

## DMI 18 10 1 L (990 006)

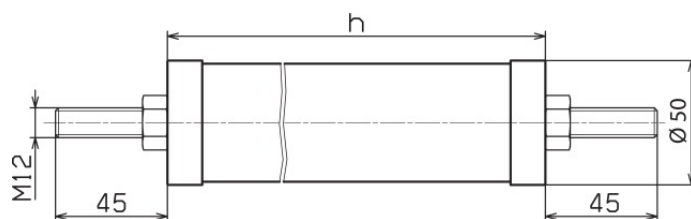


Figure without obligation

Dimension drawing DMI 18 10 1 L

| Type  | DMI 18 10 1 L                                 |
|---|---|
| Part No.  | 990 006                                       |
| Nominal discharge current (8/20 $\mu$ s) ( $I_n$ )  | 10 kA   |
| High current impulse (4/10 $\mu$ s)   | 100 kA  |
| Overload capacity   | 20 kA   |
| Line discharge class (1)  | 1 (2.8 kJ/kV $U_r$ )                          |
| Long-duration current impulse (1)   | 250 A / 2000 $\mu$ s                          |
| Rated voltage (a.c.) ( $U_r$ )  | 18 kV   |
| Continuous operating voltage (a.c.) (MCOV) ( $U_c$ )  | 14.4 kV                                       |
| Temporary overvoltage (TOV) at 1 sec. ( $U_{1s}$ )  | 20,7 kV                                       |
| Temporary overvoltage (TOV) at 10 sec. ( $U_{10s}$ )  | 19.6 kV                                       |
| Residual voltage at 10 kA (1/2 $\mu$ s) ( $\hat{u}_{res}$ )                                     | 52.4 kV                                       |
| Residual voltage at 5 kA (8/20 $\mu$ s) ( $\hat{u}_{res}$ )                                     | 45.6 kV                                       |
| Residual voltage at 10 kA (8/20 $\mu$ s) ( $\hat{u}_{res}$ )                                    | 49.0 kV                                       |
| Residual voltage at 20 kA (8/20 $\mu$ s) ( $\hat{u}_{res}$ )                                    | 54.4 kV                                       |
| Residual voltage at 40 kA (8/20 $\mu$ s) ( $\hat{u}_{res}$ )                                    | 61.3 kV                                       |
| Residual voltage at 125 A (40/100 $\mu$ s) ( $\hat{u}_{res}$ )                                  | 35.8 kV                                       |
| Residual voltage at 250 A (40/100 $\mu$ s) ( $\hat{u}_{res}$ )                                  | 36.9 kV                                       |
| Residual voltage at 500 A (40/100 $\mu$ s) ( $\hat{u}_{res}$ )                                  | 38.2 kV                                       |
| Residual voltage at 1000 A (40/100 $\mu$ s) ( $\hat{u}_{res}$ )                                 | 39.7 kV                                       |
| Residual voltage at 2000 A (40/100 $\mu$ s) ( $\hat{u}_{res}$ )                                 | 41.7 kV                                       |
| Insulation of arrester housing / nominal power frequency withstand voltage (dry) ( $U_{PFWL}$ ) | 54 kV   |
| Insulation of arrester housing / nominal lightning withstand voltage ( $U_{LWL}$ )              | 78 kV   |
| Height (h)  | 182 mm  |
| Creepage distance (+/- 5%)  | 158 mm  |
| Torsional strength  | 78 Nm   |
| Maximum permissible dynamic service load (MPDSL)  | 230 Nm  |
| Tensile strength  | 1400 N  |
| Ambient temperature ( $T_a$ )   | -40 °C ... +55 °C                             |
| Altitude  | up to 1000 m above sea level                  |
| Power frequency ( $f_n$ )   | 16-62 Hz                                      |
| Housing material  | HTV silicone housing                          |
| Colour  | auburn, RAL 3013                              |
| Fittings  | terminals, screws and nuts of stainless steel |
| Conductor clamp   | up to $\varnothing$ 16 mm                     |
| Test standards  | IEC 60099-4                                   |
| Weight  | 1,5 kg  |
| Customs tariff number (Comb. Nomenclature EU)   | 85354000                                      |
| GTIN  | 4013364102637                                 |
| 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.