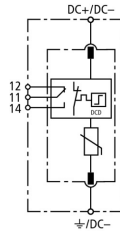


DG SE DC 242 FM (972 125)

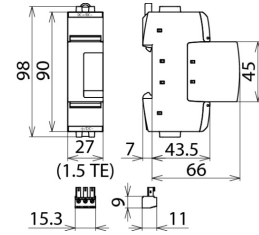
- Universal single-pole surge arrester consisting of a base part and a plug-in protection module
- Powerful d.c. switching device DCD
- Can be used without additional backup fuse



Figure without obligation



Basic circuit diagram DG SE DC 242 FM



Dimension drawing DG SE DC 242 FM

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

Type Part No.	DG SE DC 242 FM 972 125
SPD according to EN 61643-11 / IEC 61643-11	type 2 / class II
Energy coordination with terminal equipment (≤ 10 m)	type 2 + type 3
Nominal voltage (d.c.) (U _N)	220 V
Max. continuous operating voltage (d.c.) (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 without backup fuse (d.c.) (I _{SCCR})	300 A
Short-circuit withstand capability for max. mains-side overcurrent protection (d.c.) (I _{SCCR})	25 kA
Max. mains-side overcurrent protection	35 A gG
Temporary overvoltage (TOV) DC (U _T) – characteristic	320 V / 5 sec. – withstand
Temporary overvoltage (TOV) DC, 2x U _C (U _T) – characteristic	484 V / 120 min. – safe failure
Operating temperature range (T _U)	-40 °C ... +80 °C
Operating state / fault indication	green / red
Number of ports	1
Cross-sectional area (min.)	1.5 mm ² solid / flexible
Cross-sectional area (max.)	35 mm ² stranded / 25 mm ² 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	IP20
Capacity	1.5 module(s), 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 mm ² solid / flexible
Extended technical data:	use for safety lighting systems
– d.c. and a.c. operation	yes
– Max. continuous operating voltage (a.c.) (U _C)	255 V
Weight	152 g
Customs tariff number (Comb. Nomenclature EU)	85363030
GTIN	4013364158610
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.