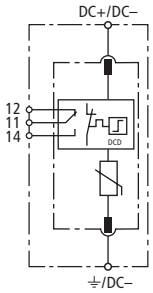
DEHNguard ME/SE DC … (FM)

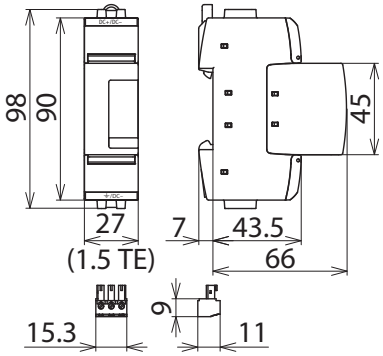
DG SE DC 242 FM (972125)

- Universal single-pole surge arrester consisting of a base part and a plug-in protection module
- Powerful d.c. switching device DCD
- Can be used without additional backup fuse





Basic circuit diagram



Dimension drawing

Modular single-pole surge arrester for d.c. applications; with floating remote signalling contact.

Type	DG SE DC 242 FM
Part No.	**972125**
SPD as per IEC 61643-41 / EN IEC 61643-41	Type 2
Energy coordination with terminal equipment (≤ 10 m)	type 2 + type 3
Nominal voltage (d.c.) (U_N)	220 V
Max. continuous operating voltage DC (U_C)	242 V
Nominal discharge current (8/20 µs) (I_n)	12.5 kA
Voltage protection level (U_P)	≤ 1.25 kV
Response time (t_A)	≤ 25 ns
Short-circuit withstand capability for max. mains-side overcurrent protection (d.c.) (I_{SCCR})	5 kA
Max. mains-side overcurrent protection	63 A gG
Operating temperature range (T_U)	-40 °C … +80 °C
Condition at the end of life time of the SPD A	Open Circuit Mode (OCM)
Overvoltage category (OVC) main circuit	III
Insulation between main and remote circuit	Double insulation
Operating state / fault indication	green / red
Number of ports	1
Cross-sectional area (min.)	1.5 mm² solid / fine-stranded / 6 mm² stranded
Cross-sectional area (max.)	16 mm² solid / 35 mm² stranded / 25 mm² fine-stranded
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	IP20
Capacity	1.5 Standard DIN module, DIN 43880
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

Masterdata	
Net weight	1 pc(s)/st
Customs tariff number (Comb. Nomenclature EU)	85363030
GTIN	4013364158610
PU	1 st

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.