

## DMI 48 10 1 N (990 117)

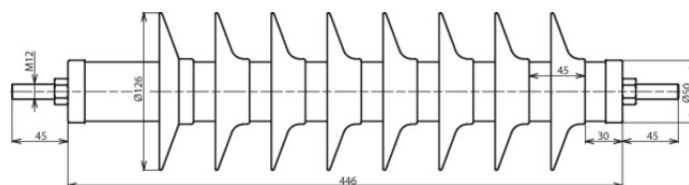


Figure without obligation

Dimension drawing DMI 48 10 1 N

Type	DMI 48 10 1 N
Part No.	990 117
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
Line discharge class (2)	2 (4.5 kJ/kV $U_r$ )
Long-duration current impulse (2)	500 A / 2000 $\mu$ s
Rated voltage (a.c.) ( $U_r$ )	48 kV
Continuous operating voltage (a.c.) (MCOV) ( $U_c$ )	38.4 kV
Temporary overvoltage (TOV) at 1 sec. ( $U_{1s}$ )	55.2 kV
Temporary overvoltage (TOV) at 10 sec. ( $U_{10s}$ )	52.3 kV
Residual voltage at 10 kA (1/2 $\mu$ s) ( $\hat{u}_{res}$ )	141.2 kV
Residual voltage at 5 kA (8/20 $\mu$ s) ( $\hat{u}_{res}$ )	122.8 kV
Residual voltage at 10 kA (8/20 $\mu$ s) ( $\hat{u}_{res}$ )	132.0 kV
Residual voltage at 20 kA (8/20 $\mu$ s) ( $\hat{u}_{res}$ )	146.5 kV
Residual voltage at 40 kA (8/20 $\mu$ s) ( $\hat{u}_{res}$ )	165.0 kV
Residual voltage at 125 A (40/100 $\mu$ s) ( $\hat{u}_{res}$ )	96.4 kV
Residual voltage at 250 A (40/100 $\mu$ s) ( $\hat{u}_{res}$ )	99.4 kV
Residual voltage at 500 A (40/100 $\mu$ s) ( $\hat{u}_{res}$ )	103.0 kV
Residual voltage at 1000 A (40/100 $\mu$ s) ( $\hat{u}_{res}$ )	106.9 kV
Residual voltage at 2000 A (40/100 $\mu$ s) ( $\hat{u}_{res}$ )	112.2 kV
Insulation of arrester housing / nominal power frequency withstand voltage (dry) ( $U_{PFWL}$ )	156 kV
Insulation of arrester housing / nominal power frequency withstand voltage (wet) ( $U_{PFWL}$ )	104 kV
Insulation of arrester housing / nominal lightning withstand voltage ( $U_{LWL}$ )	226 kV
Height (h)	446 mm
Number of shields	8
Creepage distance (+/- 5%)	1022 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	3,8 kg
Customs tariff number (Comb. Nomenclature EU)	85354000
GTIN	4013364102927
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.