

## DMI 31 10 1 N (990 111)

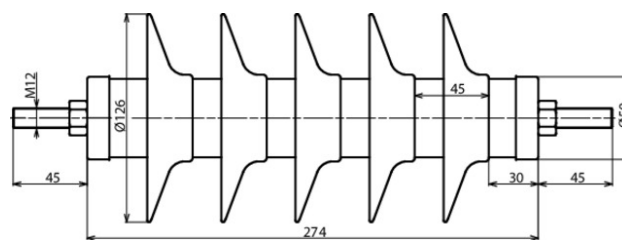


Figure without obligation

Dimension drawing DMI 31 10 1 N

Type	DMI 31 10 1 N
Part No.	990 111
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 $U_{lr}$ )
Long-duration current impulse (1)	250 A / 2000 $\mu$ s
Rated voltage (a.c.) ( $U_r$ )	31 kV
Continuous operating voltage (a.c.) (MCOV) ( $U_c$ )	25.0 kV
Temporary overvoltage (TOV) at 1 sec. ( $U_{1s}$ )	35.7 kV
Temporary overvoltage (TOV) at 10 sec. ( $U_{10s}$ )	33.8 kV
Residual voltage at 10 kA (1/2 $\mu$ s) ( $\hat{u}_{res}$ )	91.0 kV
Residual voltage at 5 kA (8/20 $\mu$ s) ( $\hat{u}_{res}$ )	79.1 kV
Residual voltage at 10 kA (8/20 $\mu$ s) ( $\hat{u}_{res}$ )	85.0 kV
Residual voltage at 20 kA (8/20 $\mu$ s) ( $\hat{u}_{res}$ )	94.4 kV
Residual voltage at 40 kA (8/20 $\mu$ s) ( $\hat{u}_{res}$ )	106.3 kV
Residual voltage at 125 A (40/100 $\mu$ s) ( $\hat{u}_{res}$ )	62.1 kV
Residual voltage at 250 A (40/100 $\mu$ s) ( $\hat{u}_{res}$ )	64.0 kV
Residual voltage at 500 A (40/100 $\mu$ s) ( $\hat{u}_{res}$ )	66.3 kV
Residual voltage at 1000 A (40/100 $\mu$ s) ( $\hat{u}_{res}$ )	68.9 kV
Residual voltage at 2000 A (40/100 $\mu$ s) ( $\hat{u}_{res}$ )	72.3 kV
Insulation of arrester housing / nominal power frequency withstand voltage (dry) ( $U_{PFWL}$ )	100 kV
Insulation of arrester housing / nominal power frequency withstand voltage (wet) ( $U_{PFWL}$ )	66 kV
Insulation of arrester housing / nominal lightning withstand voltage ( $U_{LWL}$ )	146 kV
Height (h)	274 mm
Number of shields	5
Creepage distance (+/- 5%)	625 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	2,2 kg
Customs tariff number (Comb. Nomenclature EU)	85354000
GTIN	4013364102866
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.