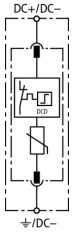
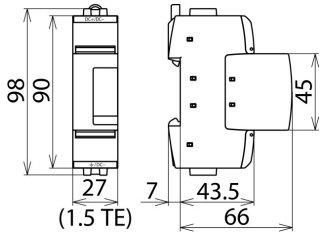
DG SE DC 242 (972 120)

- 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



Dimension drawing DG SE DC 242

Modular single-pole surge arrester for d.c. applications.

Type Part No.	DG SE DC 242 972 120
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) d.c. (U_T) - Characteristic	320 V / 5 sec. – withstand
Temporary overvoltage (TOV) d.c., 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 DINs 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
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	148 g
Customs tariff number	85363030
GTIN	4013364158528
PU	1 Stk