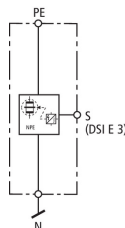


## DGPM 1 255 S (900 050)

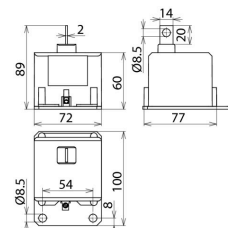
- Discharge capacity up to 100 kA (10/350  $\mu$ s)
- Total current arrester specifically designed for installation in "3+1" and "1+1" circuits of TT systems according to IEC 60364-5-53 between neutral conductor N and protective conductor PE
- Creepage discharge spark gap technology



Figure without obligation



Basic circuit diagram DGPM 1 255 S



Dimension drawing DGPM 1 255 S

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 (a.c.) ( $U_c$ )	255 V (50 / 60 Hz)
Lightning impulse current (10/350 $\mu$ s) ( $I_{imp}$ )	100 kA
Specific energy (W/R)	2.50 MJ/ohms
Voltage protection level ( $U_p$ )	$\leq 2.5$ kV (including 80 cm connecting cable)
Follow current extinguishing capability (a.c.) ( $I_n$ )	100 A <sub>rms</sub>
Response time ( $t_a$ )	$\leq 100$ ns
Temporary overvoltage (TOV) ( $U_T$ ) – 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 mm <sup>2</sup>
Connection	via cable lug, min. 35 mm <sup>2</sup> / max. 50 mm <sup>2</sup>
Operating state monitoring	via DEHNsignal DSI E 3
Connection for DSI E 3 (S) (min.)	1 mm <sup>2</sup> solid / flexible
Connection for DSI E 3 (S) (max.)	2.5 mm <sup>2</sup> solid / flexible
Enclosure material	thermoplastic, red, UL 94 V-0
Place of installation	indoor installation
Dimensions (W x H x D)	72 x 89 x 100 mm
Weight	507 g
Customs tariff number (Comb. Nomenclature EU)	85363030
GTIN	4013364107496
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.