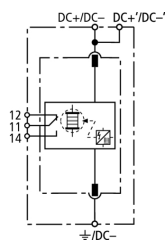


## DSE M 1 60 FM (971 126)

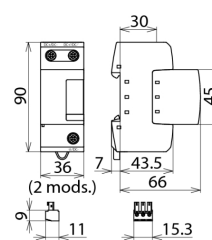
- Coordinated spark-gap-based lightning current arrester consisting of a base part and a plug-in protection module
- Spark gap technology particularly suited for use in d.c. circuits
- Directly coordinated with DEHNguard SE DC 60 (FM) surge protective devices



Figure without obligation



Basic circuit diagram DSE M 1 60 FM



Dimension drawing DSE M 1 60 FM

Coordinated and modular single-pole lightning current arrester for d.c. applications from 12 to 60 volts; with remote signalling contact for monitoring device (floating changeover contact).

Type	DSE M 1 60 FM
Part No.	971 126
SPD classification according to EN 61643-11 / IEC 61643-11	type 1 / class I
Max. continuous operating voltage (d.c.) ( $U_c$ )	60 V
Lightning impulse current (10/350 $\mu$ s) ( $I_{imp}$ )	25 kA
Specific energy (W/R)	156.25 kJ/ohms
Nominal discharge current (8/20 $\mu$ s) ( $I_n$ )	25 kA
Voltage protection level ( $U_p$ )	$\leq 1.5$ kV
Directly coordinated with DEHNguard	DG SE DC 60 FM (Part No. 972 115)
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
Approvals	UL
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	no
Weight	288 g
Customs tariff number (Comb. Nomenclature EU)	85363090
GTIN	4013364138599
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.