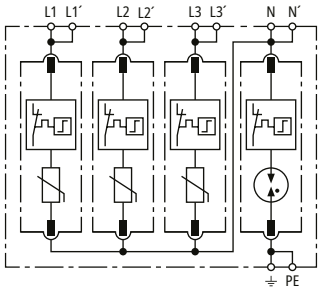
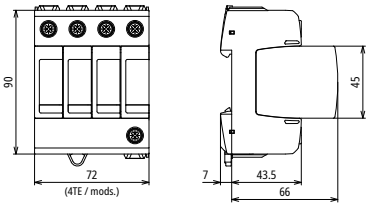
DG MD TT 275 (943 310)

- Anschlussfertige Kompletteinheit bestehend aus Basisteil mit Doppelschraubanschluss und gesteckten Schutzmodulen
- Hohes Ableitvermögen durch leistungsfähige Zinkoxidvaristoren/Funkenstrecken
- Hohe Gerätesicherheit durch Ableiterüberwachung „“Thermo-Dynamik-Control““





Basic circuit diagram



Dimension drawing

Modularer Überspannungs-Ableiter für TT- und TN-S-Systeme (3+1-Schaltung).

NEW

Type	DG MD TT 275
Part No.	**943 310**
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	grün / rot
Number of ports	1
Cross-sectional area (min.)	1,5 mm^2 ein- / feindrähtig
Cross-sectional area (max.) with stub wiring	35 mm^2 mehrdrähtig / 25 mm^2 feindrähtig
Cross-sectional area (max.) with “V-connection”	16 mm^2 mehrdrähtig / feindrähtig
For mounting on	35 mm DIN rails acc. to EN 60715
Enclosure material	Thermoplastic, red, UL 94 V-0
Place of installation	Indoor
Degree of protection	IP 20
Capacity	4 modules, DIN 43880 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	4013364522046
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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