



Dimension drawing DR M 2P ... FM

Basic circuit diagram DR M 2P ... FM

DR M 2P ...: Two-pole surge arrester consisting of a base element and plug-in protection module

- Two-pole surge arrester consisting of a base element and plug-in protection module
- High discharge capacity due to powerful zinc oxide varistor/spark gap combination
- Energy-coordinated within the Red/Line product family
- Operating state/fault indication by mark in the inspection window
- Small (modular) design acc. to DIN 43880
- Easy exchange of protection modules without tools by module locking system with releasing button
- Tested for vibration- and shock-proofness acc. to EN 60068-2

DR M 2P 255

SPD according to EN 61643-11	Type 3
SPD according to IEC 61643-1	Class III
Nominal ac voltage [U _N]	230 V
Max. continuous ac voltage [U _C]	255 V
Max. continuous dc voltage [U _C]	255 V
Nominal load current ac [I _L]	25 A
Nominal discharge current (8/20 μs) [L-N] [I _n]	3 kA
Nominal discharge current (8/20 μs) [L+N-PE] [I _n]	5 kA
Combined impulse [L-N] [U _{OC}]	6 kV
Combined impulse [L+N-PE] [U _{OC}]	10 kV
Voltage protection level [L-N] [U _p]	≤ 1250 V
Voltage protection level [L/N-PE] [U _p]	≤ 1500 V
Response time [L-N] [t _A]	≤ 25 ns
Response time [L/N-PE] [t _A]	≤ 100 ns
Max. mains-side overcurrent protection	25 A gL/gG or B 25 A
Short circuit withstand capability at mains-side overcurrent protection with 25 A gL/gG	6 kA _{rms}
TOV voltage [L-N] [U _T]	335 V / 5 sec.
TOV voltage [L/N-PE] (I) [U _T]	400 V / 5 sec.
TOV voltage [L+N-PE] (II) [U _T]	1200 V + U ₀ / 20
Operating temperature range [T _U]	-40°C...+80°C
Cross-sectional area (min.)	0.5 mm ² solid/flexible
Cross-sectional area (max.)	4 mm ² stranded/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 43880
Ordering information	
Type	DR M 2P 255
Part No.	953 200
Packing unit	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.