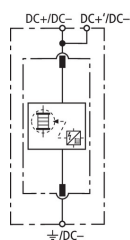


## DSE M 1 220 (971 120)

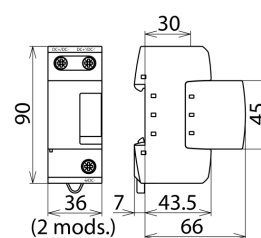
- Coordinated spark-gap-based lightning current arrester consisting of a base part and a plug-in protection module
- Spark gap technology particularly suited for use in d.c. circuits
- Directly coordinated with DEHNguard SE DC 242 (FM) surge protective devices



Figure without obligation



Basic circuit diagram DSE M 1 220



Dimension drawing DSE M 1 220

Coordinated and modular single-pole lightning current arrester for d.c. applications.

Type Part No.	DSE M 1 220 971 120
SPD classification according to EN 61643-11 / IEC 61643-11	type 1 / class I
Max. continuous operating voltage (d.c.) ( $U_c$ )	220 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
Directly coordinated with DEHNguard	DG S 385 (Part No. 952 074)
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 gL
Max. backup fuse (DC+/DC- $\rightarrow$ 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-', $\pm$ /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+'/DC-) (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
Extended technical data:	when used in safety lighting systems
- d.c. and a.c. operation	no
Weight	252 g
Customs tariff number (Comb. Nomenclature EU)	85363090
GTIN	4013364133631
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.