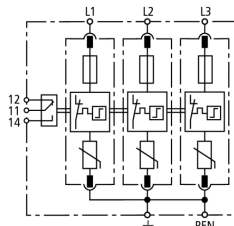


## DG M TNC CI 275 FM (952 309)

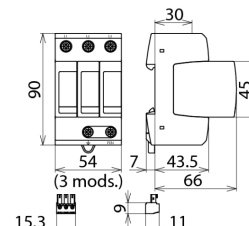
- Arrester backup fuse integrated in the protection module
- Prewired complete unit consisting of a base part and plug-in protection modules
- High reliability due to "Thermo Dynamic Control" SPD monitoring device



Figure without obligation



Basic circuit diagram DG M TNC CI 275 FM



Dimension drawing DG M TNC CI 275 FM

Modular surge arrester with integrated backup fuses for TN-C systems

| Type                                                 | DG M TNC CI 275 FM                                      |
|------------------------------------------------------|---------------------------------------------------------|
| Part No.                                             | 952 309                                                 |
| SPD according to EN 61643-11                         | Type 2                                                  |
| SPD according to IEC 61643-1/-11                     | Class II                                                |
| Nominal a.c. voltage ( $U_N$ )                       | 230/400 V                                               |
| Max. continuous operating a.c. voltage ( $U_C$ )     | 275 V                                                   |
| Nominal discharge current (8/20 $\mu$ s) ( $I_n$ )   | 12.5 kA                                                 |
| Max. discharge current (8/20 $\mu$ s) ( $I_{max}$ )  | 25 kA                                                   |
| Voltage protection level ( $U_P$ )                   | $\leq 1.5$ kV                                           |
| Voltage protection level at 5 kA ( $U_P$ )           | $\leq 1$ kV                                             |
| Response time ( $t_A$ )                              | $\leq 25$ ns                                            |
| Max. mains-side overcurrent protection               | not required                                            |
| Short-circuit withstand capability                   | 25 kA <sub>rms</sub>                                    |
| Temporary overvoltage (TOV) ( $U_T$ )                | 335 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                                             | 3 module(s), DIN 43880                                  |
| Approvals                                            | KEMA, VDE                                               |
| Type of remote signalling contact                    | changeover contact                                      |
| a.c. switching capacity                              | 250 V/0.5 A                                             |
| d.c. switching capacity                              | 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                                               | 382 g                                                   |
| Customs tariff number                                | 85363030                                                |
| GTIN                                                 | 4013364128378                                           |
| 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.