

Technical data sheet

PV system solution, type 2, to 1000 V DC with switch
disconnecter (32 A)

Item no. 5088660



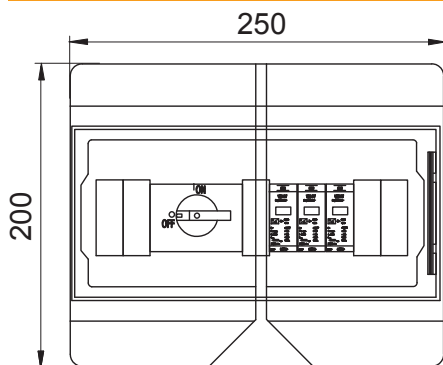
System solution for circuit breaker photovoltaic inverter with 1 MPP tracker

- Varistor arrester, connectable with cut-off unit in error-resistant Y circuit to VDE 0100-712 (50539-12)
- Low DC protection level: < 4.0 kV (Voc max = 1,000 V DC with V28-B+C/0-500PV)
- Circuit breaker (1,000 V; 32 A) for secure switch-off of the DC string cable
- Per protection device, there is 1 terminal up to 6 mm² pre-mounted in the housing, up to 30 A DC per terminal
- Pre-mounted in polycarbonate housing (IP65), UV-resistant for 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.	5088660
Type	VG-C DC-TS1000
Description 1	Surge protective device
Description 2	2 PV string w. circuit breaker
Dimension	1000V DC
Smallest sales unit (VG)	1 Piece
Weight	182,50 kg/100 pc.

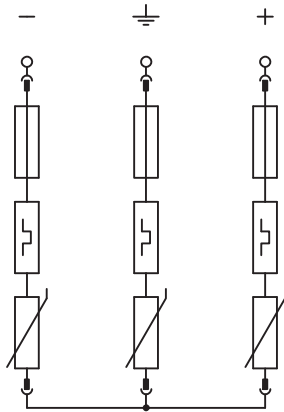
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SPD to EN 61643-11	Type 2
SPD to IEC 61643-11	Class II
Maximum continuous voltage DC	1.000,00 V
U max DC	1.000,00 V
Nominal discharge current (8/20)	20 kA
Maximum discharge current (8/20 µs)	40,00 kA
Protection level	< 4,0 kV
Response time	< 25 ns
Temperature range	-40+80 °C
Version	Type 2 and Benedikt LS32-SMA-A4 DC isolator
Protection rating	IP65
Protection rating	IP65
Connection cross-section, flexible	0,50 - 6,00 mm ²
Connection cross-section, rigid	0,50 - 6,00 mm ²
Connection cross-section, multi-wire	0,50 - 6,00 mm ²