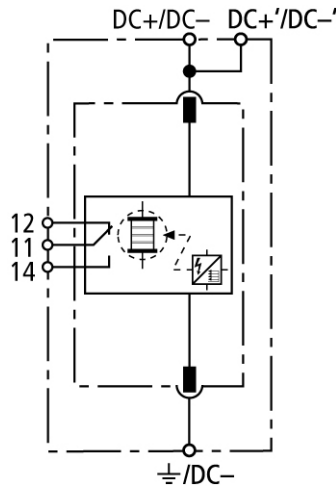


Dimension drawing DSE M 1 ... FM



Basic circuit diagram DSE M 1 ... FM



Consisting of a base part and plug-in protection modules

Spark gap technology particularly suited for use in d.c. circuits

Directly coordinated with DEHNguard surge protective devices without additional cable lengths

Double terminals for series connection

Multifunctional terminal for connecting conductors and busbars

Operating state/fault indication by indicator flag in the inspection window

Easy replacement of protection modules without tools due to module locking system with module release button

With remote signalling contact for monitoring device (floating changeover contact)

DSE M 1 ... FM: Single-pole, coordinated lightning current arrester for d.c. applications; with remote signalling contact for monitoring device (floating changeover contact)

DSE M 1 220 FM	
SPD according to EN 61643-11	Type 1
SPD according to IEC 61643-1	Class I
Max. continuous d.c. voltage [U <sub>C1</sub> ]	220 V
Lightning impulse current (10/350 μs) [I <sub>imp</sub> ]	25 kA
Specific energy [W/R]	156.25 kJ/ohms
Nominal discharge current (8/20 μs) [I <sub>n</sub> ]	25 kA
Voltage protection level [U <sub>p1</sub> ]	2.5 kV
Response time [t <sub>A1</sub> ]	≤ 100 ns
Short-circuit strength for max. mains-side overcurrent protection d.c.	2000 A
Max. mains-side overcurrent protection	250 A gL/gG
Max. backup fuse (DC+/DC- - DC+'/DC-')	125 A gL/gG
Operating temperature range (parallel connection) [T <sub>UP1</sub> ]	-40°C...+80°C
Operating temperature range (series connection) [T <sub>US1</sub> ]	-40°C...+60°C
Operating state/fault indication	green / red
Number of ports	1
Min. cross-sectional area (DC+/DC-, DC+'/DC-', ≐/DC-)	10 mm <sup>2</sup> solid/flexible
Max. cross-sectional area (DC+/DC-, ≐/DC-)	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 rail acc. to EN 60715
Enclosure material	thermoplastic, red, UL 94 V-0
Place of installation	indoor
Degree of protection	IP 20
Capacity	2 mod., DIN 43

<b>Type of remote signalling contact</b>	changeover contact
<b>Switching capacity a.c.</b>	250 V/0.5 A
<b>Switching capacity d.c.</b>	250 V/0.1 A; 125 V/0.2 A; 75 V/0.5 A
<b>Cross-sectional area for remote signalling terminals</b>	max. 1.5 mm <sup>2</sup> solid/flexible
<b>Ordering information</b>	
<b>Type</b>	DSE M 1 220 FM
<b>Part No.</b>	<b>971 125</b>
<b>Packing unit</b>	1 pc

We reserve the right to modify design, technology, dimensions, weights and materials according to technical progress. Illustrations are non-binding. Pictures may differ from the modules described.