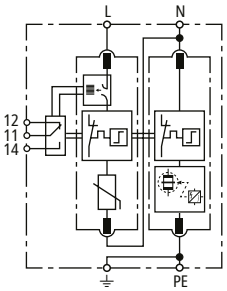
DEHNguard modular with Advanced Circuit Interruption (Safe Dimensioning)

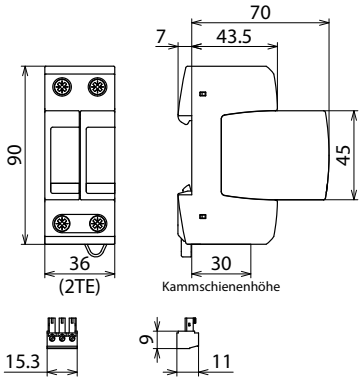
DG M TT 2P ACI 385 FM (952122)

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





Basic circuit diagram



Dimension drawing

Modular surge arrester with Advanced Circuit Interruption (ACI) for single-phase 230 V TT and TN systems (1+1 configuration).

Type	**DG M TT 2P ACI 385 FM**
Part No.	**952122**
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-N] (U_C)	385 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
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	not required
Short-circuit withstand capability (I_{SCCR})	25 kA_{rms}
Temporary overvoltage (TOV) [L-N] (U_T) – Characteristic	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.)	35 mm² stranded / 25 mm² flexible
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
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

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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

Cross-sectional area for remote signalling terminals	max. 1.5 mm² solid / flexible

Extended technical data

Max. prospective short-circuit current	50 kA_{rms}

Masterdata

Net weight	252 g/pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363030
GTIN	4013364387867
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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