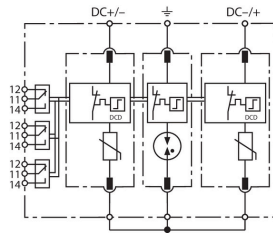


DG ME DC Y 1000 FM (972 147)

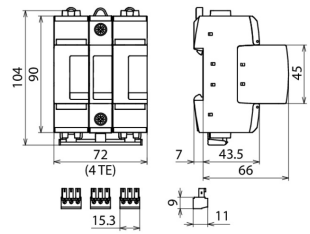
■ Powerful d.c. switching device DCD



Figure without obligation



Basic circuit diagram DG ME DC Y 1000 FM



Dimension drawing DG ME DC Y 1000 FM

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

Type	DG ME DC Y 1000 FM	
Part No.	972 147	
SPD analogous to EN 61643-11 / IEC 61643-11	type 1 + type 2 / class I + class II	
Nominal voltage (d.c.) (U_N)	900 V	
Max. continuous operating voltage (d.c.) (U_C)	1000 V	
Lightning impulse current (10/350 μ s) (I_{imp})	5 kA	
Nominal discharge current (8/20 μ s) (I_n)	12.5 kA	
Voltage protection level [DC+ \rightarrow DC-] (U_p)	< 3,75 kV	
Voltage protection level [(DC+/DC-) \rightarrow PE] (U_p)	< 2,5 kV	
Max. short circuit withstand capability (I_{SCCR})	500 A / 170 ms	
Temporary overvoltage (TOV) [DC+ \rightarrow DC-] (U_T) – characteristic	1000 V ($U_{TOV} = U_C$)	
Temporary overvoltage (TOV) [DC+/- \rightarrow PE] (U_T) – Characteristic	1000 V / 10 sec. – withstand	
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 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 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 ² solid / flexible	
Extended technical data:	-----	
– Use in DC battery storage systems up to I_{SCCR}	≤ 100 kA ($t \leq 7,5$ ms)	
– Backup fuse for DC battery storage systems up to I_{SCCR}	Bussman HLS 2000Vdc / 200 A 2+/A173 DST aR, manufacturer's Part No.: 170M2040	
– Backup fuse for DC battery storage systems up to I_{SCCR}	Mersen Protistor D122SD20C200QF 200A 2000V DC aR	
– Non-response up to 1250 V DC	yes	
Weight	497 g	
Customs tariff number (Comb. Nomenclature EU)	85363030	
GTIN	4013364519817	
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.