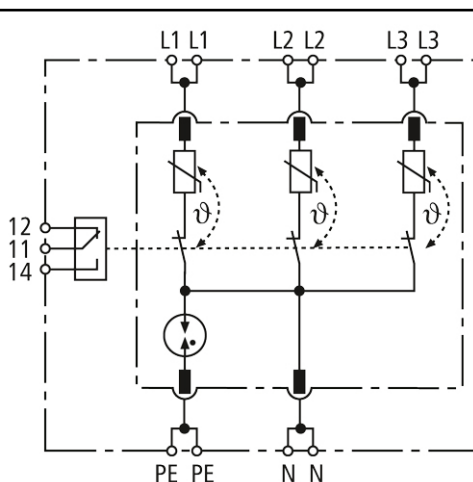


Dimension drawing DR M 4P ... FM



Basic circuit diagram DR M 4P ... FM



DR M 4P ... (FM): Four-pole surge arrester consisting of a base element and plug-in protection module; also available with floating remote signalling contact

- **Four-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**
- **Allows for easy replacement of protection modules without the use of tools due to module locking system with releasing button**
- **Nominal load current 25 A**

DR M 4P 255 FM	
SPD according to EN 61643-11	Type 3
SPD according to IEC 61643-1	Class III
Nominal a.c. voltage $[U_N]$	230/400 V
Max. continuous operating a.c. voltage $[U_C]$	255/440 V
Nominal load current a.c. $[I_L]$	25 A
Nominal discharge current (8/20 μ s) $[I_n]$	3 kA
Total discharge current (8/20 μ s) $[L+N-PE]$ $[I_{total}]$	8 kA
Combined impulse $[U_{OC}]$	6 kV
Combined impulse $[L+N-PE]$ $[U_{OC total}]$	16 kV
Voltage protection level $[L-N]$ $[U_p]$	≤ 1000 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 / 20
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	red thermoplastic, UL 94 V-0
Degree of protection	IP 20
Dimension	2 mods., DIN 43880
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 4P 255 FM
Part No.	953 405
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.