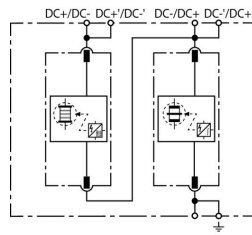


**DSE M 2P 60 (971 221)**

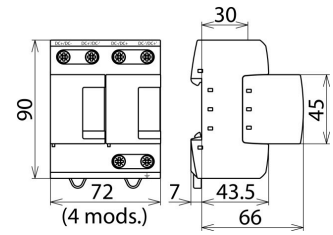
- Coordinated spark-gap-based lightning current arrester consisting of a base part and a plug-in protection module
- Spark gap technology particularly suited for use in d.c. circuits
- Directly coordinated with DEHNguard SE DC 60 (FM) surge protective devices



Figure without obligation



Basic circuit diagram DSE M 2P 60



Dimension drawing DSE M 2P 60

Coordinated and modular two-pole lightning current arrester for d.c. applications from 12 to 60 volts (1+1 configuration); FM version with floating remote signalling contact.

Type	DSE M 2P 60
Part No.	971 221
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 $\mu$ s) (DC+/DC- -> DC-/DC+) / (DC-/DC+ -> $\pm$ ) ( $I_{imp}$ )	25 / 50 kA
Specific energy (DC+/DC- -> DC-/DC+) / (DC-/DC+ -> $\pm$ ) (W/R)	156.25 / 625.00 kJ/ohms
Directly coordinated with DEHNguard	DG SE DC 60 (Part No. 972 110)
Voltage protection level (DC+/DC- -> DC-/DC+) / (DC-/DC+ -> $\pm$ ) ( $U_p$ )	$\leq 1.5$ / $\leq 1.5$ kV
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 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 (series connection) ( $T_{US}$ )	-40 °C ... +60 °C
Operating state / fault indication	green / red
Number of ports	1
Cross-sectional area (min.)	10 mm <sup>2</sup> solid / flexible
Cross-sectional area (DC+/DC-, DC-/DC+, $\pm$ ) (max.)	50 mm <sup>2</sup> stranded / 35 mm <sup>2</sup> flexible
Cross-sectional area (DC+ /DC-, 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	4 module(s), DIN 43880
Approvals	UL
Weight	608 g
Customs tariff number (Comb. Nomenclature EU)	85363090
GTIN	4013364138612
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.