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 mm² 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
Туре	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 Imaximum continuous voltage 1.000,00 V D 1.000,00 V U max DC 1.000,00 V Nominal discharge current (8/20) 40.00 kA (8/20) 40.00 kA Response time <25 ns Maximum backup fuse 125.00 A Short-circuit resistant Imaximum backup fuse Yersion Ype 2 in housing with terminals Version 3pole Mounting type Pre-mounted in the housing Installation type Pre-mounted in the housing Protection rating IP66 Staze Other Division unit TE (17.5 mm) 3 Staze le cross-section rigid 1.50-10.00 mm² Kax. cable cross-section rigid 1.50-10.00 mm² Connection cross-section, rigid 1.50-10.00 mm² Connection cross-section, rigid 1.50-10.00 mm² Kax. PV voltage 1.000,00 V		
Test class, type 2Image: Class clas	SPD to EN 61643-11	Туре 2
Notices of pointImage: Constraint of the section of the	SPD to IEC 61643-11	Class II
DCInterpret with the server of th	Test class, type 2	
Nominal discharge current (8/20)20 kAMaximum discharge current (8/20 µs)40,00 kAProtection level< 4,0 kV		1.000,00 V
(8/20)40,00 kA(8/20 µs)40,00 kAProtection level<4,0 kV	U max DC	1.000,00 V
(8/20 µs)Image: Construct of the second of the	0	20 KA
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Maximum back-up fuse125,00 AShort-circuit resistantImperature range-40+80 °CVersionType 2 in housing with terminalsVersion3-poleMounting typePre-mounted in the housingInstallation typePre-mounted in the housingProtection ratingIP66Protection ratingIP66SizeOtherDivision unit TE (17.5 mm)3Telecommunications contactInstallation specifiesMax. cable cross-section rigid (single wire/multi-wire)1,50-10,00 mm²Connection cross-section, rigid wire1,50-16,00 mm²Nax. PV voltage1.000,00 V	Protection level	< 4,0 kV
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Telecommunications contact Image: Conservations contact Max. cable cross-section flexible (fine-wire) 10,00 mm ² Max. cable cross-section rigid (single wire/multi-wire) 16,00 mm ² Connection cross-section, flexible 1,50 - 10,00 mm ² Connection cross-section, rigid 1,50 - 16,00 mm ² Connection cross-section, multi-wire 1,50 - 16,00 mm ² Max. cable cross-section, rigid 1,50 - 16,00 mm ² Connection cross-section, rigid 1,50 - 16,00 mm ² Max. PV voltage 1.000,00 V	Size	Other
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Connection cross-section, multi- 1,50 - 16,00 mm² wire 1.000,00 V		1,50 - 10,00 mm ²
wire Max. PV voltage 1.000,00 V	Connection cross-section, rigid	1,50 - 16,00 mm ²
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Signalling on device Optical	Max. PV voltage	1.000,00 V
	Signalling on device	Optical