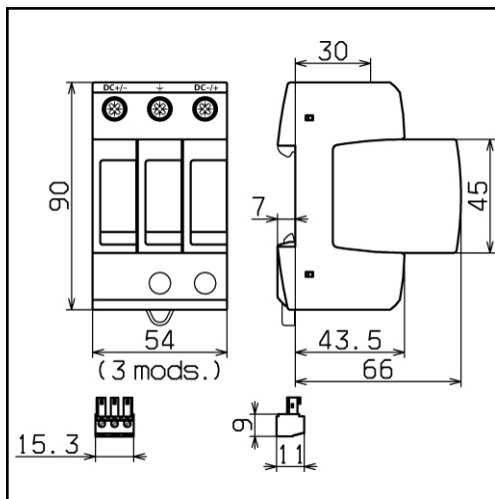
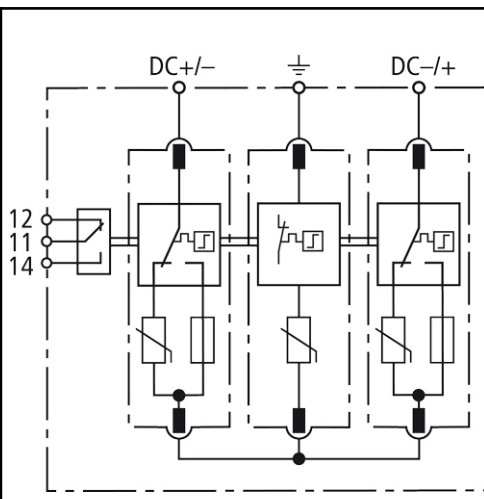


## SPDS TYPE 2

## DG M YPV SCI 1000 FM



Dimension drawing DG M YPV SCI ... FM



Basic circuit diagram DG M YPV SCI ... FM



DG M YPV SCI ... FM: Multipole, modular surge arrester with three-step d.c. switching device for use in PV systems with remote signalling contact (floating changeover contact).

**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 due to d.c. switching arcs (patented SCI principle)**

**Tried and tested fault-resistant Y circuit prevents damage to the surge protective devices in case of insulation faults in the generator circuit**

**Integrated d.c. fuse allows safe replacement of protection modules without arc formation**

**Tested according to prEN 50539-11**

**Suitable for all PV systems in accordance with IEC 60364-7-712**

## DG M YPV SCI 1000 FM

Conformity with prEN 50539-11	yes
SPD classification according to EN 61643-11	Type 2
SPD classification according to IEC 61643-1	Class II
Max. PV voltage [ $U_{CPV}$ ]	$\leq 1000$ V
Short-circuit withstand capacity [ $I_{SCWPV}$ ]	1000 A
Max. continuous operating d.c. voltage [(DC+/DC-) → PE] [ $U_C$ ]	500 V
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 [ $U_{p1}$ ]	$\leq 4$ kV
Voltage protection level at 5 kA [ $U_{p1}$ ]	$\leq 3.5$ 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 rail acc. to EN 60715
Enclosure material	thermoplastic, red, UL 94 V-0
Place of installation	indoor
Degree of protection	IP 20
Capacity	3 mod(s), DIN
Approvals, Certifications	UL
Type of remote signalling contact	changeover contact
Switching capacity a.c.	250 V/0.1 A

Switching capacity d.c.	250 V/0.1 A; 125 V/0.2 A; 75 V/0.5 A
Cross-sectional area for remote signalling terminals	max. 1.5 mm <sup>2</sup> solid/flexible
	1 pcs.
Ordering information	
Type	DG M YPV SCI 1000 FM
Part No.	<b>952 515</b>
Packing unit	1 pc

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.