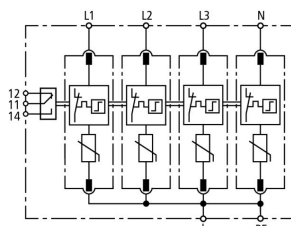


## DG M TNS 275 FM (952 405)

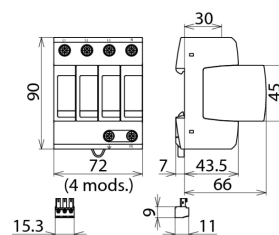
- Prewired complete unit consisting of a base part and plug-in protection modules
- High discharge capacity due to heavy-duty zinc oxide varistors / spark gaps
- High reliability due to "Thermo Dynamic Control" SPD monitoring device



Figure without obligation



Basic circuit diagram DG M TNS 275 FM



Dimension drawing DG M TNS 275 FM

Modular surge arrester for use in TN-S systems; with floating remote signalling contact.

| Type<br>Part No.                                                                             | DG M TNS 275 FM<br>952 405                                |
|----------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| SPD according to EN 61643-11 / IEC 61643-11                                                  | type 2 / class II                                         |
| Energy coordination with terminal equipment ( $\leq 10$ m)                                   | type 2 + type 3                                           |
| Nominal voltage (a.c.) ( $U_N$ )                                                             | 230 / 400 V (50 / 60 Hz)                                  |
| Max. continuous operating voltage (a.c.) ( $U_C$ )                                           | 275 V (50 / 60 Hz)                                        |
| Nominal discharge current (8/20 $\mu$ s) ( $I_n$ )                                           | 20 kA                                                     |
| Max. discharge current (8/20 $\mu$ s) ( $I_{max}$ )                                          | 40 kA                                                     |
| Voltage protection level [L-PE]/[N-PE] ( $U_P$ )                                             | $\leq 1.5$ / $\leq 1.5$ kV                                |
| Voltage protection level [L-PE] / [N-PE] at 5 kA ( $U_P$ )                                   | $\leq 1$ / $\leq 1$ kV                                    |
| Response time ( $t_A$ )                                                                      | $\leq 25$ ns                                              |
| Max. mains-side overcurrent protection                                                       | 125 A gG                                                  |
| Short-circuit withstand capability for max. mains-side overcurrent protection ( $I_{SCCR}$ ) | 50 kA <sub>rms</sub>                                      |
| Temporary overvoltage (TOV) ( $U_T$ ) – Characteristic                                       | 335 V / 5 sec. – withstand                                |
| Temporary overvoltage (TOV) ( $U_T$ ) – Characteristic                                       | 440 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 <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                                                                                     | 4 module(s), DIN 43880                                    |
| Approvals                                                                                    | KEMA, VDE, UL                                             |
| Type of remote signalling contact                                                            | changeover contact                                        |
| Switching capacity (a.c.)                                                                    | 250 V / 0.5 A                                             |
| Switching capacity (d.c.)                                                                    | 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                 |
| Weight                                                                                       | 453 g                                                     |
| Customs tariff number (Comb. Nomenclature EU)                                                | 85363030                                                  |
| GTIN                                                                                         | 4013364108462                                             |
| 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.