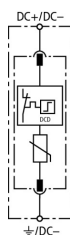


DG SE DC 242 (972 120)

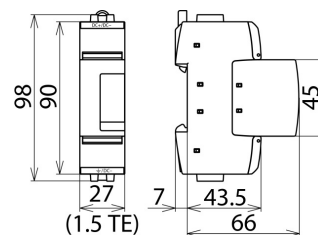
- Universal single-pole surge arrester consisting of a base part and plug-in protection module
- Powerful d.c. switching device DCD
- Can be used without additional backup fuse



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	DG SE DC 242
Part No.	972 120
SPD classification according to EN 61643-11 / IEC 61643-11	type 2 / class II
Nominal d.c. voltage (U_N)	220 V
Max. continuous operating d.c. voltage (U_C)	242 V
Nominal discharge current (8/20 μ s) (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})	2000 A
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., $2 \times U_C$ (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 a.c. voltage (U_C)	253 V
– Max. backup fuse	10 A gL/gG
Weight	148 g
Customs tariff number	85363030
GTIN	4013364158528
PU	1 pc(s)



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



UK Office

Keison Products,

P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.

Tel: +44 (0)330 088 0560

Fax: +44 (0)1245 808399

Email: sales@keison.co.uk

Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.