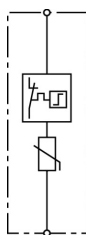


## DG 1000 (950 102)

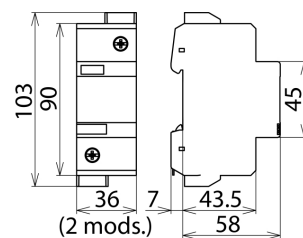
- High discharge capacity due to heavy-duty zinc oxide varistor
- High reliability due to "Thermo Dynamic Control" disconnecter
- Specifically designed for high system voltages



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<br>Part No.                                                              | DG 1000<br>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 $\mu\text{s}$ ) ( $I_n$ )                     | 15 kA                                                         |
| Max. discharge current (8/20 $\mu\text{s}$ ) ( $I_{\text{max}}$ )             | 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 ( $I_{\text{SCCR}}$ ) | 25 kA <sub>rms</sub>                                          |
| 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 ( $T_u$ )                                         | $-40 \text{ }^\circ\text{C} \dots +80 \text{ }^\circ\text{C}$ |
| Operating state / fault indication                                            | green / red                                                   |
| Number of ports                                                               | 1                                                             |
| 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     |
| 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.