

DMI 27 10 1 L (990 009)

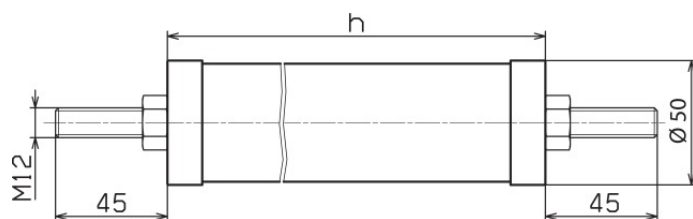


Figure without obligation

Dimension drawing DMI 27 10 1 L

| Type Part No. | DMI 27 10 1 L 990 009 |
|---|---|
| Nominal discharge current (8/20 µs) (I_n) | 10 kA |
| High current impulse (4/10 µs) | 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 µs |
| Line discharge class (2) | 2 (4.5 kJ/kV U_r) |
| Long-duration current impulse (2) | 500 A / 2000 µs |
| Rated voltage (a.c.) (U_r) | 27 kV |
| Continuous operating voltage (a.c.) (MCOV) (U_c) | 21.6 kV |
| Temporary overvoltage (TOV) at 1 sec. (U_{1s}) | 31.1 kV |
| Temporary overvoltage (TOV) at 10 sec. (U_{10s}) | 29.4 kV |
| Residual voltage at 10 kA (1/2 µs) (\hat{u}_{res}) | 80.3 kV |
| Residual voltage at 5 kA (8/20 µs) (\hat{u}_{res}) | 69.8 kV |
| Residual voltage at 10 kA (8/20 µs) (\hat{u}_{res}) | 75.0 kV |
| Residual voltage at 20 kA (8/20 µs) (\hat{u}_{res}) | 83.3 kV |
| Residual voltage at 40 kA (8/20 µs) (\hat{u}_{res}) | 93.8 kV |
| Residual voltage at 125 A (40/100 µs) (\hat{u}_{res}) | 54.8 kV |
| Residual voltage at 250 A (40/100 µs) (\hat{u}_{res}) | 56.5 kV |
| Residual voltage at 500 A (40/100 µs) (\hat{u}_{res}) | 58.5 kV |
| Residual voltage at 1000 A (40/100 µs) (\hat{u}_{res}) | 60.8 kV |
| Residual voltage at 2000 A (40/100 µs) (\hat{u}_{res}) | 63.8 kV |
| Insulation of arrester housing / nominal power frequency withstand voltage (dry) (U_{PFWL}) | 72 kV |
| Insulation of arrester housing / nominal lightning withstand voltage (U_{LWL}) | 106 kV |
| Height (h) | 244 mm |
| Creepage distance (+/- 5%) | 220 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 Ø16 mm |
| Test standards | IEC 60099-4 |
| Weight | 2 kg |
| Customs tariff number (Comb. Nomenclature EU) | 85354000 |
| GTIN | 4013364102668 |
| 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.