

## NEW DG M TT ACI 275 FM (952 341)

- ACI switch / spark gap combination 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 and ACI technology

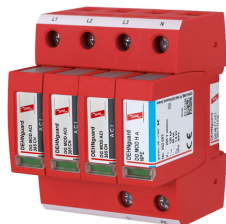
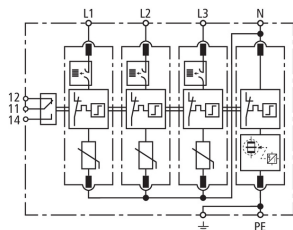
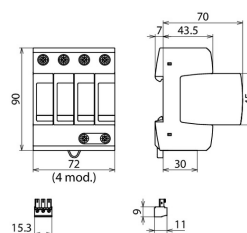


Figure without obligation



Basic circuit diagram DG M TT ACI 275 FM



Dimension drawing DG M TT ACI 275 FM

Modular surge arrester with Advanced Circuit Interruption (ACI) for TT and TN-S systems (3+1 configuration).

| Type  | DG M TT ACI 275 FM  |
|---|---|
| Part No.  | 952 341   |
| 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 a.c. voltage ( $U_N$ )                                | 230 / 400 V (50 / 60 Hz)                                  |
| Max. continuous operating voltage (a.c.) [L-N] ( $U_C$ )      | 275 V (50 / 60 Hz)  |
| Max. continuous operating voltage (a.c.) [N-PE] ( $U_C$ )     | 255 V (50 / 60 Hz)  |
| Nominal discharge current (8/20 $\mu$ s) [L-N] ( $I_n$ )      | 20 kA   |
| Nominal discharge current (8/20 $\mu$ s) [N-PE] ( $I_n$ )     | 80 kA   |
| Voltage protection level [L-N] / [N-PE] ( $U_p$ )             | $\leq 1.5$ / $\leq 1.5$ kV                                |
| Voltage protection level [L-N] / [N-PE] at 5 kA ( $U_p$ )     | $\leq 1,5$ / $\leq 1,5$ kV                                |
| Follow current extinguishing capability [N-PE] ( $I_b$ )      | 100 $A_{rms}$   |
| Response time [L-N] ( $t_A$ )                                 | $\leq 100$ ns   |
| Response time [N-PE] ( $t_A$ )                                | $\leq 100$ ns   |
| Additional external fuse                                      | not required  |
| Short-circuit withstand capability ( $I_{SCCR}$ )             | 25 $kA_{rms}$   |
| Temporary overvoltage (TOV) [L-N] ( $U_T$ ) – Characteristic  | 440 V / 120 min. – withstand                              |
| Temporary overvoltage (TOV) [N-PE] ( $U_T$ ) – Characteristic | 1200 V / 200 ms – 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  | 4 module(s), DIN 43880                                    |
| 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  | 452 g   |
| Customs tariff number (Comb. Nomenclature EU)                 | 85363030  |
| GTIN  | 4013364376632   |
| 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.