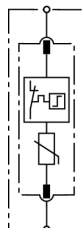


## DG S 48 (952 078)

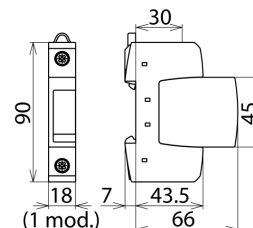
- Multi-purpose surge arrester consisting of a base element and plug-in protection module
- High discharge capacity due to heavy-duty zinc oxide varistor
- High reliability due to "Thermo Dynamic Control" SPD monitoring device



Figure without obligation



Basic circuit diagram DG S 48



Dimension drawing DG S 48

Pluggable single-pole surge arrester consisting of a base part and plug-in protection module

| Type  | DG S 48   |
|---|---|
| Part No.  | 952 078   |
| SPD according to EN 61643-11  | Type 2  |
| SPD according to IEC 61643-1/-11  | Class II  |
| Max. continuous operating a.c. voltage ( $U_c$ )                              | 48 V  |
| Max. continuous operating d.c. voltage ( $U_c$ )                              | 60 V  |
| Nominal discharge current (8/20 $\mu$ s) ( $I_n$ )                            | 10 kA   |
| Max. discharge current (8/20 $\mu$ s) ( $I_{max}$ )                           | 25 kA   |
| Voltage protection level ( $U_p$ )  | $\leq 0.3$ kV   |
| Voltage protection level at 5 kA ( $U_p$ )                                    | $\leq 0.25$ kV  |
| Response time ( $t_A$ )   | $\leq 25$ ns  |
| Max. mains-side overcurrent protection  | 125 A gL/gG   |
| Short-circuit withstand capability for max. mains-side overcurrent protection | 50 kA <sub>rms</sub>                                    |
| Temporary overvoltage (TOV) ( $U_T$ )   | 70 V / 5 sec.   |
| TOV characteristic  | withstand   |
| 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 <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  | 1 module(s), DIN 43880                                  |
| Weight  | 109 g   |
| Customs tariff number   | 85363030  |
| GTIN  | 4013364119468   |
| 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.