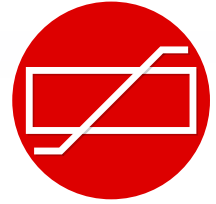


Transmission Line Arrester

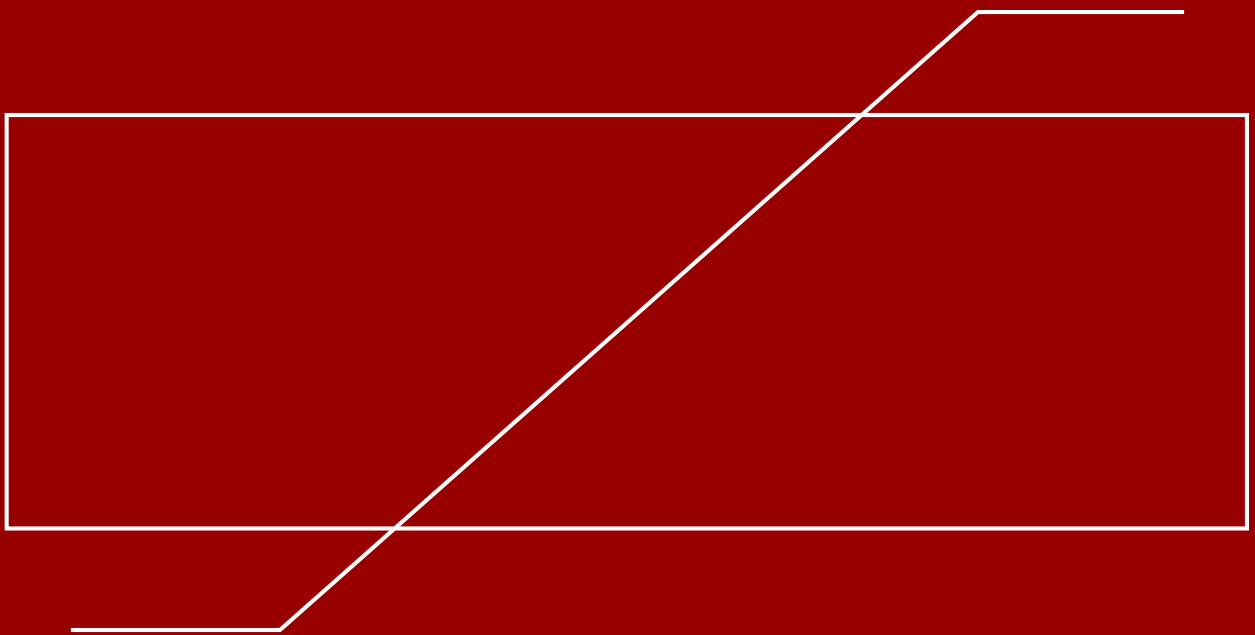


**OBLUM**  
50 YEARS OF EXCELLENCE

# Pioneering Cutting-Edge Solutions for Tomorrow



Powering Progress for Over Half a Century: We've been at the forefront of electrical polymer surge arresters manufacturing, continuously innovating for 50+ years, delivering solutions that energize the world.





# Global Presence

Oblum business operations are present in multiple geographies across the globe. We are committed to our vision of driving positive change in the environment and in the lives of people.



# Transmission Line Arrester (141kv)

S No	Description	141kV 10kA SL (TLA)
	<b>Model</b>	<b>PBC</b>
1	Highest system voltage kV rms	145
2	Nominal system voltage kVrms	132
3	Ur - Rated voltage kVrms	141
4	Uc - MCOV(kVrms)	113
5	In - NDC (8/20 $\mu$ s) kA	10
6	Arrester classification	Station Low duty
7	Qrs (IEC 99-4 Ed.3) in coulomb	1
8	Wth (IEC 99-4 Ed.3) in kJ/kV	4
9	Qth (IEC 99-4 Ed.3) in coulomb	
10	Max RDV kVp	
	a) 5kA	350
	b) 10kA	375
	c) 20kA	400
11	Max. Switch. Imp. R.V.(kVp)	
	a) 500A	300
	b) 1000A	
	c) 2000A	
12	Max. Steep Current impulse RDV(kVp) at NDC	400
13	High current impulse withstand value (4/10 $\mu$ s) kA	100
14	TOV (kVp)	
	i. 0.1	249
	ii. 1.0Sec	239
	iii. 10.0Sec	229
	iv. 100.0Sec	219
15	Short circuit current kA	40
16	Insulation Withstand	
	a) Lightning Impulse (kVp)	As per IEC 60099-4 2014
	b) Power frequency kVrms	As per IEC 60099-4 2014
	c) Switching Imp (Wet)(kVp)	NA
17	Rated frequency (Hz)	48 to 62
18	Leakage current	
	a. IR at MCOV in $\mu$ A	Less than 400
	b. IC at MCOV in mA	About 1.2
19	Reference voltage in Volt at Reference current in mA	> 141kV at 2mA
20	Partial discharge P.D	10pC
21	Creepage distance-mm (min) Phase to Phase	25mm/kV /31mm/kV (as applicable)
22	Max. Cantilever strength of arrester Kg	150

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