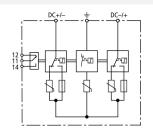
## Product Data Sheet: DEHNguard® YPV SCI ... - compact



## **DG YPV SCI 1000 FM (950 535)**

- Prewired complete unit for use in photovoltaic systems
- Combined disconnection and short-circuiting device with safe electrical isolation (patented SCI principle)
- Tried and tested fault-resistant Y circuit





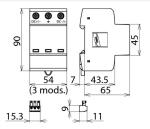


Figure without obligation

Basic circuit diagram DG YPV SCI 1000 FM

Dimension drawing DG YPV SCI 1000 FM

Multipole surge arrester with three-step d.c. switching device for use in PV systems, with remote signalling contact for monitoring device (floating changeover contact).

| Гуре  | DG YPV SCI 1000 FM  |
|---|---|
| Part No.  | 950 535   |
| SPD according to EN 50539-11  | type 2  |
| Energy coordination with terminal equipment (≤ 10 m)                  | type 2 + type 3   |
| Max. PV voltage (U <sub>CPV</sub> )                                   | 1000 V  |
| Short-circuit current rating (I <sub>SCPV</sub> )                     | 1000 A  |
| Total discharge current (8/20 μs) (I <sub>total</sub> )               | 40 kA   |
| Nominal discharge current (8/20 μs) [(DC+/DC-)> PE] (I <sub>n</sub> ) | 12.5 kA   |
| Max. discharge current (8/20 μs) [(DC+/DC-)> PE] (I <sub>max</sub> )  | 25 kA   |
| /oltage protection level (U <sub>P</sub> )                            | ≤ 4 kV  |
| /oltage protection level at 5 kA (U <sub>P</sub> )                    | ≤ 3.5 kV  |
| Response time (t <sub>A</sub> )                                       | ≤ 25 ns   |
| Operating temperature range (T <sub>U</sub> )                         | -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  | 3 mod(s)., DIN 43880                                      |
| Approvals   | KEMA, UL  |
| Гуре 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                 |
| Veight  | 310 g   |
| Customs tariff number (Comb. Nomenclature EU)                         | 85363030  |
| GTIN  | 4013364154988   |
| 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.