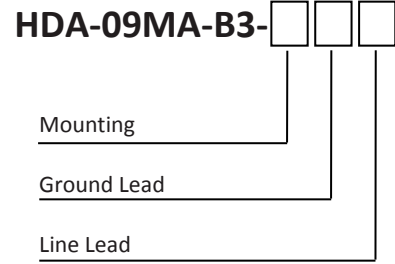
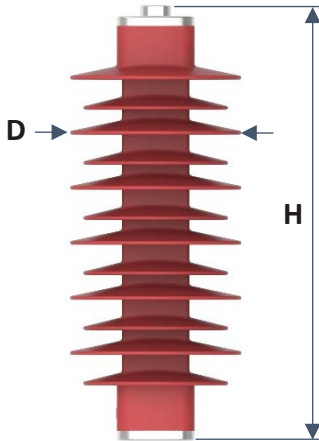


HDA $U_c$ Voltage Range	2.4 – 41 kV	Continuous operating voltage
HDA $U_R$ Voltage Range	3 – 51.5 kV	$U_c$ : 9.6 kV
Polymeric Housing		Rated voltage
IEC 60099-4: 2014 Ed 3.0		$U_R$ : 12.0 kV
Nominal discharge current ( $I_n$ )	10 kA	
Surge arrester class	DH	
Rep. charge transfer rating $Q_{RS}$	0.5 C	Short circuit rating:
High current impulse (4/10 $\mu$ s)	100 kA	Rated short-circuit ( $I_s$ , 0.2s) 40 kA
Thermal charge transfer rating	1.1 C	Low short-circuit current 600 A
Directly moulded cage design.		Safe non-shattering design.



Dimensions (mm)



Arrester Housing

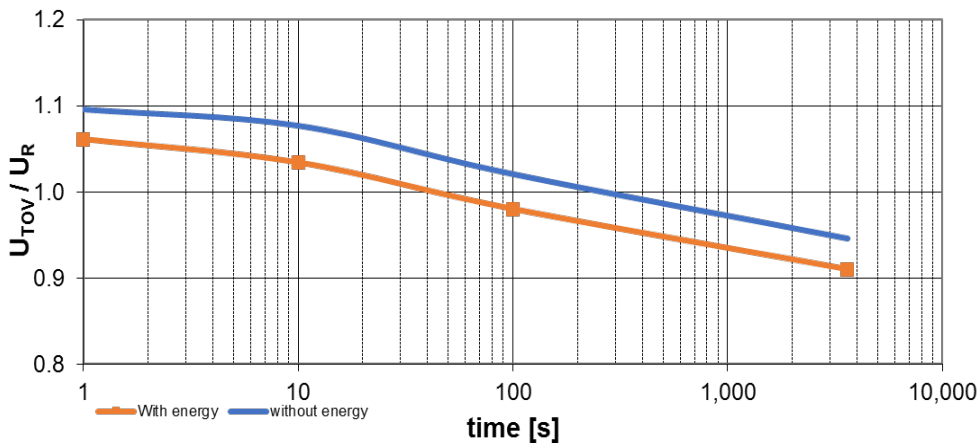
Impulse voltage 1.2/50 $\mu$ s	kV	106
Power frequency voltage	-wet: kV	47
Overall length, (H)	mm	183
Overall diameter (large shed), (D)	mm	119
Flashover distance	mm	176
Creepage Length	mm	380
Weight	kg	1.8
No of Sheds		5
Cantilever strength SSL	Nm	350
Cantilever strength SLL	Nm	350
Pull strength	N	2000
Max. Torque M12	Nm	50

Residual Voltages (kV)

Lightning current impulse 8/20 $\mu$ s			Steep lightning current impulse 1/20 $\mu$ s	Switching current impulse 30/60 $\mu$ s	
5 kA	10 kA	20 kA	10 kA	125 A	500 A
29.5	31.4	34.8	34.4	23.6	25.0

Temporary Overvoltage Capability (TOV)

1 Sec. TOV: 12.8 kV  
10 Sec. TOV: 12.4 kV



Marking

Raychem  
HDA-09MA  
 $U_c$ : 9.6 kV  
 $U_R$ : 12.0 kV  
MO Surge Arrester  
50/60 Hz  
IEC 60099-4  
 $I_s$  40 kA  
 $I_n$  10 kA DH  
Manufacturing Year

MVSA-768-22/18-0-000

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