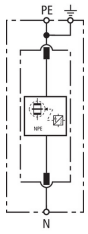
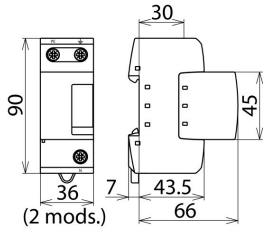
DGP M 255 (961 101)

- 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

Figure without obligation



Basic circuit diagram DGP M 255



Dimension drawing DGP M 255

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 Part No.	DGP M 255 961 101
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 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_{rms}
Response time (t_A)	≤ 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, ⏚) (min.)	10 mm^2 solid / flexible
Cross-sectional area (N, PE) (max.)	50 mm^2 stranded / 35 mm^2 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 module(s), DIN 43880
Approvals	VDE, KEMA, UL
Weight	315 g
Customs tariff number (Comb. Nomenclature EU)	85363030
GTIN	4013364118676
PU	1 pc(s)