

# Technical data sheet

PV system solution, type 2, for inverter with 1 MPP tracker, 1000 V DC  
Art.-Nr. 5088593



System solution for photovoltaic inverter with 1 separate MPP tracker

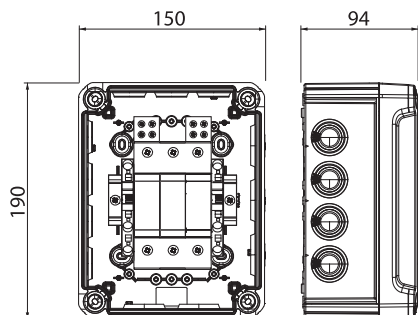
- Varistor arrester, connectable with cut-off unit in error-resistant Y circuit to VDE 0100-712 (50539-12)
- For each protection device, there are 3 terminal points up to 16 mm<sup>2</sup> pre-mounted in the housing, up to 30 A DC per terminal
- Low DC protection level: < 4.0 kV (Uoc max = 1000 V DC with V20-B/0-500PV)
- Pre-mounted in polycarbonate housing (IP66), UV-resistant for the use outside, including cable gland kit

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!



## Dimensions



## Master data

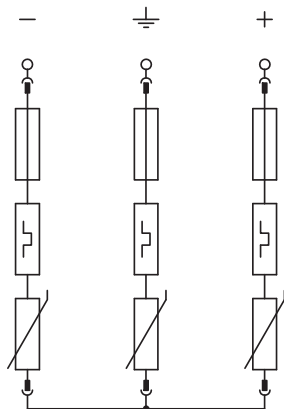
Item no.	5088593
Type	VG-V20-C3-PH1000
Description 1	PV system solution in housing
Description 2	1 PV-String to 1 WR-MPP
Dimension	1000V
Smallest sales unit	1,00 Piece
Weight	87,00 kg/100 pc.

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## Technical data



SPD to EN 61643-11	Type 2
SPD to IEC 61643-11	Class II
Test class, type 2	<input checked="" type="checkbox"/>
Maximum continuous voltage DC	1.000,00 V
U max DC	1.000,00 V
Nominal discharge current (8/20)	20 kA
Maximum discharge current (8/20 µs)	40,00 kA
Protection level	< 4,0 kV
Response time	< 25 ns
Maximum back-up fuse	125,00 A
Short-circuit resistant	<input checked="" type="checkbox"/>
Temperature range	-40-+80 °C
Version	Type 2 in housing with terminals
Version	3-pole
Mounting type	Pre-mounted in the housing
Installation type	Pre-mounted in the housing
Protection rating	IP66
Protection rating	IP66
Size	Other
Division unit TE (17.5 mm)	3
Telecommunications contact	<input type="checkbox"/>
Max. cable cross-section flexible (fine-wire)	10,00 mm <sup>2</sup>
Max. cable cross-section rigid (single wire/multi-wire)	16,00 mm <sup>2</sup>
Connection cross-section, flexible	1,50 - 10,00 mm <sup>2</sup>
Connection cross-section, rigid	1,50 - 16,00 mm <sup>2</sup>
Connection cross-section, multi-wire	1,50 - 16,00 mm <sup>2</sup>
Max. PV voltage	1.000,00 V
Signalling on device	Optical