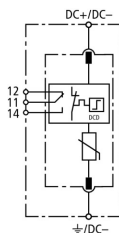


DG SE DC 242 FM (972 125)

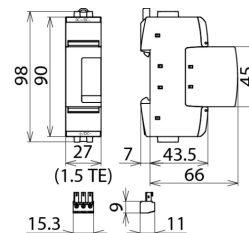
- Universal single-pole surge arrester consisting of a base part and a plug-in protection module
- Powerful d.c. switching device DCD
- Can be used without additional backup fuse



Figure without obligation



Basic circuit diagram DG SE DC 242 FM



Dimension drawing DG SE DC 242 FM

Modular single-pole surge arrester for d.c. applications; with floating remote signalling contact.

| Type | DG SE DC 242 FM |
|---|---|
| Part No. | 972 125 |
| SPD according to EN 61643-11 / IEC 61643-11 | type 2 / class II |
| Energy coordination with terminal equipment (≤ 10 m) | type 2 + type 3 |
| Nominal voltage (d.c.) (U_N) | 220 V |
| Max. continuous operating voltage (d.c.) (U_C) | 242 V |
| Nominal discharge current (8/20 μ s) (I_n) | 12.5 kA |
| Voltage protection level (U_P) | ≤ 1.25 kV |
| Response time (t_A) | ≤ 25 ns |
| Short-circuit withstand capability without backup fuse (d.c.) (I_{SCCR}) | 300 A |
| Short-circuit withstand capability for max. mains-side overcurrent protection (d.c.) (I_{SCCR}) | 25 kA |
| Max. mains-side overcurrent protection | 35 A gG |
| Temporary overvoltage (TOV) d.c. (U_T) - Characteristic | 320 V / 5 sec. – withstand |
| Temporary overvoltage (TOV) d.c., $2x U_C$ (U_T) - Characteristic | 484 V / 120 min. – safe failure |
| 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 | IP20 |
| Capacity | 1.5 module(s), DIN 43880 |
| 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 |
| Extended technical data: | use for safety lighting systems |
| – d.c. and a.c. operation | yes |
| – Max. continuous operating voltage (a.c.) (U_C) | 255 V |
| – Max. backup fuse | 10 A gG |
| Weight | 152 g |
| Customs tariff number (Comb. Nomenclature EU) | 85363030 |
| GTIN | 4013364158610 |
| 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.