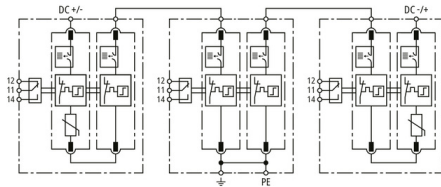


## DG M DC ACI 1250 FM (972 150)

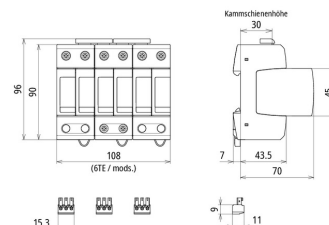
- Heavy-duty ACI DC switching device
- ACI switch / spark gap combination integrated in the protection module
- Prewired complete unit consisting of a base part and plug-in protection modules
- No backup fuse necessary due to ACI technology
- Fulfils IEC 61851-23



Figure without obligation



Basic circuit diagram DG M DC ACI 1250 FM



Dimension drawing DG M DC ACI 1250 FM

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

Type	DG M DC ACI 1250 FM
Part No.	972 150
SPD classification similar to EN 61643-41 / ... IEC 61643-41	Type 2 / class II
Nominal voltage DC [DC+ --> DC-] ( $U_N$ )	1250 V
Nominal voltage DC [(DC+/DC-) --> PE] ( $U_N$ )	625 V
Max. continuous operating voltage (DC) [DC+ --> DC-] ( $U_C$ )	1250 V
Max. continuous operating voltage (DC) [(DC+/DC-) --> PE] ( $U_C$ )	625 V
Nominal discharge current (8/20 $\mu$ s) ( $I_n$ )	10 kA
Max. nominal impulse discharge current (8/20 $\mu$ s) ( $I_{max}$ )	20 kA
Voltage protection level [DC+ --> DC-] ( $U_p$ )	< 5 kV
Voltage protection level [(DC+/DC-) --> PE] ( $U_p$ )	< 2,5 kV
Max. short circuit withstand capability ( $I_{SCCR}$ )	5 kA
Additional external fuse necessary	No
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 <sup>2</sup> solid / flexible
Cross-sectional area (max.)	35 mm <sup>2</sup> stranded / 25 mm <sup>2</sup> 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	6 module(s), 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 mm <sup>2</sup> solid / flexible
Extended technical data:	-----
- Use in DC supply systems up to $I_{SCCR}$	$\leq$ 100 kA
- No response up to 1,250 V [(DC+/DC-) --> PE]	yes
Weight	653 g
Customs tariff number (Comb. Nomenclature EU)	85354000
GTIN	4013364530850
PU	1 pc(s)

We reserve the right to introduce changes in performance, configuration and technology, dimensions, weights and materials in the course of technical progress. The figures are shown without obligation.