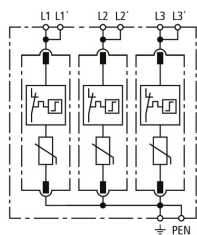


## DG MP TNC 275 (942 300)

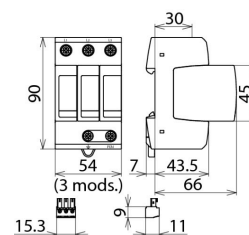
- Prewired complete unit consisting of a base part with push-in connection system and plug-in protection modules
- High discharge capacity due to heavy-duty zinc oxide varistors / spark gaps
- High device reliability due to "Thermo Dynamic Control" arrester monitoring



Figure without obligation



Basic circuit diagram DG MP TNC 275 FM



Dimension drawing DG MP TNC 275 FM

Modular surge arrester for use in TN-C systems.

Type	DG MP TNC 275
Part No.	942 300
SPD according to EN 61643-11 / IEC 61643-11	Type 2 + Type 3 / class II + class III
Energy coordination with terminal equipment ( $\leq 10$ m)	type 2 + type 3
Nominal voltage (a.c.) ( $U_N$ )	230 / 400 V (50 / 60 Hz)
Max. continuous operating voltage (a.c.) ( $U_C$ )	275 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
Combination wave [L-N] ( $U_{OC}$ )	20 kV
Nominal load current for "V-connection" ( $I_L$ )	40 A
Voltage protection level ( $U_P$ )	$\leq 1.5$ kV
Voltage protection level at 5 kA ( $U_P$ )	$\leq 1$ kV
Response time ( $t_A$ )	$\leq 25$ ns
Max. mains-side overcurrent protection with "V-connection"	40 A gG
Max. mains-side overcurrent protection with stub wiring (double connection 2 x 10 mm <sup>2</sup> )	125 A gG
Short-circuit withstand capability for max. mains-side overcurrent protection ( $I_{SCCR}$ )	50 kA <sub>rms</sub>
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 <sup>2</sup> solid
Cross-sectional area (min.)	6 mm <sup>2</sup> fine stranded
Cross-sectional area (max.)	10 mm <sup>2</sup> solid / fine stranded
Cross-sectional area (min.) with wire end ferrule	1.5 mm <sup>2</sup>
Cross-sectional area (max.) with wire end ferrule	6 mm <sup>2</sup>
Cross-sectional area (max.) with wire end ferrule without collar	10 mm <sup>2</sup>
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	3 module(s), DIN 43880
Approvals	KEMA, VDE
Weight	259 g
Customs tariff number (Comb. Nomenclature EU)	85363030
GTIN	4013364495272
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.