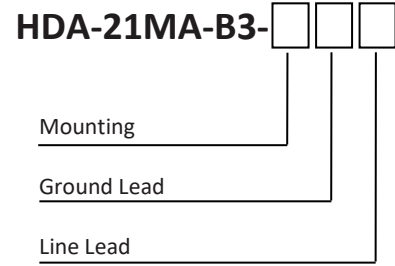
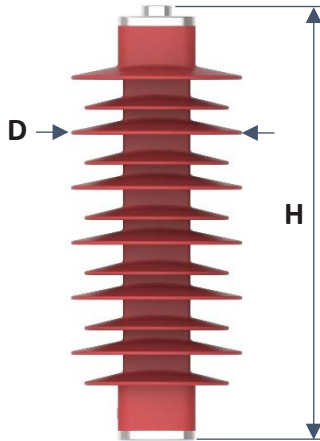


HDA $U_C$ Voltage Range	2.4 – 41 kV	Continuous operating voltage
HDA $U_R$ Voltage Range	3 – 51.5 kV	$U_C$ : <b>21.0</b> kV
Polymeric Housing		Rated voltage
IEC 60099-4: 2014 Ed 3.0		$U_R$ : <b>26.5</b> kV
Nominal discharge current ( $I_n$ )	10 kA	
Surge arrester class	DH	
Rep. charge transfer rating $Q_{RS}$	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**

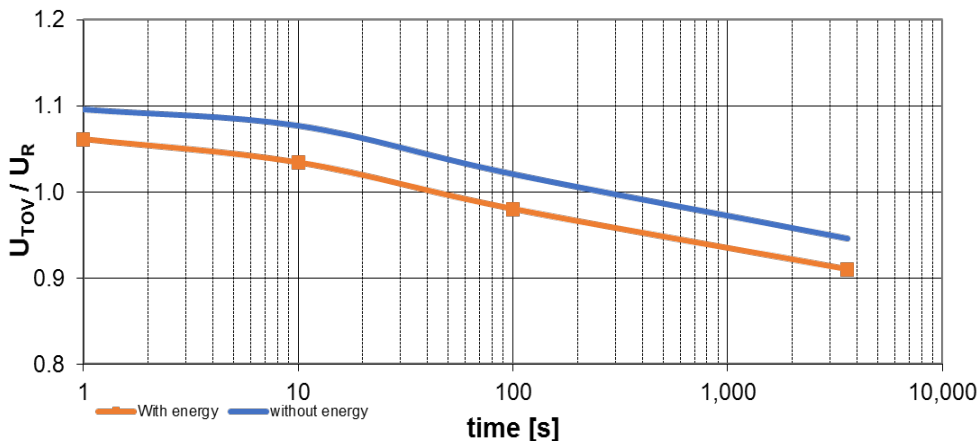
Impulse voltage 1.2/50 $\mu$ s	kV	190
Power frequency voltage	-wet: kV	93
Overall length, (H)	mm	316
Overall diameter (large shed), (D)	mm	122
Flashover distance	mm	310
Creepage Length	mm	830
Weight	kg	3.25
No of Sheds		12
Cantilever strength SSL	Nm	350
Cantilever strength SLL	Nm	350
Pull strength	N	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
65.5	69.7	77.2	76.3	52.5	55.5

**Temporary Overvoltage Capability (TOV)**

1 Sec. TOV: 28.3 kV  
 10 Sec. TOV: 27.4 kV



**Marking**

Raychem  
 HDA-21MA  
 $U_C$ : 21.0 kV  
 $U_R$ : 26.5 kV  
 MO Surge Arrester  
 50/60 Hz  
 IEC 60099-4  
 $I_S$  40 kA  
 $I_n$  10 kA DH  
 Manufacturing Year

MVSA-986-36/19-0-000

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