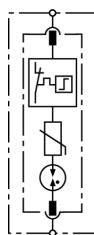


## DG S 275 VA (952 082)

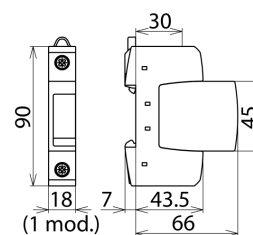
- Multi-purpose surge arrester consisting of a base part and a plug-in protection module
- Leakage-current-free series connection of a varistor and a spark gap in the pluggable protection module
- High reliability due to "Thermo Dynamic Control" SPD monitoring device



Figure without obligation



Basic circuit diagram DG S 275 VA



Dimension drawing DG S 275 VA

Modular single-pole surge arrester with a varistor connected in series with a spark gap in a pluggable protection module.

| Type<br>Part No.   | DG S 275 VA<br>952 082                                    |
|--|---|
| 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.) ( $U_N$ )   | 230 V (50 / 60 Hz)  |
| Max. continuous operating voltage (a.c.) ( $U_C$ )   | 275V (50 / 60 Hz)   |
| Max. continuous operating voltage (d.c.) ( $U_C$ )   | 350 V   |
| Nominal discharge current (8/20 $\mu$ s) ( $I_n$ )   | 10 kA   |
| Max. discharge current (8/20 $\mu$ s) ( $I_{max}$ )  | 20 kA   |
| Voltage protection level ( $U_P$ )   | ≤ 1.5 kV  |
| Response time ( $t_A$ )  | ≤ 100 ns  |
| Max. mains-side overcurrent protection   | 100 A gG  |
| Short-circuit withstand capability for max. mains-side overcurrent protection ( $I_{SCCR}$ ) | 25 kA <sub>rms</sub>                                      |
| Temporary overvoltage (TOV) ( $U_T$ ) – Characteristic                                       | 440 V / 120 min. – 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                                    |

### Arrester use at 16.7 Hz – traction power supply systems

| Type<br>Part No.                 | DG S 275 VA<br>952 082 |
|----------------------------------|------------------------|
| – Test voltage AC ( $U_C$ )      | 275 V                  |
| – Nominal AC voltage ( $U_N$ )   | 230 V                  |
| – Nominal frequency AC ( $f_N$ ) | 16.7 Hz                |
| Weight                           | 113 g                  |
| Customs tariff number            | 85363030               |
| GTIN                             | 4013364127319          |
| PU                               | 1 Stk                  |

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.