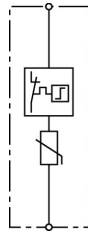


DG 1000 (950 102)

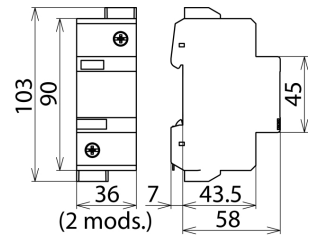
- High discharge capacity due to heavy-duty zinc oxide varistor
- High reliability due to "Thermo Dynamic Control" disconnecter
- Specifically designed for high system voltages



Figure without obligation



Basic circuit diagram DG 1000



Dimension drawing DG 1000

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 Part No. | DG 1000 950 102 |
|--|---|
| 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 |
| Weight | 184 g |
| Customs tariff number (Comb. Nomenclature EU) | 85363030 |
| GTIN | 4013364105621 |
| 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.