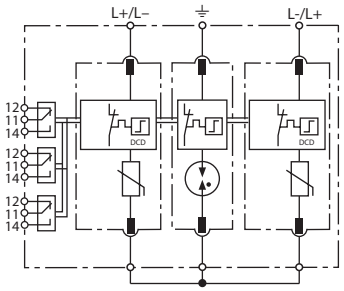
DEHNguard ME/SE DC … (FM)

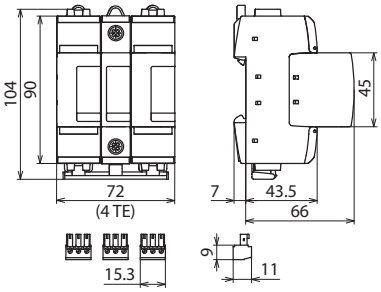
DG ME DC Y 1000 FM (972147)

- Powerful d.c. switching device DCD





Basic circuit diagram



Dimension drawing

Modular combined lightning current and surge arrester for d.c. applications; with floating remote signalling contact.

NEW

Type	DG ME DC Y 1000 FM
Part No.	**972147**
SPD classification as per IEC 61643-41	Type 1 + type 2
Nominal voltage DC [L+ --> L-] (U_N)	1000 V
Nominal voltage DC [(L+/L-) --> PE] (U_N)	500 V
Max. continuous operating voltage (DC) [L+ --> L-] (U_C)	1000 V
Max. continuous operating voltage (DC) [(L+/L-) --> PE] (U_C)	500 V
Lightning impulse current (10/350 µs) (I_{imp})	5 kA
Nominal discharge current (8/20 µs) (I_n)	12.5 kA
Max. nominal impulse discharge current (8/20 µs) (I_{max})	20 kA
Voltage protection level [DC+ --> DC-] (U_p)	< 3,75 kV
Voltage protection level [(DC+/DC-) --> PE] (U_p)	< 2,5 kV
Max. short circuit withstand capability (I_{SCCR})	5 kA
Max. backup fuse	80 A gG
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 DIN rails acc. to EN 60715
Enclosure material	thermoplastic, red, UL 94 V-0
Place of installation	indoor installation
Degree of protection	IP20
Capacity	4 Standard DIN module, DIN 43880
Approvals	DEKRA, UL
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
Extended technical data	
For use in DC battery storage systems up to I_k	≤ 100 kA
Backup fuse for DC battery storage systems up to I_K	Bussman HLS 2,000 V DC / 200 A 2+/A173 DST aR, manuf. part no.: 170M2040
No response up to 1,250 V DC [L+/L- --> PE]	yes

Masterdata	
Net weight	1 pc(s)/st
Customs tariff number (Comb. Nomenclature EU)	85363030
GTIN	4013364519817
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.