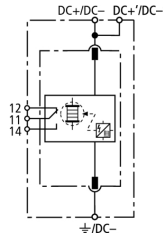


DSE M 1 242 FM (971 127)

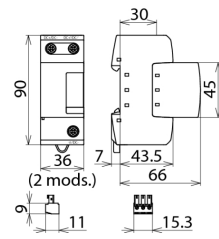
- Coordinated spark-gap-based lightning current arrester consisting of a base part and a plug-in protection module
- Spark gap technology particularly suited for use in DC circuits
- Coordinated with DEHNguard SE DC 500 (FM) surge protective devices



Figure without obligation



Basic circuit diagram DSE M 1 242 FM



Dimension drawing DSE M 1 242 FM

Coordinated and modular single-pole lightning current arrester for d.c. applications; with remote signalling contact for monitoring device (floating changeover contact).

Type	DSE M 1 242 FM
Part No.	971 127
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
Coordinated with DEHNguard (cable length ≥ 1 m)	DG SE DC 500 FM (Part No. 972 135)
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 gG
Max. backup fuse (DC+/DC- -> DC+*/DC-*)	125 A gG
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-*, \pm /DC-) (min.)	10 mm ² solid / flexible
Cross-sectional area (DC+/DC-, \pm /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
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:	when used in safety lighting systems
- DC and AC operation possible	yes
- Max. continuous operating voltage (AC) (U_c)	255 V
Weight	254 g
Customs tariff number (Comb. Nomenclature EU)	85363090
GTIN	4013364144484
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.