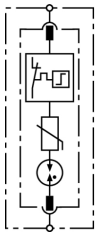
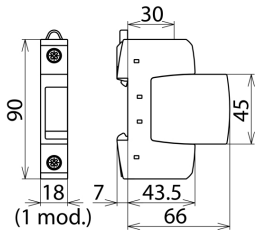
DG S 275 VA (952 082)

- Multi-purpose surge arrester consisting of a base part and a plug-in protection module
- Leakage-current-free series connection of a varistor and a spark gap in the pluggable protection module
- High reliability due to "Thermo Dynamic Control" SPD monitoring device

Figure without obligation



Basic circuit diagram DG S 275 VA



Dimension drawing DG S 275 VA

Modular single-pole surge arrester with a varistor connected in series with a spark gap in a pluggable protection module.

Type Part No.	DG S 275 VA 952 082
SPD according to EN 61643-11 / IEC 61643-11	type 2 / class II
Energy coordination with terminal equipment (≤ 10 m)	type 2 + type 3
Nominal voltage (a.c.) (U_N)	230 V (50 / 60 Hz)
Max. continuous operating voltage (a.c.) (U_C)	275V (50 / 60 Hz)
Max. continuous operating voltage (d.c.) (U_C)	350 V
Nominal discharge current (8/20 µs) (I_n)	10 kA
Max. discharge current (8/20 µs) (I_{max})	20 kA
Voltage protection level (U_P)	≤ 1.5 kV
Response time (t_A)	≤ 100 ns
Max. mains-side overcurrent protection	100 A gG
Short-circuit withstand capability for max. mains-side overcurrent protection (I_{SCCR})	25 kA_{rms}
Temporary overvoltage (TOV) (U_T) – Characteristic	440 V / 120 min. – 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^2 solid / 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	1 module(s), DIN 43880

Arrester use at 16.7 Hz – traction power supply systems

Type Part No.	DG S 275 VA 952 082
– Test voltage AC (U_C)	275 V
– Nominal AC voltage (U_N)	230 V
– Nominal frequency AC (f_N)	16.7 Hz
Weight	113 g
Customs tariff number (Comb. Nomenclature EU)	85363030
GTIN	4013364127319
PU	1 pc(s)