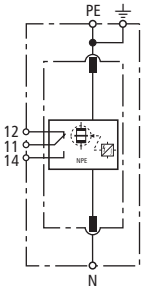
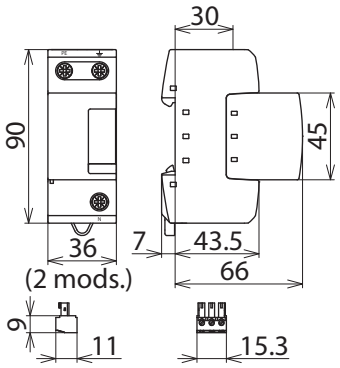
DGP M 255 FM (961 105)

- RADAX Flow spark gap technology
- Discharge capacity of 100 kA (10/350 µs)
- Total current arrester specifically designed for installation in „“3+1““ and „“1+1““ circuits of TT systems according to DIN VDE 0100-534 between neutral conductor N and protective conductor PE





Basic circuit diagram



Dimension drawing

Coordinated and modular single-pole N-PE lightning current arrester for U_C = 255 V; also available with remote signalling contact for the monitoring system (floating changeover contact).

Type	DGP M 255 FM
Part No.	**961 105**
SPD according to EN 61643-11 / IEC 61643-11	type 1 / class I
Max. continuous operating voltage (AC) (U_C)	255 V (50 / 60 Hz)
Lightning impulse current (10/350 µs) (I_{imp})	100 kA
Specific energy (W/R)	2.50 MJ/ohms
Voltage protection level (U_p)	≤ 1.5 kV
Follow current extinguishing capability (a.c.) (I_{fi})	100 A_{eff}
Response time (t_A)	≤ 100 ns
Temporary overvoltage (TOV)	1200 V / 200 ms
Temporary overvoltage (U_T) – characteristic	1200 V / 200 ms – withstand
Operating temperature range (parallel connection) (T_{UP})	-40 °C ... +80 °C
Operating temperature range (through-wiring) (T_{US})	-40 °C ... +60 °C
Operating state / fault indication	green / red
Number of ports	1
Cross-sectional area (N, PE,) (min.)	10 mm² solid / flexible
Cross-sectional area (N, PE) (max.)	50 mm² stranded / 35 mm² 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	VDE, KEMA, UL
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 mm² solid / flexible

Masterdata	
Net weight	320 g/pc(s)
GTIN	4013364118683
PU	1 pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363030

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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: 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