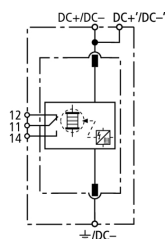


DSE M 1 242 FM (971 127)

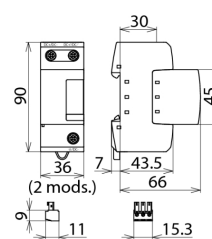
- Coordinated spark-gap-based lightning current arrester consisting of a base part and plug-in protection module
- Spark gap technology particularly suited for use in d.c. circuits
- Directly coordinated with DEHNguard surge protective device without additional cable length



Figure without obligation



Basic circuit diagram DSE M 1 242 FM



Dimension drawing DSE M 1 242 FM

Coordinated 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	Type 1
SPD classification according to IEC 61643-1/-11	Class I
Max. continuous operating d.c. voltage (U_C)	242 V
Max. continuous operating a.c. voltage (U_C)	253 V
Lightning impulse current (10/350 μ s) (I_{imp})	25 kA
Specific energy (W/R)	156.25 kJ/ohms
Nominal discharge current (8/20 μ s) (I_n)	25 kA
Voltage protection level (U_P)	≤ 2.5 kV
Response time (t_A)	≤ 100 ns
Short-circuit withstand capability for max. mains-side overcurrent protection d.c.	2000 A
Max. mains-side overcurrent protection	250 A gL/gG
Max. backup fuse (DC+/DC- \rightarrow DC+/'DC-')	125 A gL/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
a.c. switching capacity	250 V/0.5 A
d.c. switching capacity	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 for safety lighting systems (d.c. and a.c. operation possible)	yes
- Max. continuous operating a.c. voltage (U_C)	253 V
- Max. backup fuse	10 A gL/gG
Weight	254 g
Customs tariff number	85363030
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.