

PV system solution, type 2, to 1,000 V DC with circuit breaker (32 A)



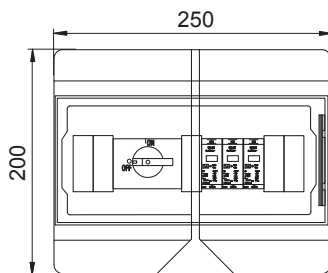
System solution for circuit breaker photovoltaic inverter with 1 MPP tracker

- 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 V20-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.

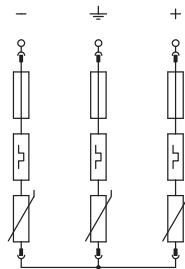
If there is a danger of condensation forming through wind, ice, temperature or sunlight, further measures may be necessary!

Dimensions



Type	U max DC V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
VG-C DC-TS1000	1000	Type 2 and Benedikt LS32-SMA-A4 DC isolator	1	182,500	5088660

Connection options



VG-C DC-TS1000

U max DC V	U _c DC	1000
SPD to EN 61643-11		Type 2
Lightning protection zone LPZ		1→2
Impulse discharge current (10/350) kA	I _{imp}	—
Nominal discharge current (8/20) kA	I _n	20
Maximum discharge current (8/20 μs) kA	I _{max}	40
Voltage protection level kV	U _p	< 4,0
Response time ns	t _A	< 25
Temperature range °C	θ	-40-80
Protection rating		IP65
Connection cross-section String		0,5-10
Connection cross-section PE		2,5-35