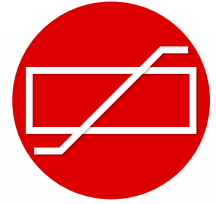


High Voltage

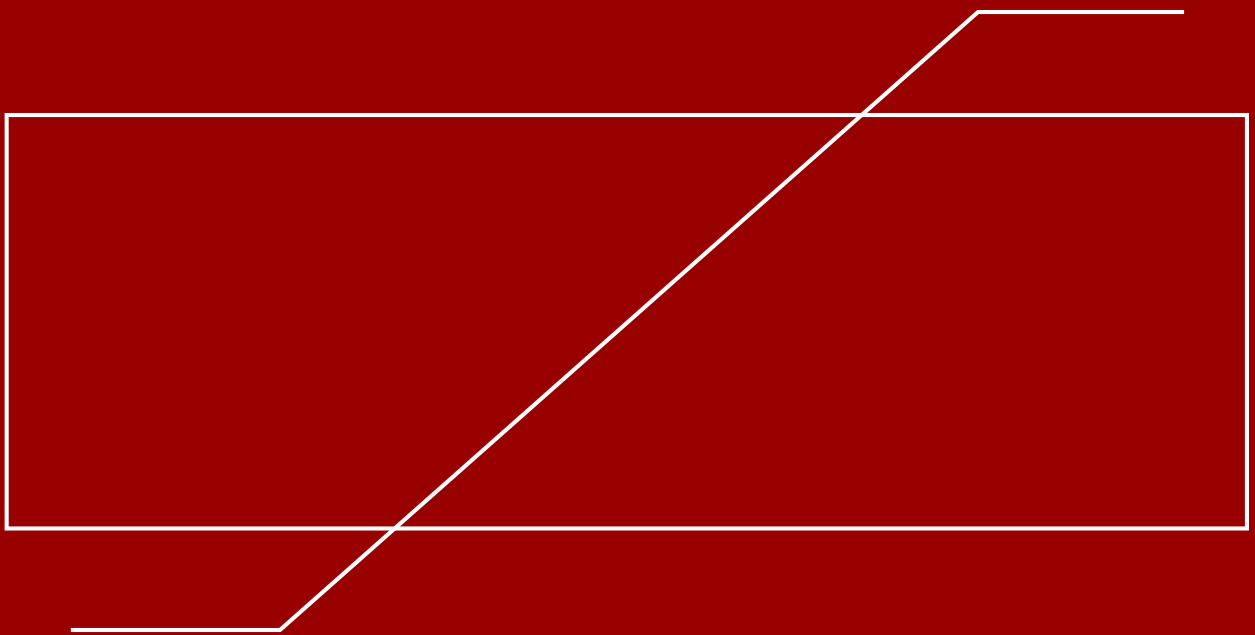


OBLUM
50 YEARS OF EXCELLENCE

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.



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- Gambia

High Voltage (144kV)

S No	Description	144kV 10kA SM
	Model	PBC
1	Highest system voltage kV rms	145
2	Nominal system voltage kVrms	132
3	Ur - Rated voltage kVrms	144
4	Uc - MCOV(kVrms)	122
5	In - NDC (8/20µs) kA	10
6	Arrester classification	Station Medium duty
7	Qrs (IEC 99-4 Ed.3) in coulomb	1.6
8	Wth (IEC 99-4 Ed.3) in kJ/kV	7
9	Qth (IEC 99-4 Ed.3) in coulomb	
10	Max RDV kVp	
	a) 5kA	384
	b) 10kA	408
	c) 20kA	456
11	Max. Switch. Imp. R.V.(kVp)	
	a) 500A	
	b) 1000A	365
	c) 2000A	
12	Max. Steep Current impulse RDV(kVp) at NDC	456
13	High current impulse withstand value (4/10 µs) kA	100
14	TOV (kVp)	
	i. 0.1	254
	ii. 1.0Sec	244
	iii. 10.0Sec	234
	iv. 100.0Sec	224
15	Short circuit current kA	40/50(As applicable)
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)	49 to 62
18	Leakage current	
	a. IR at MCOV in µA	Less than 400
	b. IC at MCOV in mA	About 1.4
19	Reference voltage in Volt at Reference current in mA	> 144kV at 3mA
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 Kgf	150

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