

Technical data sheet

PV system solution, type 1+2, to 900 V DC with switch
disconnecter (32 A)

Item no. 5088635

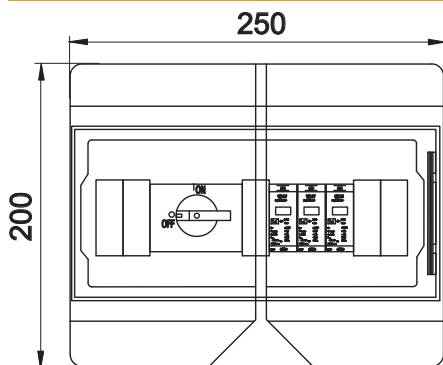


- System solution for circuit breaker photovoltaic inverter with 1 MPP tracker
- Varistor arrester, connectable with cut-off unit in error-resistant Y circuit to VDE 0100-712 (50539-12)
 - Low DC protection level: < 3.0 kV (Voc max = 900 V DC with V25-B+C/0-450PV)
 - Circuit breaker (1,000 V; 32 A) for 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.	5088635
Type	VG-BC DC-TS900
Description 1	Surge protective device
Description 2	2 PV string w. circuit breaker
Dimension	900V DC
Smallest sales unit (VG)	1 Piece
Weight	182,50 kg/100 pc.

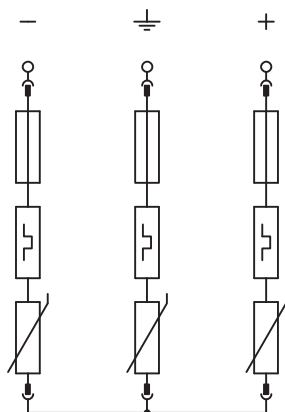
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SPD to EN 61643-11	Type 1+2
SPD to IEC 61643-11	Class I+II
Maximum continuous voltage DC	900,00 V
U max DC	900,00 V
Nominal discharge current (8/20)	30 kA
Maximum discharge current (8/20 µs)	50,00 kA
Impulse discharge current (10/350)	7,00 kA
Protection level	< 3,0 kV
Response time	< 25 ns
Maximum back-up fuse	160,00 A
Temperature range	-40+80 °C
Version	Type 1+2 and Benedikt LS32-SMA-A4 DC isolator
Protection rating	IP65
Protection rating	IP65
Blow-out	□
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
Signalling on device	Visual