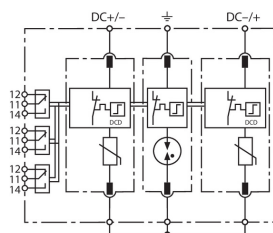


DG ME DC Y 950 FM (972 146)

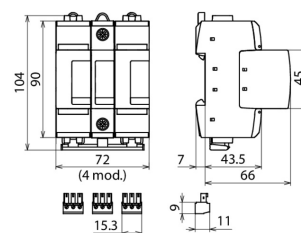
■ Powerful d.c. switching device DCD



Figure without obligation



Basic circuit diagram DG ME DC Y 950 FM



Dimension drawing DG ME DC Y 950 FM

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

Type	DG ME DC Y 950 FM
Part No.	972 146
SPD analogous to EN 61643-11 / IEC 61643-11	type 1 + type 2 / class I + class II
Nominal voltage (d.c.) (U_N)	860 V
Max. continuous operating voltage (d.c.) (U_C)	950 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)	≤ 4 kV
Voltage protection level [(DC+/DC-) $\rightarrow$ PE] (U_P)	≤ 3.2 kV
Max. short circuit withstand capability (I_{SCCR})	500 A / 170 ms
Temporary overvoltage (TOV) [DC+ $\rightarrow$ DC-] (U_T) – Characteristic	950 V ($U_{TOV} = U_C$)
Temporary overvoltage (TOV) [DC+/- $\rightarrow$ PE] (U_T) – Characteristic	950 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
Approvals	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 mm ² solid / flexible
Extended technical data:	-----
– Residual voltage (U_{res}) @ 1.2 kA	2,5 kV
– Use in DC battery storage systems up to I_{SCCR}	≤ 50 kA ($t \leq 4$ 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
Weight	497 g
Customs tariff number (Comb. Nomenclature EU)	85363030
GTIN	4013364347960
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.