

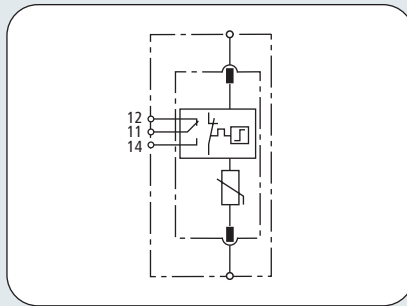
DEHNguard® S

DEHNguard S 275 FM

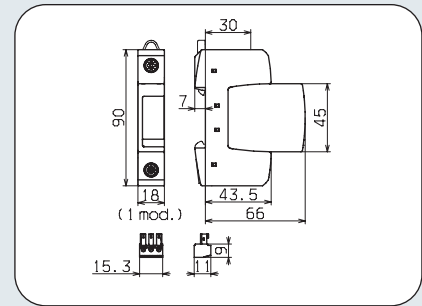
POWER SUPPLY SYSTEMS

SURGE ARRESTERS – TYPE 2

NEW



Basic circuit diagram DG S 275 FM



Dimension drawing DG S 275 FM

DG S 275 (FM): Single-pole, pluggable surge arrester, consisting of a base part and plug-in protection module

	DG S 275	DG S 275 FM
SPD according to EN 61643-11	Type 2	Type 2
SPD according to IEC 61643-1	Class II	Class II
Max. continuous ac voltage U_C	275 V	275 V
Max. continuous dc voltage U_C	350 V	350 V
Nominal discharge current (8/20 μ s) I_n	20 kA	20 kA
Max. discharge current (8/20 μ s) I_{max}	40 kA	40 kA
Voltage protection level U_P	≤ 1.25 kV	≤ 1.25 kV
Voltage protection level at 5 kA U_P	≤ 1 kV	≤ 1 kV
Response time t_A	≤ 25 ns	≤ 25 ns
Max. mains-side overcurrent protection	125 A gL/gG	125 A gL/gG
Short circuit withstand capability at max. mains-side overcurrent protection	50 kA _{rms}	50 kA _{rms}
TOV voltage U_T	335 V / 5 sec.	335 V / 5 sec.
Operating temperature range T_U	-40°C...+80°C	-40°C...+80°C
Cross-sectional area (min.)	1,5 mm ² solid/flexible	1,5 mm ² solid/flexible
Cross-sectional area (max.)	35 mm ² stranded/25 mm ² flexible	35 mm ² stranded/25 mm ² flexible
Mounting on	35 mm DIN rail acc. to EN 60715	35 mm DIN rail acc. to EN 60715
Enclosure material	red thermoplastic, UL 94 V-0	red thermoplastic, UL 94 V-0
Degree of protection	IP 20	IP 20
Dimension	1 mod., DIN 43880	1 mod., DIN 43880
Type of remote signalling contact	—	changeover contact
Switching capacity ac	—	250 V/0.5 A
Switching capacity dc	—	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
Ordering information		
Type	DG S 275	DG S 275 FM
Part No.	952 070	952 090
Packing unit	1 pc(s)	1 pc(s)

Accessory Part for DEHNguard® S

NEW

Varistor-Based Protection Module

for DEHNguard M ... and DEHNguard S ... surge arresters



Type	DG MOD 275		
Nominal discharge current (8/20 μ s) I_n	20 kA		
Max. continuous ac voltage U_C	275 V		
Max. continuous dc voltage U_C	350 V		
Type	PU	Part No.	
DG MOD 275	1	952 010	