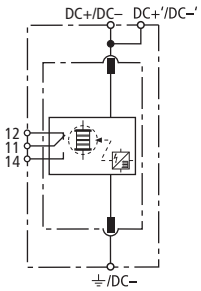
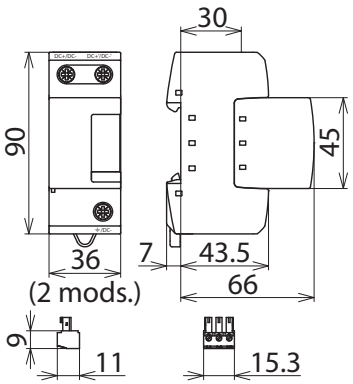
DSE M 1 60 FM (971 126)

- 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





Basic circuit diagram



Dimension drawing

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 as per EN 61643-11 / ... IEC 61643-11	type 1 / class I
Max. continuous operating voltage DC (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 SE DC 60 FM (Part No. 972 115)
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 (through-wiring) (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 mm² solid / flexible
Cross-sectional area (DC+/DC-, /DC-) (max.)	50 mm² stranded / 35 mm² flexible
Cross-sectional area (DC+'/DC-') (max.)	35 mm² stranded / 25 mm² 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 Standard DIN module, 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 mm² solid / flexible
Extended technical data	
DC and AC operation possible	no

Masterdata	
Net weight	288 g/pc(s)
GTIN	4013364138599
PU	1 pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363090

We reserve the right to make changes to the design and technology, dimensions, weights and materials in the interests of technical progress. The illustrations are not binding.