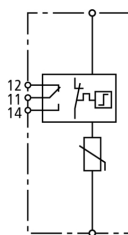


DG 1000 FM (950 112)

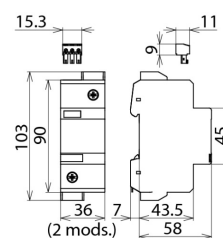
- High discharge capacity due to heavy-duty zinc oxide varistor
- High reliability due to "Thermo Dynamic Control" disconnecter
- Specifically designed for high system voltages



Figure without obligation



Basic circuit diagram DG 1000 FM



Dimension drawing DG 1000 FM

Compact single-pole surge arrester with a rated voltage $U_c = 1000 \text{ V a.c. or } 1000 \text{ V d.c.}$; FM version with floating remote signalling contact.

Type	DG 1000 FM
Part No.	950 112
SPD according to EN 61643-11 / IEC 61643-11	type 2 / class II
Energy coordination with terminal equipment ($\leq 10 \text{ m}$)	type 2 + type 3
Nominal voltage (a.c.) (U_N)	830 V (50 / 60 Hz)
Max. continuous operating voltage (a.c.) (U_c)	1000 V (50 / 60 Hz)
Max. continuous operating voltage (d.c.) (U_c)	1000 V
Nominal discharge current (8/20 μs) (I_n)	15 kA
Max. discharge current (8/20 μs) (I_{max})	30 kA
Voltage protection level (U_p)	$\leq 4.2 \text{ kV}$
Voltage protection level at 5 kA (U_p)	$\leq 3.5 \text{ kV}$
Response time (t_A)	$\leq 25 \text{ ns}$
Max. overcurrent protection	100 A aM
Max. overcurrent protection at $U \leq 690 \text{ V a.c.}$	125 A gG
Short-circuit withstand capability for max. backup fuse (I_{SCCR})	25 kA _{rms}
Temporary overvoltage (TOV) (U_T) – Characteristic	1205 V / 5 sec. – withstand
Temporary overvoltage (TOV) (U_T) – Characteristic	1580 V / 120 min. – safe failure
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	IP 20
Capacity	2 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
Weight	196 g
Customs tariff number (Comb. Nomenclature EU)	85363030
GTIN	4013364105638
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.