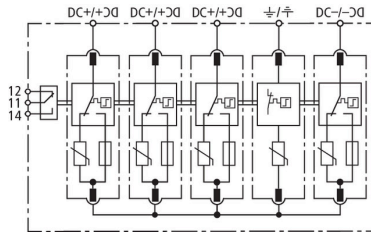


DG M PV2 SCI SN1868 FM (999 799)

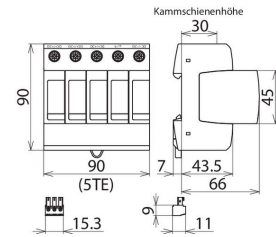
- Prewired modular complete unit for use in photovoltaic systems consisting of a base part and plug-in protection modules for protecting of three MPP-systems (with common DC-)
- Combined disconnection and short-circuiting device with safe electrical isolation in the protection module (patented SCI principle)
- 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 61643-31 / IEC 61643-31 | type 2 / class II |
| Max. PV voltage (U_{CPV}) | 1000 V |
| Short-circuit current rating (I_{SCPV}) | 10 kA |
| Total discharge current (8/20 μ s) (I_{total}) | 40 kA |
| Nominal discharge current (8/20 μ s) [(DC+/DC-) --> PE] (I_n) | 12.5 kA |
| Max. discharge current (8/20 μ s) [(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 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 | 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 ² 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.