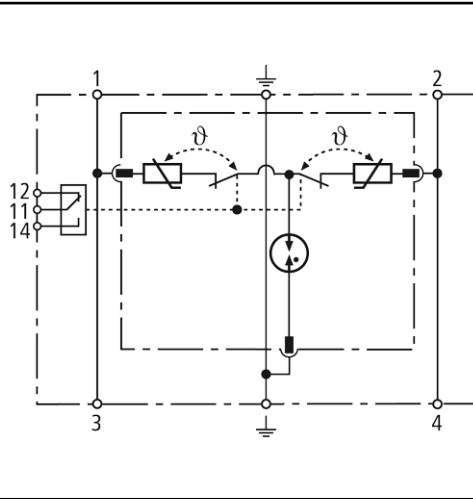


Dimension drawing DR M 2P ... FM



Basic circuit diagram DR M 2P ... FM



DR M 2P ... FM: Two-pole surge arrester consisting of a base element and plug-in protection module; with floating remote signalling contact

- 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
- With floating remote signalling contact
- Small (modular) design acc. to DIN 43880
- 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

DR M 2P 255 FM

SPD according to EN 61643-11	Type 3
SPD according to IEC 61643-1	Class III
Nominal a.c. voltage [U _N]	230 V
Max. continuous operating a.c. voltage [U _C]	255 V
Max. continuous operating d.c. voltage [U _C]	255 V
Nominal load current a.c. [I _L]	25 A
Nominal discharge current (8/20 μs) [I _n]	3 kA
Total discharge current (8/20 μs) [L+N-PE] [I _{total}]	5 kA
Combined impulse [U _{OC}]	6 kV
Combined impulse [L+N-PE] [U _{OC total}]	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 for mains-side overcurrent protection with 25 A gL/gG	6 kA _{rms}
Temporary overvoltage (TOV) [L-N] [U _T]	335 V / 5 sec.
Temporary overvoltage (TOV) [L/N-PE] (I) [U _T]	400 V / 5 sec.
Temporary overvoltage (TOV) [L+N-PE] (II) [U _T]	1200 V + U ₀ / 200 ms
Operating temperature range [T _U]	-40°C...+80°C
Operating state/fault indication	green / red
Cross-sectional area (min.)	0.5 mm ² solid/flexible
Cross-sectional area (max.)	4 mm ² solid/2.5 mm ² flexible
For mounting on	35 mm DIN rail acc. to EN 60715

Enclosure material	thermoplastic, red, UL 94 V-0
Degree of protection	IP 20
Dimension	1 mod., DIN 43880
Approvals, Certifications	KEMA, VDE, UL, VdS, CSA
Type of remote signalling contact	changeover contact
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	
Type	DR M 2P 255 FM
Part No.	953 205
Packing unit	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.