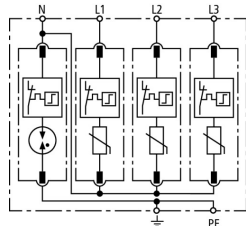


## DG M TT 275 NL (952 312)

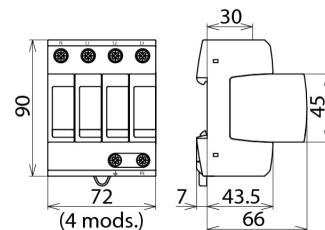
- Prewired complete unit for TT and TN-S systems consisting of a base part and plug-in protection modules
- High discharge capacity due to heavy-duty zinc oxide varistors
- High reliability due to "Thermo Dynamic Control" SPD monitoring device



Figure without obligation



Basic circuit diagram DG M TT 275 NL



Dimension drawing DG M TT 275 NL

Modular surge arrester for TT and TN-S systems (3+1 configuration), neutral conductor on the left side.

Type	DG M TT 275 NL
Part No.	952 312
SPD according to EN 61643-11 / IEC 61643-11	type 2 / class II
Nominal voltage (a.c.) ( $U_N$ )	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) ( $I_n$ )	20 kA
Max. discharge current (8/20 $\mu$ s) ( $I_{max}$ )	40 kA
Lightning impulse current (10/350 $\mu$ s) [N-PE] ( $I_{imp}$ )	12 kA
Voltage protection level [L-N] ( $U_P$ )	$\leq 1.5$ kV
Voltage protection level [L-N] at 5 kA ( $U_P$ )	$\leq 1$ kV
Voltage protection level [N-PE] ( $U_P$ )	$\leq 1.5$ kV
Follow current extinguishing capability [N-PE] ( $I_h$ )	100 A <sub>rms</sub>
Response time [L-N] ( $t_A$ )	$\leq 25$ ns
Response time [N-PE] ( $t_A$ )	$\leq 100$ ns
Max. mains-side overcurrent protection	125 gG
Short circuit withstand capability for max. mains-side overcurrent protection ( $I_{SCCR}$ )	50 kA <sub>rms</sub>
Temporary overvoltage (TOV) [L-N] (UT) – Characteristic	335 V / 5 sec. – withstand
Temporary overvoltage (TOV) [L-N] (UT) – Characteristic	440 V / 120 min. – safe failure
Temporary overvoltage (TOV) [N-PE] (UT) – 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
Dimensions	4 module(s), DIN 43880
Approvals	KEMA, VDE, UL
Weight	416 g
Customs tariff number (Comb. Nomenclature EU)	85363030
GTIN	4013364113992
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.