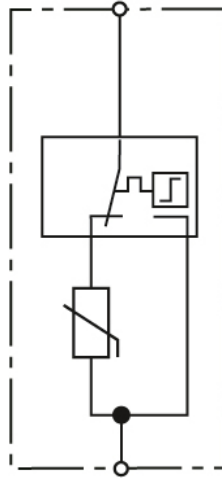


Dimension drawing DG PV ... SCP



Basic circuit diagram DG PV ... SCP



DG PV ... SCP: Single-pole surge arrester, with combined disconnection and short-circuiting device for use in photovoltaic generator circuits

- For use in all types of PV installations in accordance with IEC 60364-7-712
- High discharge capacity due to powerful zinc oxide varistor
- No fire risk at overloads due to combined disconnection and short-circuiting device
- Indication of overloads by red mark in the inspection window and remote signalling

DG PV 500 SCP	
SPD classification according to EN 61643-11	Type 2
SPD classification according to IEC 61643-1	Class II
PV voltage of earth-free PV systems (2 x DG PV ...) [U _{PV max}]	≤ 1000 V
PV voltage of functionally earthed PV systems (thin film) [U _{PV max}]	≤ 500 V
Max. continuous operating d.c. voltage [U _C]	500 V
Nominal discharge current (8/20 μs) [I _n]	20 kA
Max. discharge current (8/20 μs) [I _{max}]	30 kA
Voltage protection level for I _n [U _P]	≤ 2 kV
Voltage protection level for 5 kA [U _P]	≤ 1.7 kV
Response time [t _A]	≤ 25 ns
Permanent short-circuit withstand capability [I _k]	80 A d.c.
Reverse current withstand capability [I _{pmax}]	50 kA / 5 ms
Max. protection of main d.c. line at the inverter	315 A gR
Operating temperature range [T _U]	-40°C...+65°C
Operating state/fault indication	green / red
Cross-sectional area (min.)	1.5 mm ² solid/flexible
Cross-sectional area (max.)	35 mm ² stranded/25 mm ² flexible
For mounting on	35 mm DIN rail acc
Enclosure material	red thermoplastic, UL 94 V-0
Degree of protection	IP 20
Dimension	2 mods., DIN 4
Ordering information	
Type	DG PV 500 SCP
Part No.	950 500
Packing unit	1 pcs.

We reserve the right to modify design, technology, dimensions, weights and materials according to technical progress. Illustrations are non-binding. Pictures may differ from the modules described.