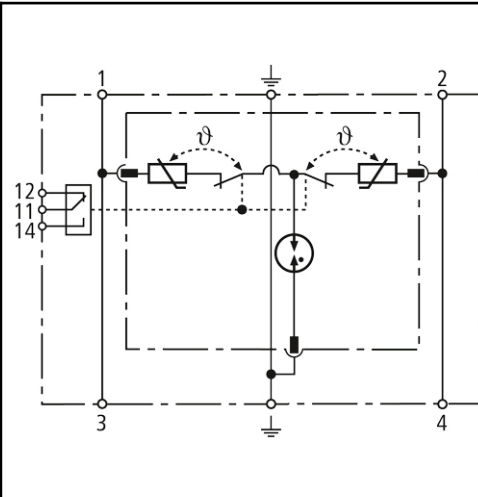


Dimension drawing DR M 2P ... FM



Basic circuit diagram DR M 2P ... FM



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

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 _{A1}]	≤ 25 ns
Response time [L/N-PE] [t _{A1}]	≤ 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] [U _T]	400 V / 5 sec.
Temporary overvoltage (TOV) [L+N-PE] [U _T]	1200 V + U ₀ / 20
TOV characteristics [L-N]	withstand
TOV characteristics [L/N-PE]	withstand
TOV characteristics [L+N-PE]	failure
Operating temperature range [T _U]	-40°C...+80°C
Operating state/fault indication	green / red

Number of ports	1
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
Location category	indoor
Degree of protection	IP 20
Capacity	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 pc

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.