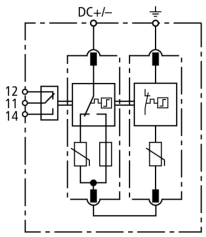
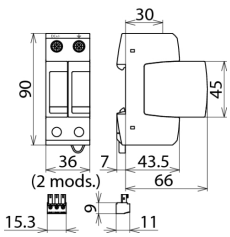
DG S PV SCI 600 FM (952 555)

- 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 (patented SCI principle)
- Tried and tested fault-resistant Y circuit

Figure without obligation



Basic circuit diagram DG S PV SCI 600 FM



Dimension drawing DG S PV SCI 600 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 600 FM 952 555
SPD according to EN 50539-11	type 2
Energy coordination with terminal equipment (≤ 10 m)	type 2 + type 3
Max. PV voltage (U_{CPV})	600 V
Short-circuit current rating (I_{SCPV})	10 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)	≤ 2.5 kV
Voltage protection level at 5 kA (U_P)	≤ 2 kV
Response time (t_A)	≤ 25 ns
Operating temperature range (T_U)	-40 °C ... +80 °C
Operating state / fault indication	gren / 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	2 module(s), DIN 43880
Approvals	KEMA, UL, CSA
Type of remote signalling contact	changeover contact
Switching capacity (a.c.)	250 V / 0.5 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^2 solid / flexible
Weight	203 g
Customs tariff number (Comb. Nomenclature EU)	85363030
GTIN	4013364136519
PU	1 pc(s)