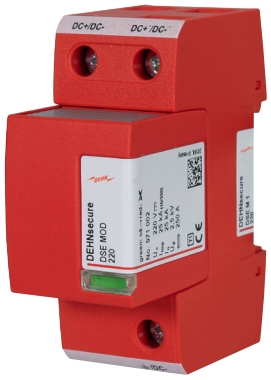
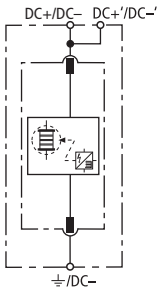
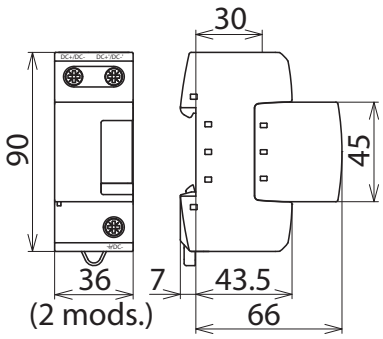
DSE M 1 220 (971 120)

- 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 DC circuits
- Coordinated with DEHNguard SE DC 242 surge protective devices





Basic circuit diagram



Dimension drawing

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

Type	DSE M 1 220
Part No.	**971 120**
SPD classification as per EN 61643-11 / ... IEC 61643-11	type 1 / class I
Max. continuous operating voltage DC (U_C)	220 V
Lightning impulse current (10/350 µs) (I_{imp})	25 kA
Specific energy (W/R)	156.25 kJ/ohms
Voltage protection level (U_p)	≤ 2.5 kV
Coordinated with DEHNguard (cable length ≥ 1 m)	DG SE DC 242 (Part No. 972 120)
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
Extended technical data	
DC and AC operation possible	no

Masterdata	
Net weight	252.2 g/pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363090
GTIN	4013364133631
PU	1 pc(s)

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.