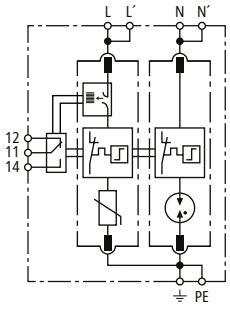
DEHNguard modular with Advanced Circuit Interruption (Safe Dimensioning)

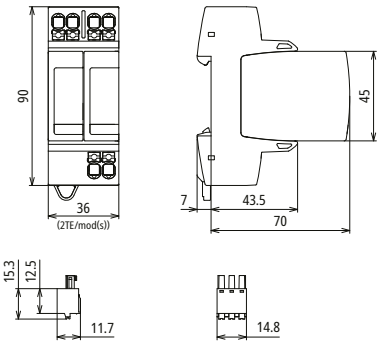
DG MP TN ACI 275 FM (942220)

- Prewired complete unit consisting of a base part with remote signalling contact connection with push-in connection terminal and plug-in protection modules
- 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 fuse necessary due to ACI technology
- Small cross-sectional area of 6 mm² always sufficient





Basic circuit diagram



Dimension drawing

Modular surge arrester with Advanced Circuit Interruption (ACI) for single-phase 230 V TN systems.

Type	DG MP TN ACI 275 FM
Part No.	**942220**
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 V (50 / 60 Hz)
Max. continuous operating voltage (a.c.) [L-PE] (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
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)	≤ 1.5 / ≤ 1.5 kV
Response time (t_A)	≤ 100 ns
Additional external fuse necessary	not required
Short-circuit withstand capability (I_{SCCR})	25 kA_{rms}
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)	none
Temporary overvoltage (U_T) – characteristic	335 V / 5 sec. – withstand 440 V / 120 min. – 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 6 mm² fine stranded
Cross-sectional area (max.)	10 mm² solid / fine stranded
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	2 Standard DIN module, DIN 43880
Approvals	KEMA, VDE
Type of remote signalling contact	changeover contact
Switching capacity (a.c.)	250 V / 0.5 A

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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

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

Masterdata	
Net weight	192.17 g/pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363030
GTIN	4013364495425
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.

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