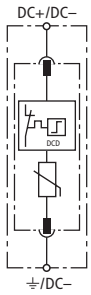
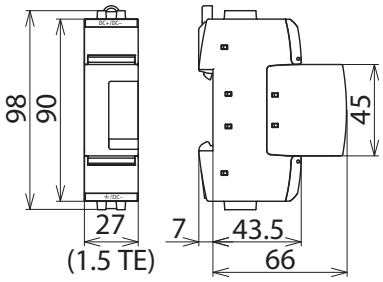
DG SE DC 242 (972 120)

- 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





Basic circuit diagram



Dimension drawing

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

Type	DG SE DC 242
Part No.	**972 120**
SPD classification as per 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 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 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 mm² solid / flexible
Cross-sectional area (max.)	35 mm² stranded / 25 mm² 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 Standard DIN module, DIN 43880
Extended technical data	
DC and AC operation possible	yes
Max. continuous voltage (a.c.) (U_C)	255 V

Masterdata	
Net weight	148 g/pc(s)
GTIN	4013364158528
PU	1 pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363030

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.

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: Tested • NEU: New • !: Discontinued Model
: Cross connector • : Longitudinal connector • : Parallel connector • : T connector • : Clamp for parallel connector • : Clamp for T connector
: Pipe clamp for parallel connector • : Pipe clamp for T connector • : Equipotential bonding bar • : Bridging component