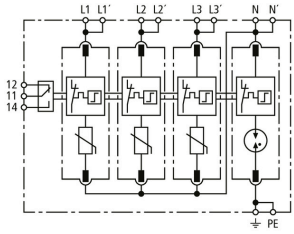
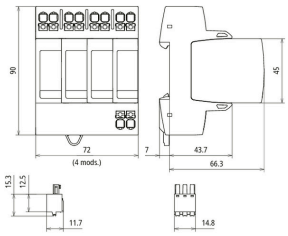
DG MP TT 150 FM (942 328)

- Prewired complete unit consisting of a base part and remote signalling contact connection with push-in connection system and plug-in protection modules
- High discharge capacity due to heavy-duty zinc oxide varistors / spark gaps
- High reliability due to "Thermo Dynamic Control" SPD monitoring device

Figure without obligation



Basic circuit diagram DG MP TT 150 FM



Dimension drawing DG MP TT 150 FM

Modular surge arrester for use in TT and TN-S systems (3+1 configuration); with floating remote signalling contact.

Type Part No.	DG MP TT 150 FM 942 328
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)	120 / 208 V (50 / 60 Hz)
Max. continuous operating voltage (a.c.) [L-N] (U_C)	150 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)	15 kA
Nominal discharge current (8/20 µs) [N-PE] (I_n)	20 kA
Max. discharge current (8/20 µs) (I_{max})	40 kA
Combination wave [L-N] (U_{OC})	20 kV
Combination wave [N-PE] (U_{OC})	6 kV
Nominal load current for “V-connection” (I_L)	40 A
Voltage protection level [L-N]/[N-PE] (U_P)	≤ 0.7 / ≤ 1.5 kV
Voltage protection level [L-N]/[N-PE] at 5 kA (U_P)	≤ 0.55 / ≤ 1.5 kV
Follow current extinguishing capability [N-PE] (I_{fi})	100 A_{rms}
Response time [L-N] (t_A)	≤ 25 ns
Response time [N-PE] (t_A)	≤ 100 ns
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)	125 A gG
Short-circuit withstand capability for max. mains-side overcurrent protection (I_{SCCR})	50 kA_{rms}
Temporary overvoltage (TOV) [L-N] (U_T) – Characteristic	175 V / 5 sec. – withstand
Temporary overvoltage (TOV) [L-N] (U_T) – Characteristic	230 V / 120 min. – safe failure
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
Cross-sectional area (min.)	6 mm^2 flexible
Cross-sectional area (max.)	10 mm^2 solid / flexible
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	4 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
Extended technical data:	----------
Lightning impulse current (10/350 µs) [N-PE] (I_{imp})	12 kA

Type Part No.	DG MP TT 150 FM 942 328
Voltage protection level [L-PE] (U_P)	1.5 kV
Weight	325 g
Customs tariff number (Comb. Nomenclature EU)	85363030
GTIN	4013364484856
PU	1 pc(s)