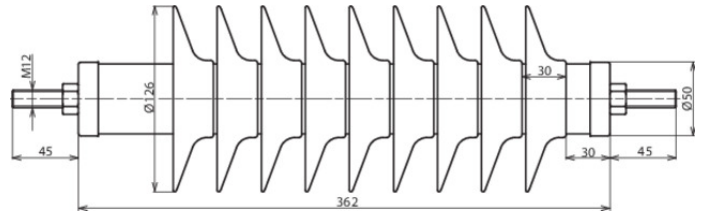


## DMI 36 10 1 H (990 209)

DEHNmid medium-voltage arrester for protecting transformers, switchgear installations and transmission lines against atmospheric and switching overvoltage as per IEC / EN 60099-4. High-temperature vulcanised silicone housing for outdoor use prevents the formation of water and pollution layers. Long service life thanks to powerful metal oxide varistors.



Dimension drawing DMI 36 10 1 H

Figure without obligation

Type Part No.	DMI 36 10 1 H 990 209
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
Rated voltage (a.c.) ( $U_r$ )	36 kV
Continuous operating voltage (a.c.) (MCOV) ( $U_c$ )	28.8 kV
Temporary overvoltage (TOV) at 1 sec. ( $U_{1s}$ )	41.4 kV
Temporary overvoltage (TOV) at 10 sec. ( $U_{10s}$ )	39.2 kV
Residual voltage at 10 kA (1/2 µs) ( $\hat{u}_{res}$ )	104.9 kV
Residual voltage at 5 kA (8/20 µs) ( $\hat{u}_{res}$ )	91.1 kV
Residual voltage at 10 kA (8/20 µs) ( $\hat{u}_{res}$ )	98.0 kV
Residual voltage at 20 kA (8/20 µs) ( $\hat{u}_{res}$ )	108.8 kV
Residual voltage at 40 kA (8/20 µs) ( $\hat{u}_{res}$ )	122.5 kV
Residual voltage at 125 A (40/100 µs) ( $\hat{u}_{res}$ )	71.5 kV
Residual voltage at 250 A (40/100 µs) ( $\hat{u}_{res}$ )	73.8 kV
Residual voltage at 500 A (40/100 µs) ( $\hat{u}_{res}$ )	76.4 kV
Residual voltage at 1000 A (40/100 µs) ( $\hat{u}_{res}$ )	79.4 kV
Residual voltage at 2000 A (40/100 µs) ( $\hat{u}_{res}$ )	83.3 kV
Insulation of arrester housing / nominal power frequency withstand voltage (dry) ( $U_{PFWL}$ )	126 kV
Insulation of arrester housing / nominal power frequency withstand voltage (wet) ( $U_{PFWL}$ )	84 kV
Insulation of arrester housing / nominal lightning withstand voltage ( $U_{LWL}$ )	184 kV
Height (h)	362 mm
Shield spacing ( $h_1$ )	30 mm
Number of shields	9
Creepage distance (+/- 5%)	1013 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 kg
Customs tariff number (Comb. Nomenclature EU)	85354000
GTIN	4013364103023
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.