



Dimension drawing DR M 2P ...

Basic circuit diagram DR M 2P ...

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 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 30

SPD according to EN 61643-11	Type 3
SPD according to IEC 61643-1	Class III
Nominal a.c. voltage [U _N]	24 V
Max. continuous operating a.c. voltage [U _C]	30 V
Max. continuous operating d.c. voltage [U _C]	30 V
Nominal load current a.c. [I _L]	25 A
Nominal discharge current (8/20 μs) [I _n]	1 kA
Total discharge current (8/20 μs) [L+N-PE] [I _{total}]	2 kA
Combined impulse [U _{OC}]	2 kV
Combined impulse [L+N-PE] [U _{OC total}]	4 kV
Voltage protection level [L-N] [U _{pl}]	≤ 180 V
Voltage protection level [L/N-PE] [U _{pl}]	≤ 630 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}
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

Ordering information

Type	DR M 2P 30
Part No.	953 201
Packing unit	1 pce

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.