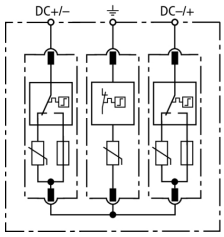
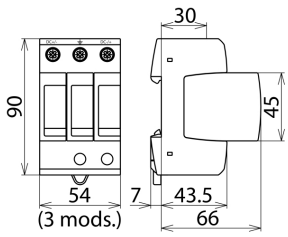
DG M YPV SCI 1000 (952 510)

- Prewired modular complete unit for use in photovoltaic systems consisting of a base part and plug-in protection modules
- Combined disconnection and short-circuiting device with safe electrical isolation in the protection module prevents fire damage caused by d.c. switching arcs (patented SCI principle)
- Safe replacement of protection modules without arc formation due to integrated d.c. fuses

Figure without obligation



Basic circuit diagram DG M YPV SCI 1000



Dimension drawing DG M YPV SCI 1000

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

Type Part No.	DG M YPV SCI 1000 952 510
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 µs) (I_{total})	40 kA
Nominal discharge current (8/20 µs) [(DC+/DC-) --> PE] (I_n)	12.5 kA
Max. discharge current (8/20 µs) [(DC+/DC-) --> PE] (I_{max})	25 kA
Voltage protection level (U_P)	≤ 4 kV
Voltage protection level at 5 kA (U_P)	≤ 3.5 kV
Response time (t_A)	≤ 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^2 solid / flexible
Cross-sectional area (max.)	35 mm^2 stranded / 25 mm^2 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 module(s), DIN 43880
Approvals	KEMA, UL, CSA
Weight	340 g
Customs tariff number	85363030
GTIN	4013364126428
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.

✔, : Tested NEW: New !: Discontinued Model