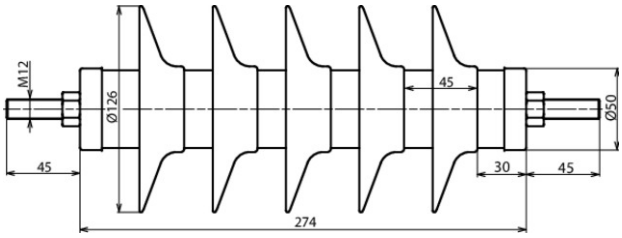
DMI 33 10 1 N (990 112)

Figure without obligation



Dimension drawing DMI 33 10 1 N

Type Part No.	DMI 33 10 1 N 990 112
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 $_{Ur}$)
Long-duration current impulse (1)	250 A / 2000 µs
Rated voltage (a.c.) (U_r)	33 kV
Continuous operating voltage (a.c.) (MCOV) (U_c)	26.4 kV
Temporary overvoltage (TOV) at 1 sec. (U_{1s})	38.0 kV
Temporary overvoltage (TOV) at 10 sec. (U_{10s})	36.0 kV
Residual voltage at 10 kA (1/2 µs) ($\hat{u}_{res}$)	94.2 kV
Residual voltage at 5 kA (8/20 µs) ($\hat{u}_{res}$)	81.8 kV
Residual voltage at 10 kA (8/20 µs) ($\hat{u}_{res}$)	88.0 kV
Residual voltage at 20 kA (8/20 µs) ($\hat{u}_{res}$)	97.7 kV
Residual voltage at 40 kA (8/20 µs) ($\hat{u}_{res}$)	110.0 kV
Residual voltage at 125 A (40/100 µs) ($\hat{u}_{res}$)	64.2 kV
Residual voltage at 250 A (40/100 µs) ($\hat{u}_{res}$)	66.3 kV
Residual voltage at 500 A (40/100 µs) ($\hat{u}_{res}$)	68.6 kV
Residual voltage at 1000 A (40/100 µs) ($\hat{u}_{res}$)	71.3 kV
Residual voltage at 2000 A (40/100 µs) ($\hat{u}_{res}$)	74.8 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_{LIWL})	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	2,4 kg
Customs tariff number (Comb. Nomenclature EU)	85354000
GTIN	4013364102873
PU	1 pc(s)