POWER SUPPLY SYSTEMS

SPDS TYPE 2

90

DG M TNS 275 FM

Basic circuit diagram DG M TNS ... FM

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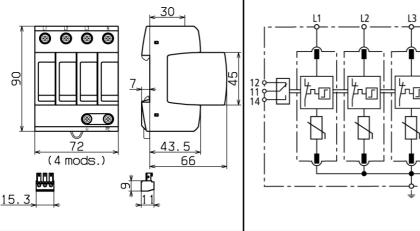




DEHNguard® modular

- Complete prewired unit for use in TNS systems, consisting of a base part and plug-in protection • modules
- Energy coordination within the Red/Line product family •
- High discharge capacity due to powerful zinc oxide varistors
- High reliability due to "Thermo Dynamic Control" SPD monitoring device .
- Operating state/fault indication of every protective circuit
- Multifunctional terminals for connecting conductors and busbars •
- Easy replacement of protection modules without tools by module locking system with release button ٠
- Tested for vibration- and shock-proofness acc. to EN 60068-2

/pe of SPD according to EN 61643-11		
	Type 2	
PD according to IEC 61643-1	Class II	
ominal a.c. voltage [U _{N]}	230/400 V	
ax. continuous operating a.c. voltage [U _{C]}	275 V	
ominal discharge current (8/20 μs) [I _{n]}	20 kA	
ax. discharge current (8/20 μs) [I _{max]}	40 kA	
oltage protection level [U _{P]}	≤ 1.25 kV	
oltage protection level for 5 kA [U _{P]}	≤ 1 kV	
esponse time [t _{A]}	≤ 25 ns	
ax. mains-side overcurrent protection	125 A gL/gG	
nort circuit withstand capability for max. mains-side overcurrent rotection	50 kA _{rms}	
emporary overvoltage (TOV) [U _{T]}	335 V / 5 sec.	
perating temperature range [T _{U]}	-40°C+80°C	
perating state/fault indication	green / red	
ross-sectional area (min.)	1.5 mm ² solid/flexible	
ross-sectional area (max.)	35 mm ² stranded/25 mm ² flexible	
or mounting on	35 mm DIN rail acc. to EN 60715	
nclosure material	red thermoplastic, UL 94 V-0	
egree of protection	IP 20	
imension	4 mods., DIN 4	
pprovals, Certifications	KEMA, VDE, UL, VdS	
/pe of remote signalling contact	changeover contact	



Dimension drawing DG M TNS ... FM

DG M TNS ... (FM): Modular surge arrester for use in TN-S systems

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 ² solid/flexible	
Ordering information		
	DG M TNS 275 FM	
Ordering information	DG M TNS 275 FM 952 405	

We reserve the right to modify design, technology, dimensions, weights and materials according to technical progress. Illustrations are non-binding. Pictures may differ from the modules described.