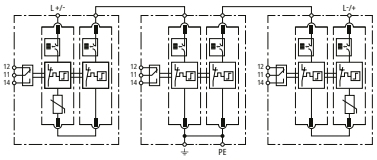
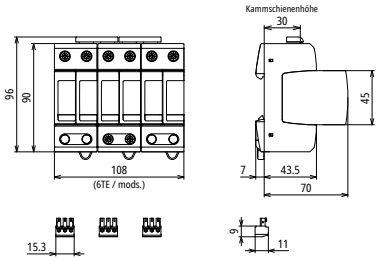
DG M DC ACI 1250 FM (972 150)

- Heavy-duty ACI DC switching device
- ACI switch / spark gap combination integrated in the protection module
- Prewired complete unit consisting of a base part and plug-in protection modules
- No backup fuse necessary due to ACI technology
- Fulfils IEC 61851-23





Basic circuit diagram



Dimension drawing

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

NEW

Type	DG M DC ACI 1250 FM
Part No.	**972 150**
SPD classification similar to EN 61643-41 / ... IEC 61643-41	Type 2
Nominal voltage DC [L+ --> L-] (U_N)	1250 V
Nominal voltage DC [(L+/L-) --> PE] (U_N)	625 V
Max. continuous operating voltage (DC) [L+ --> L-] (U_C)	1250 V
Max. continuous operating voltage (DC) [(L+/L-) --> PE] (U_C)	625 V
Nominal discharge current (8/20 µs) (I_n)	10 kA
Max. nominal impulse discharge current (8/20 µs) (I_{max})	20 kA
Voltage protection level [L+ --› L-]	< 5 kV
Voltage protection level [(L+/L-) --> PE]	< 2.5 kV
Protective conductor current (I_{PE})	< 10 µA
Continuous current	< 10 µA
Max. short circuit withstand capability (I_{SCCR})	5 kA
Additional external fuse necessary	No
Operating temperature range (T_U)	-40 °C ... +80 °C
Condition at the end of life time of the SPD A	Open Circuit Mode (OCM)
Overvoltage category (OVC) main circuit	III
Insulation between main and remote circuit	Double insulation
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 (integrated)
Capacity	6 Standard DIN module, 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 mm² solid / flexible
Overvoltage category (OVC) auxiliary circuit	II
Extended technical data	
For use in DC battery storage systems up to I_k	≤ 100 kA
No response up to 1,250 V DC [L+/L- --> PE]	Yes

Masterdata	
Net weight	654.9 g/pc(s)
Customs tariff number (Comb. Nomenclature EU)	85354000
GTIN	4013364530850
PU	1 pc(s)

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.