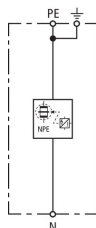


## DGPM 1 255 (961 180)

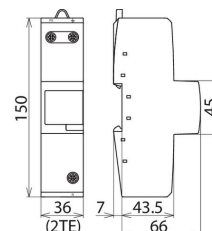
- Discharge capacity up to 100 kA (10/350  $\mu$ s)
- Total current arrester specifically designed for installation in conjunction with DEHNvenCI in "3+1" and "1+1" circuits of TT systems according to IEC 60364-5-53 between neutral conductor N and protective conductor PE
- Creepage discharge spark gap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



Figure without obligation



Basic circuit diagram DGPM 1 255



Dimension drawing DGPM 1 255

Coordinated single-pole N-PE lightning current arrester for  $U_C = 255$  V.

| Type   | DGPM 1 255  |
|--|---|
| Part No.   | 961 180   |
| SPD according to EN 61643-11 / IEC 61643-11                    | type 1 + type 2 / class I + class II                      |
| 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 ( $U_P$ )                             | $\leq 1.5$ kV   |
| Follow current extinguishing capability (a.c.) ( $I_{fi}$ )    | 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 (parallel connection) ( $T_{UP}$ ) | -40 °C ... +80 °C   |
| Operating temperature range (series connection) ( $T_{US}$ )   | -40 °C ... +60 °C   |
| Operating state / fault indication                             | green / red   |
| Number of ports  | 1   |
| Cross-sectional area (N, PE, $\pm$ ) (min.)                    | 10 mm <sup>2</sup> solid / flexible                       |
| Cross-sectional area (N, PE) (max.)                            | 50 mm <sup>2</sup> stranded / 35 mm <sup>2</sup> flexible |
| Cross-sectional area ( $\pm$ ) (max.)                          | 35 mm <sup>2</sup> stranded / 25 mm <sup>2</sup> 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  |
| Weight   | 370 g   |
| Customs tariff number (Comb. Nomenclature EU)                  | 85363090  |
| GTIN   | 4013364157323   |
| 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.