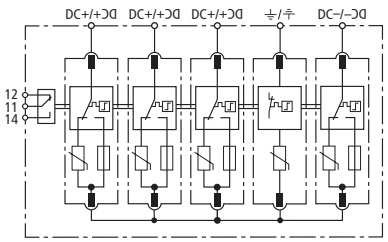
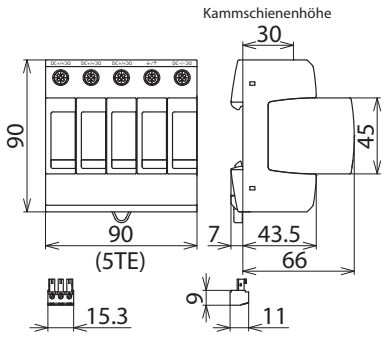
DG M PV2 SCI SN1868 FM (999 799)

- Prewired modular complete unit for use in photovoltaic systems consisting of a base part and plug-in protection modules for protecting of three MPP-systems (with common DC-)
- Combined disconnection and short-circuiting device with safe electrical isolation in the protection module (patented SCI principle)
- Tried and tested fault-resistant Y circuit





Basic circuit diagram



Dimension drawing

Modular multipole surge arrester with three-step d.c. switching device for protecting 3 MPP inputs; for use in PV systems with remote signalling contact (floating changeover contact).

Type	**DG M PV2 SCI SN1868 FM**
Part No.	**999 799**
SPD according to EN 61643-31 / IEC 61643-31	type 2 / class II
Max. PV voltage (U_{CPV})	1000 V
Short-circuit withstand capability (I_{SCPV})	10 kA
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 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	5 Standard DIN module, DIN 43880
Approvals	UL, KEMA
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 mm² solid / flexible

Masterdata	
Net weight	508.7 g/pc(s)
GTIN	4013364328723
PU	1 pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363030

We reserve the right to make changes to the design and technology, dimensions, weights and materials in the interests of technical progress. The illustrations are not binding.

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: Tested • NEU: New • !: Discontinued Model
: Cross connector • : Longitudinal connector • : Parallel connector • : T connector • : Clamp for parallel connector • : Clamp for T connector
: Pipe clamp for parallel connector • : Pipe clamp for T connector • : Equipotential bonding bar • : Bridging component