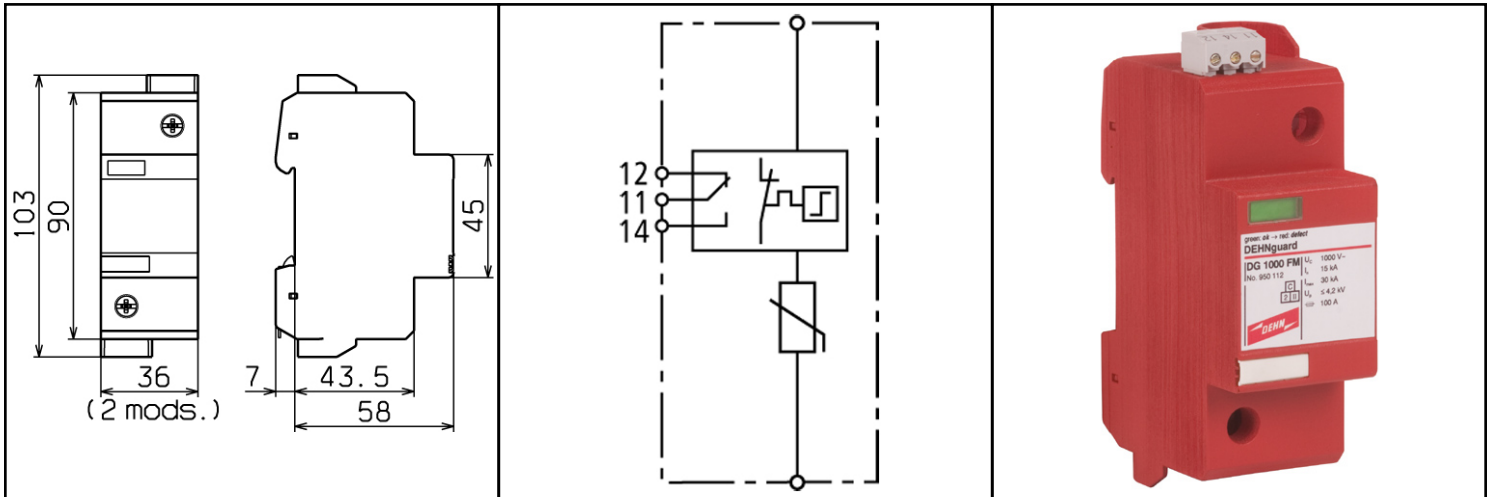


## SPDS TYPE 2

## DG 1000 FM



Dimension drawing DG 1000 FM

Basic circuit diagram DG 1000 FM

DG 1000 (FM): Single-pole compact surge arrester with rated voltage  $U_C = 1000 \text{ V ac}$

- **Rated voltage  $U_C = 1000 \text{ V ac}$**
- **High discharge capacity due to powerful zinc oxide varistor**
- **Reliable control due to "Thermo Dynamic Control" disconnecter with dual monitoring**
- **Fault indication by red mark in the inspection window**
- **Also available with remote signalling contact for control device (floating changeover contact)**
- **Quick response**

DG 1000 FM	
SPD according to EN 61643-11	Type 2
SPD according to IEC 61643-1	Class II
Max. continuous ac voltage [ $U_C$ ]	1000 V
Max. continuous dc voltage [ $U_C$ ]	1000 V
Nominal discharge current (8/20 $\mu\text{s}$ ) [ $I_n$ ]	15 kA
Max. discharge current (8/20 $\mu\text{s}$ ) [ $I_{max}$ ]	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 $U \leq 690 \text{ V ac}$	125 A gL/gG
Short circuit withstand capability at max. backup fuse	25 kA <sub>rms</sub>
Operating temperature range [ $T_U$ ]	-40°C...+80°C
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
Mounting on	35 mm DIN rail acc
Enclosure material	red thermoplastic, UL 94 V-0
Degree of protection	IP 20
Dimension	2 mods., DIN 4
Type of remote signalling contact	changeover contact
Switching capacity ac	250 V/0.5 A
Switching capacity dc	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
<b>Ordering information</b>	
Type	DG 1000 FM
Part No.	950 112
Packing unit	1 pcs.

Change in form and technology, with masses, weights and materials we reserve ourselves in the sense of the progress of the technology. The illustrations are noncommittal.