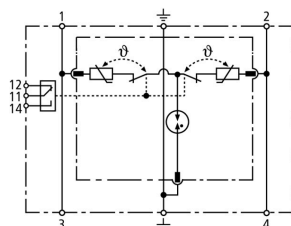


## DR M 2P 30 FM (953 206)

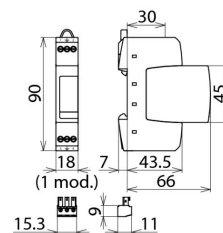
- Two-pole surge arrester consisting of a base part and a plug-in protection module
- High discharge capacity due to heavy-duty zinc oxide varistor / spark gap combination
- Energy coordination with other arresters of the Red/Line product family



Figure without obligation



Basic circuit diagram DR M 2P 30 FM



Dimension drawing DR M 2P 30 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 30 FM                                          |
|------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Part No.                                                                                             | 953 206                                                |
| SPD according to EN 61643-11 / IEC 61643-11                                                          | type 3 / class III                                     |
| Nominal voltage (a.c.) ( $U_N$ )                                                                     | 24 V (50 / 60 Hz)                                      |
| Max. continuous operating voltage (a.c.) ( $U_C$ )                                                   | 30 V (50 / 60 Hz)                                      |
| Max. continuous operating voltage (d.c.) ( $U_C$ )                                                   | 30 V                                                   |
| Nominal load current (a.c.) ( $I_L$ )                                                                | 25 A                                                   |
| Nominal discharge current (8/20 $\mu$ s) ( $I_n$ )                                                   | 1 kA                                                   |
| Total discharge current (8/20 $\mu$ s) [L+N-PE] ( $I_{total}$ )                                      | 2 kA                                                   |
| Combination wave ( $U_{OC}$ )                                                                        | 2 kV                                                   |
| Combination wave [L+N-PE] ( $U_{OC total}$ )                                                         | 4 kV                                                   |
| Voltage protection level [L-N] / [L/N-PE] ( $U_P$ )                                                  | $\leq 180$ / $\leq 630$ 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 gG or B 25 A                                      |
| Short-circuit withstand capability for mains-side overcurrent protection with 25 A gG ( $I_{SCCR}$ ) | 6 kA <sub>rms</sub>                                    |
| 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                                                                                             | 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 <sup>2</sup> solid / flexible              |
| Weight                                                                                               | 84 g                                                   |
| Customs tariff number (Comb. Nomenclature EU)                                                        | 85363030                                               |
| GTIN                                                                                                 | 4013364109711                                          |
| 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.