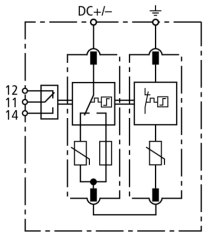
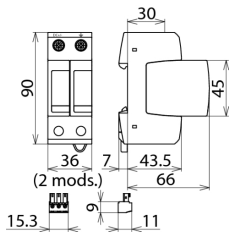
DG S PV SCI 150 FM (952 556)

- 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 S PV SCI 150 FM



Dimension drawing DG S PV SCI 150 FM

Modular single-pole surge arrester with three-step d.c. switching device for PV systems; with remote signalling contact for a monitoring device (floating changeover contact)

Type Part No.	DG S PV SCI 150 FM 952 556
Conformity with prEN 50539-11	yes
SPD classification according to EN 61643-11	Type 2
SPD classification according to IEC 61643-1/-11	Class II
Max. PV voltage (U_{CPV})	≤ 150 V
Short-circuit withstand capacity (I_{SCWPV})	1000 A
Nominal discharge current (8/20 µs) [(DC+/DC-) --> PE] (I_n)	10 kA
Max. discharge current (8/20 µs) [(DC+/DC-) --> PE] (I_{max})	20 kA
Voltage protection level (U_P)	≤ 0.8 kV
Voltage protection level at 5 kA (U_P)	≤ 0.6 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 mm² solid/flexible
Cross-sectional area (max.)	35 mm² stranded/25 mm² 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	2 module(s), DIN 43880
Approvals	UL, CSA
Type of remote signalling contact	changeover contact
a.c. switching capacity	250 V/0.5 A
d.c. switching capacity	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 mm² solid/flexible
Weight	187 g
Customs tariff number	85363030
GTIN	4013364136694
PU	1 pc(s)