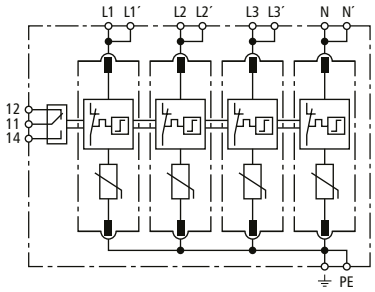
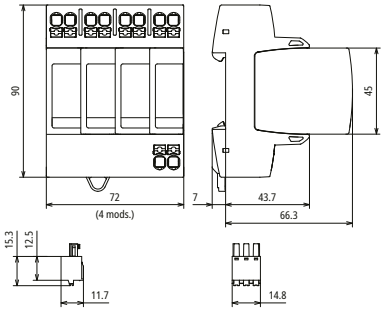
DG MP TNS 275 FM (942 405)

- Prewired complete unit consisting of a base part and remote signalling contact connection with push-in connection system 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





Basic circuit diagram



Dimension drawing

Modular surge arrester for use in TN-S systems; with floating remote signalling contact.

Type	**DG MP TNS 275 FM**
Part No.	**942 405**
Technical data	
SPD according to EN 61643-11 / IEC 61643-11	type 2 + type 3 / class II + class III
Energy coordination with terminal equipment (≤ 10 m)	type 2 + type 3
Nominal voltage (a.c.) (U_N)	230 / 400 V (50 / 60 Hz)
Max. continuous operating voltage (AC) (U_C)	275 V (50 / 60 Hz)
Nominal discharge current (8/20 µs) (I_n)	20 kA
Max. discharge current (8/20 µs) (I_{max})	40 kA
Combination wave [L-N] (Uoc)	20 kV
Nominal load current for “V-connection” (I_L)	40 A
Voltage protection level [L-PE]/[N-PE] (U_p)	≤ 1.5 / ≤ 1.5 kV
Voltage protection level [L-PE]/[N-PE] at 5 kA (U_p)	≤ 1 / ≤ 1 kV
Response time (t_A)	≤ 25 ns
Max. mains-side overcurrent protection	125 A gG
Max. mains-side overcurrent protection with “V-connection”	40 A gG
Max. mains-side overcurrent protection with stub wiring (double connection 2 x 10 mm²)	125 A gG
Short-circuit withstand capability for max. mains-side overcurrent protection (I_{SCCR})	50 kA_{rms}
Temporary overvoltage (U_T) – characteristic	335 V / 5 sec. – Festigkeit 440 V / 120 min. – sicherer Ausfall
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 mm² eindrähtig 6 mm² feindrähtig
Cross-sectional area (max.)	10 mm² solid / flexible
Cross-sectional area (min.) with wire end ferrule	1.5 mm²
Cross-sectional area (max.) with wire end ferrule	6 mm²
Cross-sectional area (max.) with wire end ferrule without collar	10 mm²
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 Standard DIN module, DIN 43880
Approvals	KEMA, VDE
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 mm² solid / flexible

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: Tested • NEU: New • !: Discontinued Model
: Cross connector • : Longitudinal connector • : Parallel connector • : T connector • : Clamp for parallel connector • : Clamp for T connector
: Pipe clamp for parallel connector • : Pipe clamp for T connector • : Equipotential bonding bar • : Bridging component

Masterdata	
Net weight	350.91 g/pc(s)
GTIN	4013364477124
PU	1 pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363030

We reserve the right to make changes to the design and technology, dimensions, weights and materials in the interests of technical progress. The illustrations are not binding.