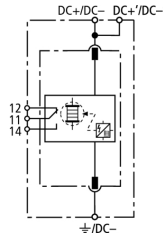


## DSE M 1 242 FM (971 127)

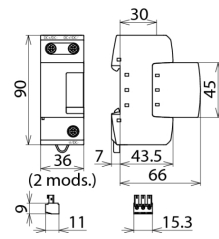
- Coordinated spark-gap-based lightning current arrester consisting of a base part and a plug-in protection module
- Spark gap technology particularly suited for use in DC circuits
- Coordinated with DEHNguard SE DC 500 (FM) surge protective devices



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 $\mu$ s) ( $I_{imp}$ )	25 kA
Specific energy (W/R)	156.25 kJ/ohms
Voltage protection level ( $U_p$ )	$\leq 2.5$ kV
Coordinated with DEHNguard (cable length $\geq 1$ m)	DG SE DC 500 FM (Part No. 972 135)
Response time ( $t_A$ )	$\leq 100$ 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- $\rightarrow$ DC+1/DC-1)	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+1/DC-1, $\pm$ /DC-) (min.)	10 mm <sup>2</sup> solid / flexible
Cross-sectional area (DC+/DC-, $\pm$ /DC-) (max.)	50 mm <sup>2</sup> stranded / 35 mm <sup>2</sup> flexible
Cross-sectional area (DC+1/DC-1) (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	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 <sup>2</sup> 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
<b>Weight</b>	<b>254 g</b>
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.