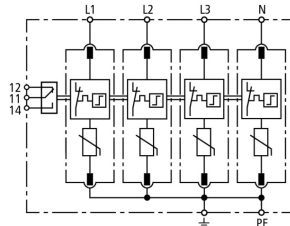


DG M TNS 275 FM (952 405)

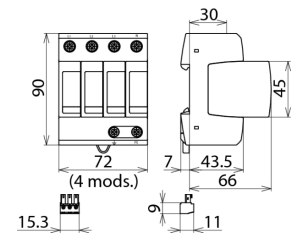
- Prewired complete unit consisting of a base part and plug-in protection modules
- High discharge capacity due to heavy-duty zinc oxide varistors / spark gaps
- High reliability due to "Thermo Dynamic Control" SPD monitoring device



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 changeover contact.

| Type | DG M TNS 275 FM |
|--|---|
| Part No. | 952 405 |
| SPD according to EN 61643-11 / IEC 61643-11 | type 2 / class II |
| Nominal a.c. voltage (U_N) | 230 / 400 V (50 / 60 Hz) |
| Max. continuous operating a.c. voltage (U_C) | 275 V (50 / 60 Hz) |
| Nominal discharge current (8/20 μ s) (I_n) | 20 kA |
| Max. discharge current (8/20 μ s) (I_{max}) | 40 kA |
| Voltage protection level (U_P) | ≤ 1.5 kV |
| Voltage protection level at 5 kA (U_P) | ≤ 1 kV |
| Response time (t_d) | ≤ 25 ns |
| Max. mains-side overcurrent protection | 125 A gG |
| Short-circuit withstand capability for max. mains-side overcurrent protection (I_{SCCR}) | 50 kA _{rms} |
| 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 ² solid / flexible |
| Cross-sectional area (max.) | 35 mm ² stranded / 25 mm ² 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, VdS |
| 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 ² solid / flexible |
| Weight | 453 g |
| Customs tariff number | 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.