

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



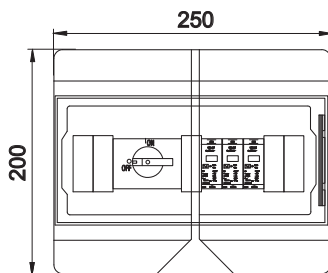
System solution for circuit breaker photovoltaic inverter with 1 MPP tracker

- Varistor arrestor, connectable with cut-off unit in error-resistant Y circuit to VDE 0100-712 (50539-12)
- Low DC protection level: < 3.0 kV ($V_{oc\ max} = 900\ V\ DC\ with\ V25-B+C/0-450PV$)
- Circuit breaker (1000 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

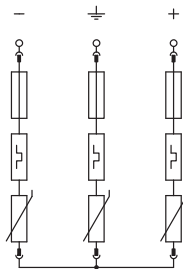
For DC protection of the inverter in photovoltaic systems.

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

Dimensions



Connection options



Type	U max DC V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
VG-BC DC-TS900	900	Type 1+2 and Benedikt LS32-SMA-A4 DC isolator	1	182,500	5088635

VG-BC DC-TS900

U max DC V	U _{c DC}	900
SPD to EN 61643-11		Type 1+2
Lightning protection zone LPZ		0→2
Impulse discharge current (10/350) kA	I _{imp}	7
Nominal discharge current (8/20) kA	I _n	30
Maximum discharge current (8/20 μs) kA	I _{max}	50
Voltage protection level kV	U _p	< 3,0
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		0,5-10