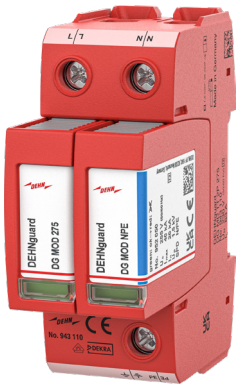
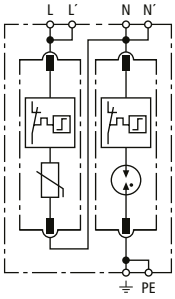
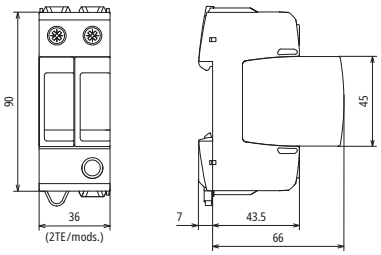
DG MD TT 2P 275 (943 110)

- Prewired complete unit consisting of a base part with double screw connection 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





Basic circuit diagram



Dimension drawing

Modular surge arrester for use in single-phase TT and TN systems (1+1 configuration).

NEW

Type	DG MD TT 2P 275
Part No.	**943 110**
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 (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 µs) (I_n)	20 kA
Max. discharge current (8/20 µs) (I_{max})	40 kA
Combination wave [L-N] (Uoc)	20 kV
Combination wave [N-PE] (Uoc)	6 kV
Nominal load current for “V-connection” (I_L)	63 A
Voltage protection level [L-N]/[N-PE] (U_P)	≤ 1.5 / ≤ 1.5 kV
Voltage protection level [L-N]/[N-PE] at 5 kA (U_P)	≤ 1 / ≤ 1.5 kV
Follow current extinguishing capability [N-PE] (I_{Fi})	100 A_{eff}
Response time [L-N] (t_A)	≤ 25 ns
Response time [N-PE] (t_A)	≤ 100 ns
Max. mains-side overcurrent protection	125 A gG
Max. mains-side overcurrent protection with “V-connection”	63 A gG
Max. mains-side overcurrent protection with stub wiring	125 A gG
Short-circuit withstand capability for max. mains-side overcurrent protection (I_{SCCR})	50 kA_{rms}
Temporary overvoltage (TOV) [L-N] (U_T) – Characteristic	335 V / 5 sec. – Festigkeit 440 V / 120 min. – sicherer Ausfall
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^2 solid / flexible
Cross-sectional area (max.) with stub wiring	35 mm^2 stranded / 25 mm^2 fine-stranded
Cross-sectional area (max.) with “V-connection”	16 mm^2 Stranded / fine-stranded
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 Standard DIN module, DIN 43880
Extended technical data	
Lightning impulse current (10/350 µs) [N-PE] (I_{imp})	12 kA

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: Tested • NEW: 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

Extended technical data	
Voltage protection level [L-PE] (U_p)	1.5 kV
Arrester use at 16.7 Hz – traction power supply systems	
Test voltage AC (U_C)	275 V
Nominal AC voltage (U_N)	230 / 400 V
Nominal frequency AC (f_N)	16.7 Hz

Masterdata	
Net weight	230 g/pc(s)
GTIN	4013364554030
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.

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