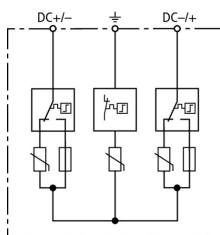


## DG YPV SCI 1000 (950 530)

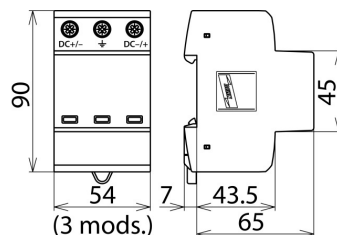
- Prewired complete unit for use in photovoltaic systems
- Combined disconnection and short-circuiting device with safe electrical isolation prevents fire damage resulting from d.c. arcs (patented SCI principle)
- Can be used without backup fuse up to  $I_{SCPV} = 1000$  A d.c.



Figure without obligation



Basic circuit diagram DG YPV SCI 1000



Dimension drawing DG YPV SCI 1000

Multipole surge arrester with three-step d.c. switching device for use in PV systems.

Type	DG YPV SCI 1000
Part No.	950 530
SPD according to EN 50539-11	type 2
Max. PV voltage ( $U_{CPV}$ )	1000 V
Short-circuit current rating ( $I_{SCPV}$ )	1000 A
Total discharge current (8/20 $\mu$ s) ( $I_{total}$ )	40 kA
Nominal discharge current (8/20 $\mu$ s) [(DC+/DC-) --> PE] ( $I_n$ )	12.5 kA
Max. discharge current (8/20 $\mu$ s) [(DC+/DC-) --> PE] ( $I_{max}$ )	25 kA
Voltage protection level ( $U_P$ )	$\leq 4$ kV
Voltage protection level at 5 kA ( $U_P$ )	$\leq 3.5$ kV
Response time ( $t_A$ )	$\leq 25$ ns
Operating temperature range ( $T_U$ )	-40 °C ... +80 °C
Operating state / fault indication	green / red
Number of ports	1
Cross-sectional area (min.)	1.5 mm <sup>2</sup> solid / flexible
Cross-sectional area (max.)	35 mm <sup>2</sup> stranded / 25 mm <sup>2</sup> flexible
For mounting on	35 mm DIN rails acc. to EN 60715
Enclosure material	thermoplastic, red, UL 94 V-0
Place of installation	indoor installation
Degree of protection	IP 20
Capacity	3 mod(s), DIN 43880
Approvals	KEMA, UL
Weight	300 g
Customs tariff number	85363030
GTIN	4013364152960
PU	1 pc(s)

We reserve the right to introduce changes in performance, configuration and technology, dimensions, weights and materials in the course of technical progress. The figures are shown without obligation.