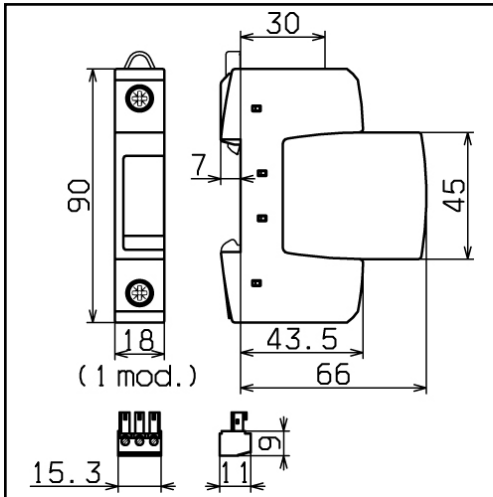
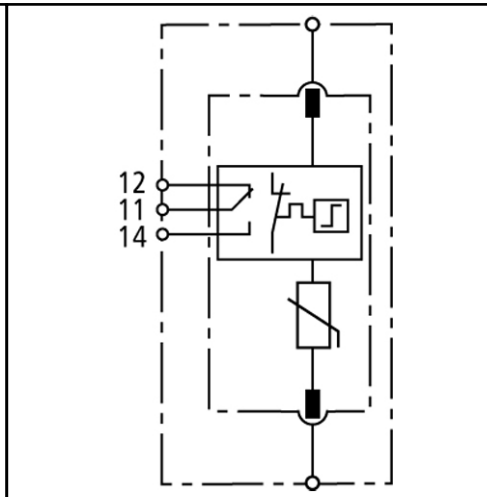


## SPDS TYPE 2

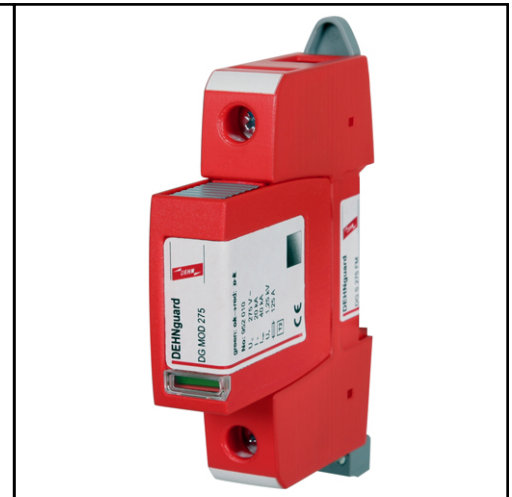
## DG S 320 FM



Dimension drawing DG S ... FM



Basic circuit diagram DG S ... FM



DG S ... FM: Single-pole pluggable surge arrester consisting of a base part and plug-in protection module; with floating remote signalling contact

- High discharge capacity due to powerful zinc oxide varistor
- Quick response
- Universal surge arrester, consisting of a base element and plug-in protection component
- High reliability due to "Thermo Dynamic Control" SPD controlling device
- Energy-coordinated within the Red/Line product family
- Operating state/fault indication by mark in the inspection window, with floating remote signalling contact
- Small (modular) design according to DIN 43880
- Multifunctional terminals for connection of conductors and busbars
- Easy replacing of protection modules with releasing button

## DG S 320 FM

SPD according to EN 61643-11	Type 2
SPD according to IEC 61643-1	Class II
Max. continuous ac voltage [U <sub>C</sub> ]	320 V
Max. continuous dc voltage [U <sub>C</sub> ]	420 V
Nominal discharge current (8/20 μs) [I <sub>n</sub> ]	20 kA
Max. discharge current (8/20 μs) [I <sub>max</sub> ]	40 kA
Voltage protection level [U <sub>p</sub> ]	≤ 1.5 kV
Voltage protection level at 5 kA [U <sub>p</sub> ]	≤ 1.2 kV
Response time [t <sub>A</sub> ]	≤ 25 ns
Max. mains-side overcurrent protection	125 A gL/gG
Short circuit withstand capability at max. mains-side overcurrent protection	25 kA <sub>rms</sub>
TOV voltage [U <sub>T</sub> ]	335 V / 5 sec.
Operating temperature range [T <sub>U</sub> ]	-40°C...+80°C
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
Mounting on	35 mm DIN rail acc. to EN 60715
Enclosure material	red thermoplastic, UL 94 V-0
Degree of protection	IP 20
Dimension	1 mod., DIN 43
Approvals, Certifications	KEMA, VDE
Type of remote signalling contact	changeover contact
Switching capacity ac	250 V/0.5 A

<b>Switching capacity dc</b>	250 V/0.1 A; 125 V/0.2 A; 75 V/0.5 A
<b>Cross-sectional area for remote signalling terminals</b>	max. 1.5 mm <sup>2</sup> solid/flexible
<b>Ordering information</b>	
<b>Type</b>	DG S 320 FM
<b>Part No.</b>	<b>952 093</b>
<b>Packing unit</b>	1 pcs.

Change in form and technology, with masses, weights and materials we reserve ourselves in the sense of the progress of the technology. The illustrations are noncommittal.