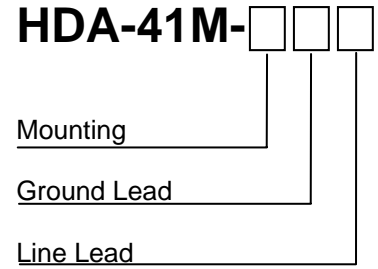


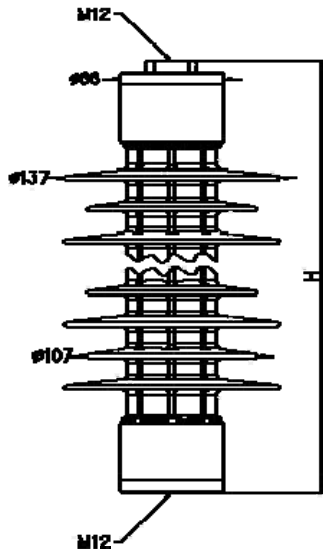
Metal Oxide Surge Arrester

AC System Voltage Range: 24-41 kV
 Polymeric Housing
 IEC 60099-4, Ed 2.0
 Nominal discharge current (I_n) 8/20 μ s: 10 kA
 Line discharge class: 1
 High current impulse (4/10 μ s): 100 kA
 Energy Absorption Capability at:
 - High current impulse (100kA; 4/10 μ s, 2 impulses): 6.8 kJ/kV·Uc
 - Single Long Duration current Impulse IEC 60099-4, clause 8.4): 2.1 kJ/kV·Uc
 Long duration current Impulse (2000 μ s): 400 A

Continuous operating voltage
U_c: 41 kV
 Rated voltage
U_r: 51.25 kV
 Short circuit rating for 0.2 s (pre-failing method):
 Rated Short-circuit (I_{sc}): 40 kA
 Low short-circuit current: 600 A
 Safe non-shattering design



Dimensions (mm)



Arrester Housing

Impulse voltage 1,2/50 μ s	kV	250
Power frequency voltage	-wet: kV	122
Overall length, (H)	mm	423
Flashover distance	mm	418
Creepage Length	mm	1279
Weight	kg	4.45
No of Sheds:		15
Cantilever strength *	Nm	250
Pull strength	N	2000
Max. Torque M12 *	Nm	50

*Ref: Thermomechanical & bending moment test 60099-4

100% Routine testing

- Residual Voltage
- Reference Voltage
- Partial Discharge

Residual Voltages (kV)

Lightning current impulse 8/20 μ s:			Steep lightning current impulse 1/20 μ s	Switching current impulse 30/60 μ s	
5 kA	10 kA	20 kA	10 kA	125 A	500 A
127.1	135.3	149.2	139.4	100.9	107.4

Temporary Overvoltage Capability (TOV)

1 Sec. TOV: 61.50 kV
 100 Sec. TOV: 56.20 kV

Marking

Raychem

MO Surge Arrester
 50/60 Hz
 IEC 60099-4
 I_{sc} 40 kA
 I_n 10 kA Class 1
 HDA-41M
 U_c: 41 kV
 U_r: 51 kV
 Manufacturing Year

