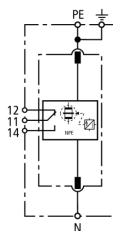


DGP M 255 FM (961 105)

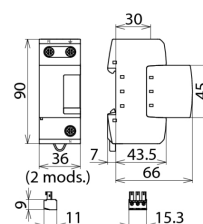
- Discharge capacity up to 100 kA (10/350 μ s)
- Total current arrester specifically designed for installation in "3+1" and "1+1" circuits of TT systems according to IEC 60364-5-53 between neutral conductor N and protective conductor PE
- Creepage discharge spark gap technology



Figure without obligation



Basic circuit diagram DGP M 255 FM



Dimension drawing DGP M 255 FM

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 (a.c.) (U_c)	255 V (50 / 60 Hz)
Lightning impulse current (10/350 μ s) (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_f)	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, \pm) (min.)	10 mm ² solid / flexible
Cross-sectional area (N, PE) (max.)	50 mm ² stranded / 35 mm ² flexible
Cross-sectional area (\pm) (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
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 mm ² solid / flexible
Weight	320 g
Customs tariff number (Comb. Nomenclature EU)	85363030
GTIN	4013364118683
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.