

DMI 45 10 1 N (990 116)

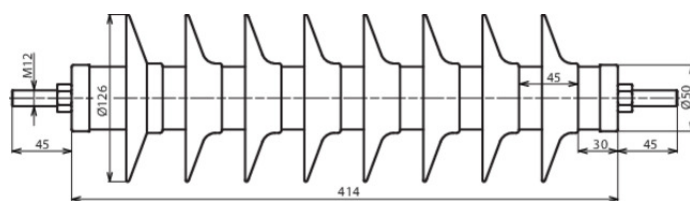


Figure without obligation

Dimension drawing DMI 45 10 1 N

Type	DMI 45 10 1 N
Part No.	990 116
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)	45 kV
Continuous operating voltage (a.c.) (MCOV) (U_c)	36.0 kV
Temporary overvoltage (TOV) at 1 sec. (U_{1s})	51.8 kV
Temporary overvoltage (TOV) at 10 sec. (U_{10s})	49.1 kV
Residual voltage at 10 kA (1/2 µs) (\hat{u}_{res})	128.4 kV
Residual voltage at 5 kA (8/20 µs) (\hat{u}_{res})	111.6 kV
Residual voltage at 10 kA (8/20 µs) (\hat{u}_{res})	120.0 kV
Residual voltage at 20 kA (8/20 µs) (\hat{u}_{res})	133.2 kV
Residual voltage at 40 kA (8/20 µs) (\hat{u}_{res})	150.0 kV
Residual voltage at 125 A (40/100 µs) (\hat{u}_{res})	87.6 kV
Residual voltage at 250 A (40/100 µs) (\hat{u}_{res})	90.4 kV
Residual voltage at 500 A (40/100 µs) (\hat{u}_{res})	93.6 kV
Residual voltage at 1000 A (40/100 µs) (\hat{u}_{res})	97.2 kV
Residual voltage at 2000 A (40/100 µs) (\hat{u}_{res})	102.0 kV
Insulation of arrester housing / nominal power frequency withstand voltage (dry) (U_{PFWL})	152 kV
Insulation of arrester housing / nominal power frequency withstand voltage (wet) (U_{PFWL})	100 kV
Insulation of arrester housing / nominal lightning withstand voltage (U_{LWL})	222 kV
Height (h)	414 mm
Number of shields	8
Creepage distance (+/- 5%)	990 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	3,6 kg
Customs tariff number (Comb. Nomenclature EU)	85354000
GTIN	4013364102910
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.