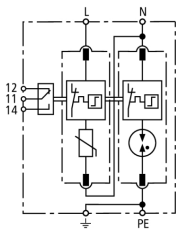


DG M TT 2P 275 CN FM (952 104)

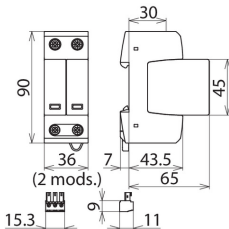
- Prewired complete unit consisting of a base part and plug-in protection modules
- High discharge capacity due to heavy-duty zinc oxide varistors / spark gaps
- High reliability due to "Thermo Dynamic Control" SPD monitoring device



Figure without obligation



Basic circuit diagram DG M TT 2P 275 CN FM



Dimension drawing DG M TT 2P 275 CN FM

Modular surge arrester for use in single-phase TT and TN systems (1+1 configuration); with floating remote signalling contact.

| Type                                                                                               | DG M TT 2P 275 CN FM                                      |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| Part No.                                                                                           | 952 104                                                   |
| SPD according to GB/T 18802.11 / IEC 61643-11                                                      | type 2 / class II                                         |
| Nominal voltage (a.c.) (U <sub>N</sub> )                                                           | 230 V (50 / 60 Hz)                                        |
| Max. continuous operating voltage (a.c.) [L-N] (U <sub>C</sub> )                                   | 275 V (50 / 60 Hz)                                        |
| Max. continuous operating voltage (a.c.) [N-PE] (U <sub>C</sub> )                                  | 255 V (50 / 60 Hz)                                        |
| Nominal discharge current (8/20 μs) (I <sub>n</sub> )                                              | 20 kA                                                     |
| Max. discharge current (8/20 μs) (I <sub>max</sub> )                                               | 40 kA                                                     |
| Voltage protection level [L-PE] (U <sub>p</sub> )                                                  | 1.5 kV                                                    |
| Voltage protection level [L-N]/[N-PE] (U <sub>p</sub> )                                            | ≤ 1.25 / ≤ 1.5 kV                                         |
| Voltage protection level [L-N]/[N-PE] at 5 kA (U <sub>p</sub> )                                    | ≤ 1 / ≤ 1.5 kV                                            |
| Follow current extinguishing capability [N-PE] (I <sub>h</sub> )                                   | 100 A <sub>rms</sub>                                      |
| Response time [L-N] (t <sub>λ</sub> )                                                              | ≤ 25 ns                                                   |
| Response time [N-PE] (t <sub>λ</sub> )                                                             | ≤ 100 ns                                                  |
| Max. mains-side overcurrent protection                                                             | 125 A gG                                                  |
| Short-circuit withstand capability for max. mains-side overcurrent protection (I <sub>SCCR</sub> ) | 25 kA <sub>rms</sub>                                      |
| Temporary overvoltage (TOV) [L-N] (U <sub>T</sub> ) – Characteristic                               | 335 V / 5 sec. – withstand                                |
| Temporary overvoltage (TOV) [L-N] (U <sub>T</sub> ) – Characteristic                               | 440 V / 120 min. – safe failure                           |
| Temporary overvoltage (TOV) [N-PE] (U <sub>T</sub> ) – Characteristic                              | 1200 V / 200 ms – withstand                               |
| Operating temperature range (T <sub>U</sub> )                                                      | -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, grey, UL 94 V-0                            |
| Place of installation                                                                              | indoor installation                                       |
| Degree of protection                                                                               | IP 20                                                     |
| Capacity                                                                                           | 2 module(s), DIN 43880                                    |
| Approvals                                                                                          | CQC, 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                                                                                             | 229 g                                                     |
| GTIN                                                                                               | 6942299503739                                             |
| 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.