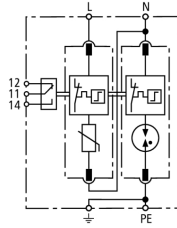


## DG M TT 2P 385 FM (952 116)

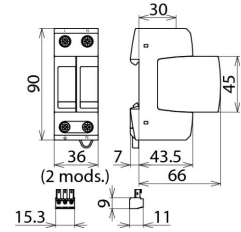
- Prewired complete unit consisting of a base part and plug-in protection modules
- High discharge capacity due to heavy-duty zinc oxide varistors / spark gaps
- High reliability due to "Thermo Dynamic Control" SPD monitoring device



Figure without obligation



Basic circuit diagram DG M TT 2P 385 FM



Dimension drawing DG M TT 2P 385 FM

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

| Type<br>Part No.   | DG M TT 2P 385 FM<br>952 116                              |
|--|---|
| 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 V (50 / 60 Hz)  |
| Max. continuous operating voltage (a.c.) [L-N] ( $U_C$ )                                     | 385 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) ( $I_n$ )   | 20 kA   |
| Max. discharge current (8/20 $\mu$ s) ( $I_{max}$ )  | 40 kA   |
| Voltage protection level [L-N]/[N-PE] ( $U_p$ )  | $\leq 1.75 / \leq 1.5$ kV                                 |
| Voltage protection level [L-N] / [N-PE] at 5 kA ( $U_p$ )                                    | $\leq 1.35 / \leq 1.5$ kV                                 |
| Follow current extinguishing capability [N-PE] ( $I_n$ )                                     | 100 $A_{rms}$   |
| Response time [L-N] ( $t_A$ )  | $\leq 25$ ns  |
| Response time [N-PE] ( $t_A$ )   | $\leq 100$ ns   |
| Max. mains-side overcurrent protection   | 125 A gG  |
| Short-circuit withstand capability for max. mains-side overcurrent protection ( $I_{SCCR}$ ) | 25 $kA_{rms}$   |
| Temporary overvoltage (TOV) [L-N] ( $U_T$ ) – Characteristic                                 | 335 V / 5 sec. – withstand                                |
| 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   | 2 module(s), DIN 43880                                    |
| Approvals  | KEMA  |
| 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                 |
| Extended technical data:   | -----   |
| Lightning impulse current (10/350 $\mu$ s) [N-PE] ( $I_{imp}$ )                              | 12 kA   |
| Voltage protection level [L-PE] ( $U_p$ )  | 2.0 kV  |
| Weight   | 236 g   |
| Customs tariff number  | 85363030  |
| GTIN   | 4013364119413   |
| 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.