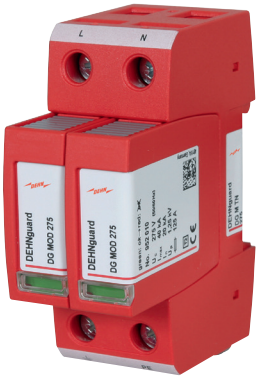
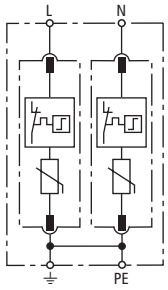
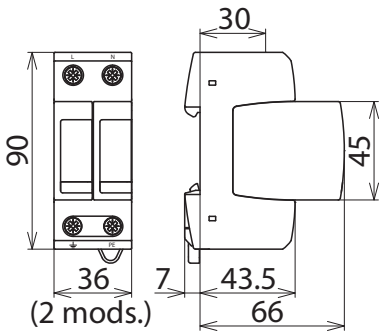
DG M TN 275 (952 200)

- Prewired complete unit consisting of a base part 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





Basic circuit diagram



Dimension drawing

Modular surge arrester for use in single-phase TN systems.

Type	DG M TN 275
Part No.	**952 200**
Technical data	
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 (AC) (U_C)	275 V (50 / 60 Hz)
Nominal discharge current (8/20 µs) (I_n)	20 kA
Max. discharge current (8/20 µs) (I_{max})	40 kA
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 / ≤ 1 kV
Response time (t_A)	≤ 25 ns
Max. mains-side overcurrent protection	125 A gG
Short-circuit withstand capability for max. mains-side overcurrent protection (I_{SCCR})	50 kA_{rms}
Temporary overvoltage (U_T) – characteristic	335 V / 5 sec. – Festigkeit 440 V / 120 min. – sicherer Ausfall
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 Standard DIN module, DIN 43880
Approvals	KEMA, VDE, UL, ATEX, IECEx
ATEX approvals	TÜV 22 ATEX 8929 X: II 3 G Ex ec IIC T4 Gc
IECEx approvals	IECEx TUR 22.0079X: Ex ec IIC T4 Gc
Arrester use at 16.7 Hz – traction power supply systems	
Test voltage AC (U_C)	275 V
Nominal AC voltage (U_N)	230 V
Nominal frequency AC (f_N)	16.7 Hz

Masterdata	
Net weight	228.6 g/pc(s)
GTIN	4013364108394
PU	1 pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363030

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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

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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