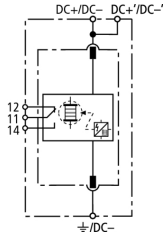
DSE M 1 60 FM (971 126)

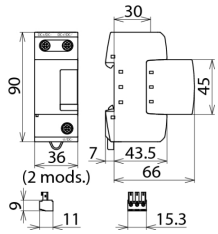
- Coordinated spark-gap-based lightning current arrester consisting of a base part and a plug-in protection module
- Spark gap technology particularly suited for use in d.c. circuits
- Directly coordinated with DEHNguard SE DC 60 (FM) surge protective devices



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 Part No.	DSE M 1 60 FM 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 µs) (I_{imp})	25 kA
Specific energy (W/R)	156.25 kJ/ohms
Nominal discharge current (8/20 µs) (I_n)	25 kA
Voltage protection level (U_P)	≤ 1.5 kV
Directly coordinated with DEHNguard	DG S 150 FM (Part No. 952 092)
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- -> 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-', ⏚/DC-) (min.)	10 mm^2 solid / flexible
Cross-sectional area (DC+/DC-, ⏚/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
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^2 solid / flexible
Extended technical data:	when used in safety lighting systems
– d.c. and a.c. operation	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.