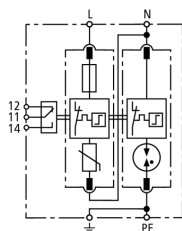


DG M TT 2P CI 275 FM (952 176)

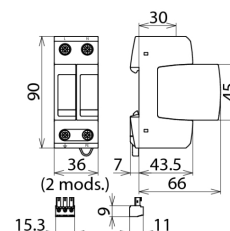
- Arrester backup fuse integrated in the protection module
- Prewired complete unit consisting of a base part and plug-in protection modules
- High reliability due to "Thermo Dynamic Control" SPD monitoring device



Figure without obligation



Basic circuit diagram DG M TT 2P CI 275 FM



Dimension drawing DG M TT 2P CI 275 FM

Modular surge arrester with integrated backup fuses for single-phase 230 V TT and TN systems ("1+1" circuits)

Type	DG M TT 2P CI 275 FM
Part No.	952 176
SPD according to EN 61643-11	Type 2
SPD according to IEC 61643-1/-11	Class II
Nominal a.c. voltage (U_N)	230 V
Max. continuous operating a.c. voltage [L-N] (U_C)	275 V
Max. continuous operating a.c. voltage [N-PE] (U_C)	255 V
Nominal discharge current (8/20 μ s) [L-N] (I_n)	12.5 kA
Nominal discharge current (8/20 μ s) [N-PE] (I_n)	20 kA
Max. discharge current (8/20 μ s) [L-N] (I_{max})	25 kA
Max. discharge current (8/20 μ s) [N-PE] (I_{max})	40 kA
Lightning impulse current (10/350 μ s) [N-PE] (I_{imp})	12 kA
Voltage protection level [L-N] (U_P)	≤ 1.5 kV
Voltage protection level [L-N] at 5 kA (U_P)	≤ 1 kV
Voltage protection level [N-PE] (U_P)	≤ 1.5 kV
Follow current extinguishing capability [N-PE] (I_e)	100 A _{rms}
Response time [L-N] (t_A)	≤ 25 ns
Response time [N-PE] (t_A)	≤ 100 ns
Max. mains-side overcurrent protection	not required
Short-circuit withstand capability	25 kA _{rms}
Temporary overvoltage (TOV) [L-N] (U_T)	335 V / 5 sec.
Temporary overvoltage (TOV) [N-PE] (U_T)	1200 V / 200 ms
TOV characteristic	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/flexible
Cross-sectional area (max.)	35 mm ² stranded/25 mm ² 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 module(s), DIN 43880
Approvals	KEMA, VDE
Type of remote signalling contact	changeover contact
a.c. switching capacity	250 V/0.5 A
d.c. switching capacity	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	260 g
Customs tariff number	85363030
GTIN	4013364128439
PU	1 pc(s)

We reserve the right to introduce changes in performance, configuration and technology, dimensions, weights and materials in the course of technical progress. The figures are shown without obligation.