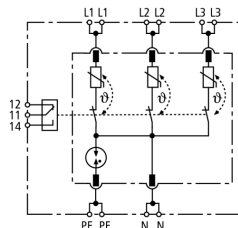


## DR M 4P 255 FM (953 405)

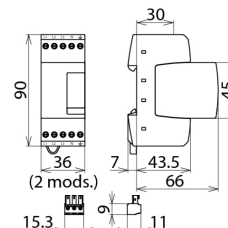
- Four-pole surge arrester consisting of a base element and plug-in protection module
- High discharge capacity due to heavy-duty zinc oxide varistor/spark gap combination
- Energy coordination with other arresters of the Red/Line product family



Figure without obligation



Basic circuit diagram DR M 4P 255 FM



Dimension drawing DR M 4P 255 FM

Four-pole surge arrester consisting of a base part and plug-in protection module; FM version with floating remote signalling contact

Type	DR M 4P 255 FM
Part No.	953 405
SPD according to EN 61643-11	Type 3
SPD according to 61643-1/-11	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 $\mu$ s) ( $I_n$ )	3 kA
Total discharge current (8/20 $\mu$ s) [L1+L2+L3+N-PE] ( $I_{total}$ )	8 kA
Combined impulse ( $U_{OC}$ )	6 kV
Combined impulse [L1+L2+L3+N-PE] ( $U_{OC total}$ )	16 kV
Voltage protection level [L-N] ( $U_P$ )	$\leq 1000$ V
Voltage protection level [L/N-PE] ( $U_P$ )	$\leq 1500$ V
Response time [L-N] ( $t_A$ )	$\leq 25$ ns
Response time [L/N-PE] ( $t_A$ )	$\leq 100$ 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 <sub>rms</sub>
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) [N-PE] ( $U_T$ )	1200 V / 200 ms
TOV characteristic [L-N]	withstand
TOV characteristic [L/N-PE]	withstand
TOV characteristic [L+N-PE]	safe
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 <sup>2</sup> solid/flexible
Cross-sectional area (max.)	4 mm <sup>2</sup> solid/2.5 mm <sup>2</sup> flexible
For mounting on	35 mm DIN rails acc. to EN 60715
Enclosure material	thermoplastic, red, UL 94 V-0
Place of installation	indoor installation
Degree of protection	IP 20
Capacity	2 modules, DIN 43880
Approvals, Certifications	KEMA, VDE, UL
Type of remote signalling contact	changeover contact
a.c. switching capacity	250 V/0.5 A
d.c. switching capacity	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 <sup>2</sup> solid/flexible
Weight	141 g
Customs tariff number	85363010
GTIN	4013364115774
PU	1 pc(s)

We reserve the right to introduce changes in performance, configuration and technology, dimensions, weights and materials in the course of technical progress. The figures are shown without obligation.