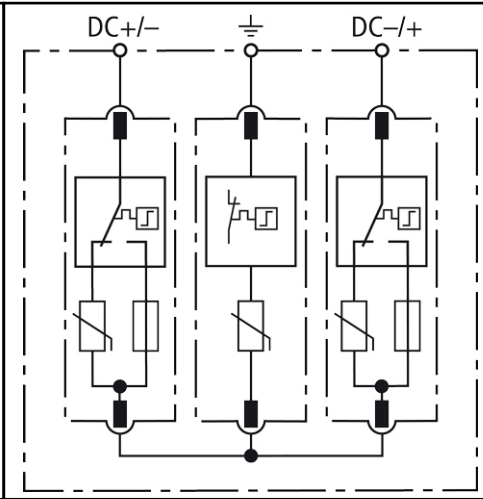


Dimension drawing DG M YPV SCI ...



Basic circuit diagram DG M YPV SCI ...



DG M YPV SCI ...: Multipole, modular surge arrester with three-step d.c. switching device for use in PV systems.

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 due to d.c. arcs

Tried and tested fault-resistant Y circuit prevents damage to the surge protective devices in case of insulation faults in the generator circuit

Safe replacement of protection modules without arc formation due to integrated d.c. fuse

Suitable for all PV systems in accordance with IEC 60364-7-712

| DG M YPV SCI 1200 | |
|---|---|
| SPD according to EN 61643-11 | Type 2 |
| SPD according to IEC 61643-1 | Class II |
| Max. PV voltage [U _{CPV}] | ≤ 1200 V |
| Max. continuous operating d.c. voltage [(DC+/DC-) → PE] [U _C] | 600 V |
| Total discharge current (8/20 μs) [I _{total}] | 30 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 _{p1}] | ≤ 4.5 kV |
| Voltage protection level at 5 kA [U _{p1}] | ≤ 4 kV |
| Response time [t _{A1}] | ≤ 25 ns |
| Operating temperature range [T _{U1}] | -40°C...+80°C |
| Breaking capacity of the integrated fuse | 30 kA / 1200 V d.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 rail acc. to EN 60715 |
| Enclosure material | thermoplastic, red, UL 94 V-0 |
| Location category | indoor |
| Degree of protection | IP 20 |
| Capacity | 3 mod(s), DIN 43880 |
| | 1 pcs. |
| Ordering information | |
| Type | DG M YPV SCI 1200 |
| Part No. | 952 512 |
| Packing unit | 1 pce |

We reserve the right to modify design, technology, dimensions, weights and materials according to technical progress. Illustrations are non-binding. Pictures may differ from the modules described.