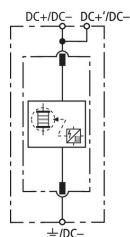


DSE M 1 242 (971 122)

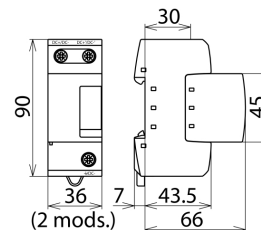
- Coordinated spark-gap-based lightning current arrester consisting of a base part and a plug-in protection module
- Spark gap technology particularly suited for use in d.c. circuits
- Coordinated with DEHNguard SE DC 242 (FM) surge protective devices



Figure without obligation



Basic circuit diagram DSE M 1 242



Dimension drawing DSE M 1 242

Coordinated and modular single-pole lightning current arrester for d.c. applications.

| Type | DSE M 1 242 |
|---|---|
| Part No. | 971 122 |
| SPD classification according to EN 61643-11 / IEC 61643-11 | type 1 / class I |
| Max. continuous operating voltage (d.c.) (U_c) | 242 V |
| Lightning impulse current (10/350 μ s) (I_{imp}) | 25 kA |
| Specific energy (W/R) | 156.25 kJ/ohms |
| Voltage protection level (U_p) | ≤ 2.5 kV |
| Directly coordinated with DEHNguard | DG S 385 (Part No. 952 074) |
| Response time (t_A) | ≤ 100 ns |
| Short-circuit withstand capability for max. mains-side overcurrent protection d.c. (I_{SCCR}) | 25 kA |
| Max. mains-side overcurrent protection | 250 A gL |
| Max. backup fuse (DC+/DC- \rightarrow DC+/DC-) | 125 A gL |
| Operating temperature range (parallel connection) (T_{UP}) | -40 °C ... +80 °C |
| Operating temperature range (series connection) (T_{US}) | -40 °C ... +60 °C |
| Operating state / fault indication | green / red |
| Number of ports | 1 |
| Cross-sectional area (DC+/DC-, DC+/DC-, \neq /DC-) (min.) | 10 mm ² solid / flexible |
| Cross-sectional area (DC+/DC-, \neq /DC-) (max.) | 50 mm ² stranded / 35 mm ² flexible |
| Cross-sectional area (DC+/DC-) (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 | 2 module(s), DIN 43880 |
| Extended technical data: | when used in 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 | 258 g |
| Customs tariff number (Comb. Nomenclature EU) | 85363090 |
| GTIN | 4013364144477 |
| 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.