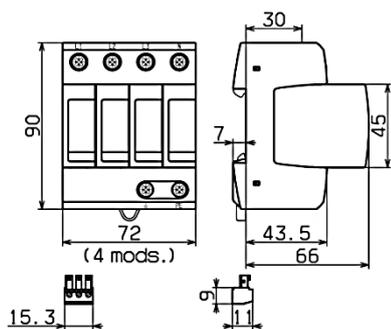


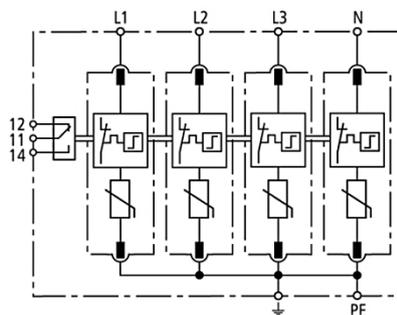
POWER SUPPLY SYSTEM

SURGE ARRESTERS – TYPE 2

S-DG M TNS 275



Dimension Drawing



Basic circuit diagram



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

- 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
- Tested for vibration- and shock-proofness acc. to EN 60068-2

Model	S-DG M TNS 275
Type of SPD according to EN 61643-11	Type 2 / Class II
Nominal a.c. voltage U_n	230/400 V
Max. continuous operating a.c. voltage U_c	275 V
Nominal discharge current (8/20 μ s) I_n	20 kA
Max. discharge current (8/20 μ s) I_{max}	40 kA
Voltage protection level U_p	≤ 1.25 kV
Voltage protection level for 5 kA U_p	≤ 1 kV
Max. mains-side overcurrent protection	125 A gL/gG
Short circuit withstand capability for mains-side overcurrent protection with 25 A gL/gG	50 kArms
Temporary overvoltage (TOV) U_T	335 V / 5 sec.
Operating temperature range T_u	-40°C...+80°C
Operating state/fault indication	green / red
Degree of protection	IP 20
Approvals, Certifications	KEMA, VDE, UL, VdS