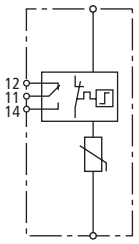
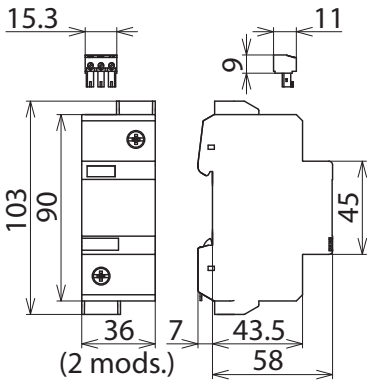
DG 1000 FM (950 112)

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





Basic circuit diagram



Dimension drawing

Compact single-pole surge arrester with a rated voltage U_C = 1000 V a.c. or 1000 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 (≤ 10 m)	type 2 + type 3
Nominal voltage (a.c.) (U_N)	830 V (50 / 60 Hz)
Max. continuous operating voltage (AC) (U_C)	1000 V (50 / 60 Hz)
Max. continuous operating voltage DC (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)	≤ 4.2 kV
Voltage protection level at 5 kA (U_p)	≤ 3.5 kV
Response time (t_A)	≤ 25 ns
Max. overcurrent protection	100 A aM
Max. overcurrent protection at U ≤ 690 V a.c.	125 A gG
Short-circuit withstand capability for max. backup fuse (I_{SCCR})	25 kA_{rms}
Temporary overvoltage (U_T) – characteristic	1205 V / 5 sec. – Festigkeit 1580 V / 120 min. – sicherer Ausfall
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 Standard DIN module, 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

Masterdata	
Net weight	196 g/pc(s)
GTIN	4013364105638
PU	1 pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363030

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.

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: Tested • NEU: New • !: Discontinued Model
: Cross connector • : Longitudinal connector • : Parallel connector • : T connector • : Clamp for parallel connector • : Clamp for T connector
: Pipe clamp for parallel connector • : Pipe clamp for T connector • : Equipotential bonding bar • : Bridging component