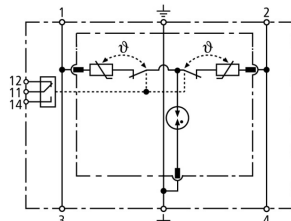


DR M 2P 255 FM (953 205)

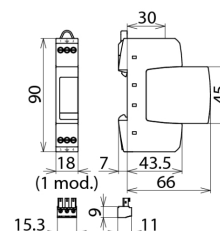
- Two-pole surge arrester consisting of a base part and a plug-in protection module
- High discharge capacity due to heavy-duty zinc oxide varistor / spark gap combination
- Energy coordination with other arresters of the Red/Line product family



Figure without obligation



Basic circuit diagram DR M 2P 255 FM



Dimension drawing DR M 2P 255 FM

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

| Type | DR M 2P 255 FM |
|--|--|
| Part No. | 953 205 |
| SPD according to EN 61643-11 / IEC 61643-11 | type 3 / class III |
| Nominal voltage (a.c.) (U_N) | 230 V (50 / 60 Hz) |
| Max. continuous operating voltage (a.c.) (U_C) | 255 V (50 / 60 Hz) |
| Max. continuous operating voltage (d.c.) (U_C) | 255 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}) | 5 kA |
| Combination wave (U_{OC}) | 6 kV |
| Combination wave [L+N-PE] ($U_{OC total}$) | 10 kV |
| Voltage protection level [L-N] / [L/N-PE] (U_p) | ≤ 1250 / ≤ 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 gG or B 25 A |
| Short-circuit withstand capability for mains-side overcurrent protection with 25 A gG (I_{SCCR}) | 6 kA _{rms} |
| Temporary overvoltage (TOV) [L-N] (U_T) – Characteristic | 335 V / 5 sec. – withstand |
| Temporary overvoltage (TOV) [L-N] (U_T) – Characteristic | 440 V / 120 min. – safe failure |
| Temporary overvoltage (TOV) [L/N-PE] (U_T) – Characteristic | 335 V / 120 min. – withstand |
| Temporary overvoltage (TOV) [L/N-PE] (U_T) – Characteristic | 440 V / 5 sec. – withstand |
| Temporary overvoltage (TOV) [L+N-PE] (U_T) – Characteristic | 1200 V + U_{REF} / 200 ms – safe 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 rails acc. to EN 60715 |
| Enclosure material | thermoplastic, red, UL 94 V-0 |
| Place of installation | indoor installation |
| Degree of protection | IP 20 |
| Capacity | 1 module(s), DIN 43880 |
| Approvals | KEMA, VDE, UL, 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 |
| Weight | 84 g |
| Customs tariff number (Comb. Nomenclature EU) | 85363030 |
| GTIN | 4013364108318 |
| 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.