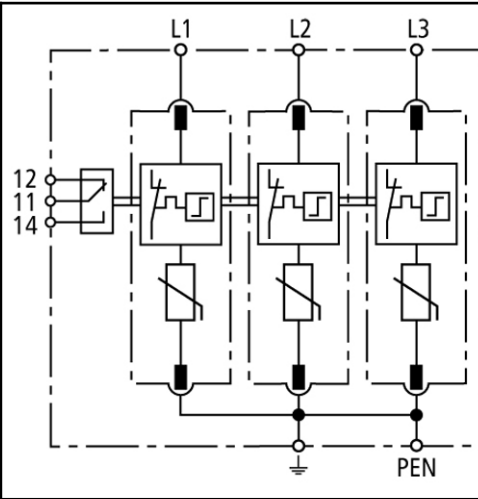


Dimension drawing DG M WE ... FM



Basic circuit diagram DG M WE ... FM



DG M WE ... (FM): 3-pole modular surge arrester for use in wind turbines

- Complete prewired unit for use in wind turbines
- Allows for temporary voltage fluctuations due to increased rated varistor voltage U_{mov}
- 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
- Allows for easy replacing of protection modules without tools due to module locking system with releasing button
- Tested for vibration- and shock-proofness acc. to EN 60068-2

DG M WE 600	
Type of SPD according to EN 61643-11	Type 2
SPD according to IEC 61643-1	Class II
Nominal a.c. voltage [U _{SN}]	600 V
Max. continuous operating a.c. voltage [U _{SC}]	600 V
Rated voltage of varistor [U _{mov}]	750 V
Nominal discharge current (8/20 μs) [I _{sn}]	15 kA
Max. discharge current (8/20 μs) [I _{smax}]	25 kA
Voltage protection level [U _{SP}]	≤ 3 kV
Voltage protection level for 5 kA [U _{5kA}]	≤ 2.5 kV
Response time [t _{SA}]	≤ 25 ns
Max. mains-side overcurrent protection	100 A gL/gG
Short circuit withstand capability for max. mains-side overcurrent protection	25 kA _{rms}
Temporary overvoltage (TOV) [U _T]	900 V / 5 sec.
Operating temperature range [T _{SU}]	-40°C...+80°C
Operating state/fault indication	green / red
Cross-sectional area (min.)	1.5 mm ² solid/flexible
Cross-sectional area (max.)	35 mm ² stranded/25 mm ² flexible
For mounting on	35 mm DIN rail acc. to EN 60715
Enclosure material	red thermoplastic, UL 94 V-0
Degree of protection	IP 20
Dimension	3 mods., DIN 4
Approvals, Certifications	KEMA, UL, VdS
Ordering information	
Type	DG M WE 600

Part No.
Packing unit

952 302
1 pcs.

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.