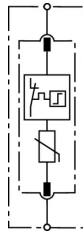


**DG S 48 (952 078)**

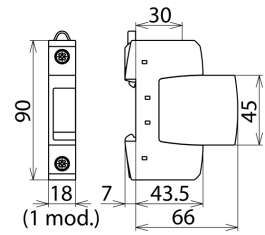
- Multi-purpose surge arrester consisting of a base element and a plug-in protection module
- High discharge capacity due to heavy-duty zinc oxide varistor
- High reliability due to "Thermo Dynamic Control" SPD monitoring device



Figure without obligation



Basic circuit diagram DG S 48



Dimension drawing DG S 48

Pluggable single-pole surge arrester consisting of a base part and a plug-in protection module.

Type Part No.	DG S 48 952 078
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 <sub>N</sub> )	42 V (50 / 60 Hz)
Max. continuous operating voltage (a.c.) (U <sub>C</sub> )	48V (50 / 60 Hz)
Max. continuous operating voltage (d.c.) (U <sub>C</sub> )	60 V
Nominal discharge current (8/20 μs) (I <sub>n</sub> )	7.5 kA
Max. discharge current (8/20 μs) (I <sub>max</sub> )	25 kA
Voltage protection level (U <sub>P</sub> )	≤ 0.33 kV
Response time (t <sub>A</sub> )	≤ 25 ns
Max. mains-side overcurrent protection	125 A gG
Short-circuit withstand capability for max. mains-side overcurrent protection (I <sub>SCCR</sub> )	50 kA <sub>rms</sub>
Temporary overvoltage (TOV) (U <sub>T</sub> ) – Characteristic	70 V / 5 sec. – withstand
Temporary overvoltage (TOV) (U <sub>T</sub> ) – Characteristic	90 V / 120 min. – safe failure
Operating temperature range (T <sub>U</sub> )	-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
Weight	109 g
Customs tariff number	85363030
GTIN	4013364119468
PU	1 Stk

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.