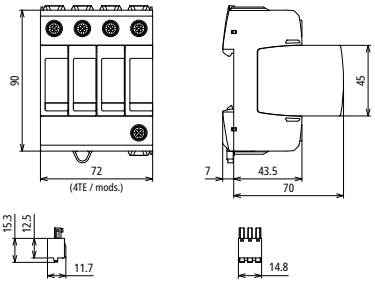
DEHNguard modular with Advanced Circuit Interruption (Safe Dimensioning)

DG MD TT ACI 275 FM (943341)

- Prewired complete unit consisting of a base part with double screw connection and plug-in protection modules; with remote signalling contact connection
- ACI switch / spark gap combination integrated in the protection module
- High device reliability due to „“Thermo Dynamic Control““ arrester monitoring and ACI technology
- No backup protection device required due to ACI technology
- Smaller connection cross-section of 6 mm² always sufficient





Dimension drawing

Modular surge arrester with Advanced Circuit Interruption (ACI) for TT and TN-S systems (3+1 configuration); with floating remote signalling contact.

NEW

Type	DG MD TT ACI 275 FM
Part No.	**943341**
SPD according to EN 61643-11 / IEC 61643-11	Type 2 / class II
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) [L-N] (I_n)	20 kA
Nominal discharge current (8/20 µs) [N-PE] (I_n)	80 kA
Max. discharge current (8/20 µs) [L-N] (I_{max})	40 kA
Max. discharge current (8/20 µs) [N-PE] (I_{max})	120 kA
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)	≤ 1,5 / ≤ 1,5 kV
Follow current extinguishing capability [N-PE] (I_{fi})	100 A_{eff}
Response time [L-N] (t_A)	≤ 100 ns
Response time [N-PE] (t_A)	≤ 100 ns
Additional external fuse necessary	No
Short-circuit withstand capability (I_{SCCR})	25 kA_{rms}
Max. mains-side overcurrent protection with “V-connection”	63 A gG
Max. mains-side overcurrent protection with stub wiring	none
Temporary overvoltage (TOV) [L-N] (U_T) – Characteristic	335 V / 5 sec. – withstand 440 V / 120 min. – withstand
Temporary overvoltage (TOV) [N-PE] (U_T) - Characteristic	1200 V / 200 ms – withstand
Leakage current	no leakage current
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 solid / flexible
Cross-sectional area (max.) with stub wiring	35 mm² stranded / 25 mm² flexible
Cross-sectional area (max.) with “V-connection”	16 mm² Stranded / flexible

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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

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
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 mm^2 solid / flexible

Masterdata	
Net weight	230 g/pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363030
GTIN	4013364477179
PU	1 pc(s)

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.