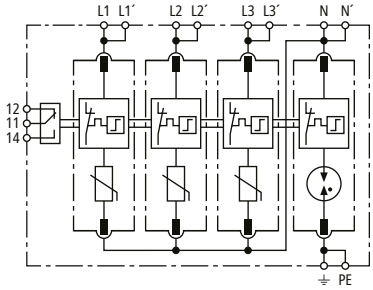
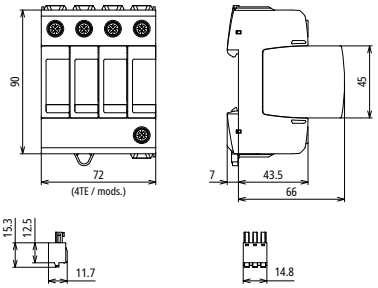
DG MD TT 320 FM (943 325)

- Prewired complete unit consisting of a base part with double screw connection and plug-in protection modules; with remote signalling contact connection
- 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 TT and TN-S systems (3+1 configuration); with floating remote signalling contact.

NEW

Type	DG MD TT 320 FM
Part No.	**943 325**
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)	320 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)	≤ 1.2 / ≤ 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})	25 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 flexible
Cross-sectional area (max.) with “V-connection”	16 mm^2 Stranded / flexible
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
Type of remote signalling contact	changeover contact

Technical data	
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
Extended technical data	
Lightning impulse current (10/350 µs) [N-PE] (I_{imp})	12 kA
Voltage protection level [L-PE] (U_p)	1.5 kV

Masterdata	
Net weight	230 g/pc(s)
GTIN	4013364522206
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.