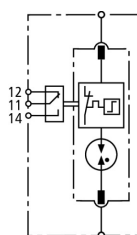


## DGP C S FM (952 035)

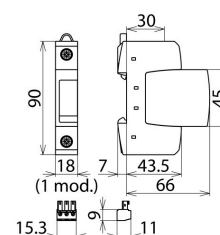
- Specifically designed for use in "3+1" and "1+1" circuits of TT systems according to IEC 60364-5-53 between neutral conductor N and protective conductor PE
- High discharge capacity
- Two-part surge arrester consisting of a base part and plug-in spark-gap based protection module



Figure without obligation



Basic circuit diagram DGP C S FM



Dimension drawing DGP C S FM

N-PE surge arrester; FM version with floating remote signalling contact.

Type	DGP C S FM
Part No.	952 035
SPD according to EN 61643-11 / IEC 61643-11	type 2 / class II
Energy coordination with terminal equipment ( $\leq 10$ m)	type 2 + type 3
Max. continuous operating voltage (a.c.) ( $U_c$ )	255V (50 / 60 Hz)
Nominal discharge current (8/20 $\mu$ s) ( $I_n$ )	20 kA
Max. discharge current (8/20 $\mu$ s) ( $I_{max}$ )	40 kA
Follow current extinguishing capability ( $I_f$ )	100 A <sub>rms</sub>
Lightning impulse current (10/350 $\mu$ s) ( $I_{imp}$ )	12 kA
Voltage protection level ( $U_p$ )	$\leq 1.5$ kV
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
Operating state / fault indication	green / red
Number of ports	1
Cross-sectional area (min.)	1.5 mm <sup>2</sup> solid / flexible
Cross-sectional area (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	1 module(s), DIN 43880
Approvals	KEMA, VDE, 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 <sup>2</sup> solid / flexible

### Arrester use at 16.7 Hz – traction power supply systems

Type	DGP C S FM
Part No.	952 035
– Test voltage AC ( $U_c$ )	255 V
– Nominal frequency AC ( $f_N$ )	16.7 Hz
Weight	114 g
Customs tariff number (Comb. Nomenclature EU)	85363030
GTIN	4013364108547
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.