for inverter with 1 MPP tracker, Item no. 5088501

Master data

Material symbol	PC
Smallest sales unit (VG)	1,00 Piece
Weight	180,00 kg/100 pc.

Technical data



SPD to EN 61643-11	Type 2
SPD to IEC 61643-11	Class II
Test class, type 2	☑
Nominal voltage DC	1.000,00 V
Maximum continuous voltage DC	1.000,00 V
U max DC	1.000,00 V
Nominal discharge current (8/20 µs)	20,00 kA
Nominal discharge current (8/20)	20 kA
Maximum discharge current (8/20 µs)	40,00 kA
Protection level	4,00 kV
Protection level	< 4,0 kV
Response time	< 25 ns
Maximum back-up fuse	125,00 A
Temperature range	-40-+80 °C
Pole version	3
Version	3-pole for PV systems
Version	3-pole
Mounting type	Pre-mounted in the housing
Protection rating	IP66
Protection rating	IP66
Size	Other
Remote signalling	☐
Integrated back-up fuse	☐
Max. PV voltage	1.000,00 V
Signalling on device	Visual