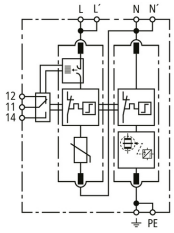
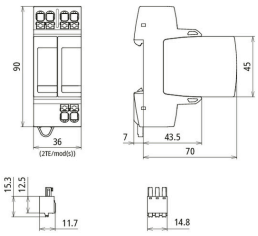
DG MP TT 2P ACI 385 FM (942 122)

- Prewired complete unit consisting of a base part and remote signalling contact connection with push-in connection system 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 suffices

Figure without obligation



Basic circuit diagram DG MP TT 2P ACI 385 FM



Dimension drawing DG MP TT 2P ACI 385 FM

Modular surge arrester with Advanced Circuit Interruption (ACI) for TT and TN systems (1+1 configuration).

Type Part No.	DG MP TT 2P ACI 385 FM 942 122
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 a.c. voltage (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) (I_n)	20 kA
Max. discharge current (8/20 µs) [L-N] (I_{max})	40 kA
Nominal load current for “V-connection” (I_L)	40 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
Response time [L-N] (t_A)	≤ 100 ns
Response time [N-PE] (t_A)	≤ 100 ns
Additional external fuse	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 (TOV) [L-N] (U_T) – Characteristic	335 V / 5 sec. – withstand
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 mm^2 solid
Cross-sectional area (min.)	6 mm^2 fine stranded
Cross-sectional area (max.)	10 mm^2 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 module(s), DIN 43880
Approvals	KEMA, VDE
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
Weight	203 g
Customs tariff number (Comb. Nomenclature EU)	85363030
GTIN	4013364495371

Type	DG MP TT 2P ACI 385 FM
Part No.	942 122
PU	1 pc(s)