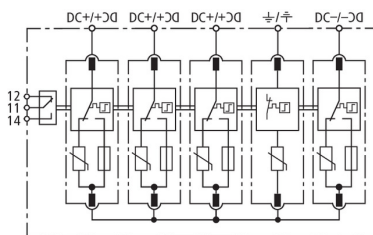


## DG M PV2 SCI SN1868 FM (999 799)

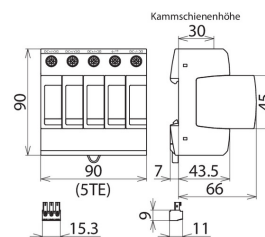
- Prewired modular complete unit for use in photovoltaic systems consisting of a base part and plug-in protection modules for protecting of three MPP-systems (with common DC-)
- Combined disconnection and short-circuiting device with safe electrical isolation in the protection module (patented SCI principle)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



Figure without obligation



Basic circuit diagram DG M PV2 SCI SN1868



Dimension drawing DG M PV2 SCI SN1868

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 50539-11   | type 2  |
| Energy coordination with terminal equipment ( $\leq 10$ m)             | type 2 + type 3   |
| Max. PV voltage ( $U_{CPV}$ )  | 1000 V  |
| Short-circuit current rating ( $I_{SCPV}$ )                            | 10 kA   |
| 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 ( $U_P$ )                                     | $\leq 4$ kV   |
| Voltage protection level at 5 kA ( $U_P$ )                             | $\leq 3.5$ 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 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 module(s), 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 mm <sup>2</sup> solid / flexible                 |
| Weight   | 509 g   |
| Customs tariff number (Comb. Nomenclature EU)                          | 85363030  |
| GTIN   | 4013364328723   |
| 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.