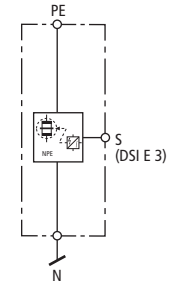
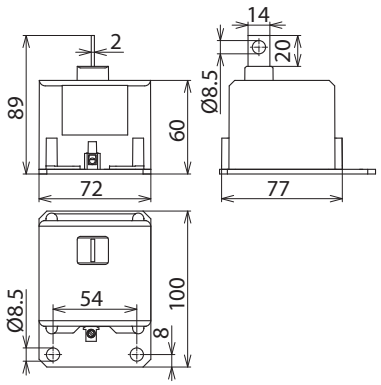
DGPM 1 255 S (900 050)

- 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 single-pole N-PE lightning current arrester for busbars.

Type	DGPM 1 255 S
Part No.	**900 050**
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)	≤ 2.5 kV (including 80 cm connecting cable)
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 (T_U)	-40 °C ... +80 °C
Number of ports	1
For mounting on	N busbars, min. 35 mm²
Connection	via cable lug, min. 35 mm² / max. 50 mm²
Monitoring	via DEHNsignal DSI E 3
Connection for DSI E 3 (S) (min.)	1 mm² solid / flexible
Connection for DSI E 3 (S) (max.)	2.5 mm² solid / flexible
Enclosure material	thermoplastic, red, UL 94 V-0
Place of installation	indoor installation
Dimensions (B x H x D)	72 x 89 x 100 mm

Masterdata	
Net weight	507 g/pc(s)
GTIN	4013364107496
PU	1 pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363090

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