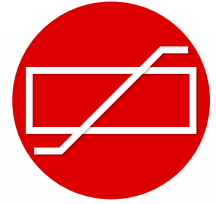


Extra High Voltage

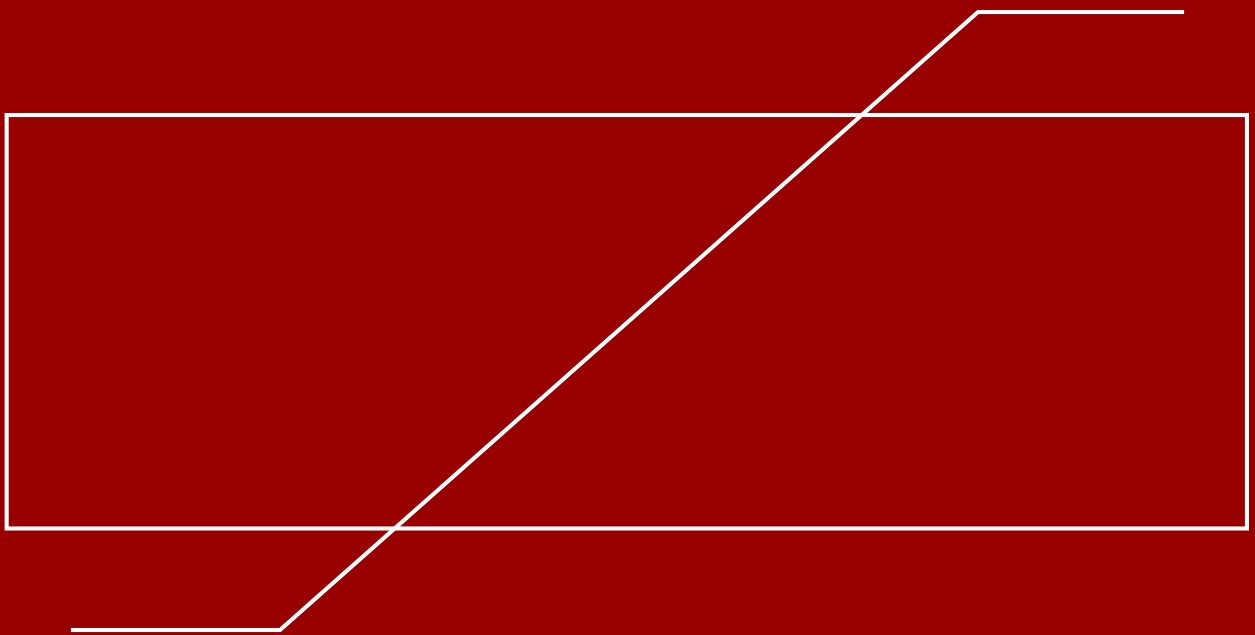


OBLUM
50 YEARS OF EXCELLENCE

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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- Liberia
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- Gambia

Extra High Voltage (390kv)

S No	Description	EHV	
		390kV 20kA SH	390kV 20kA SH
	Model	PAT	PBC
1	Highest system voltage kV rms	420	420
2	Nominal system voltage kVrms	400	400
3	Ur –Rated voltage kVrms	390	390
4	Uc –MCOV(kVrms)	303	303
5	In –NDC (8/20 μ s) kA	20	20
6	Arrester classification	Station High Duty	Station High Duty
7	Qrs(IEC 99-4 Ed.3) in coulomb	2.4	2.4
8	Wth (IEC 99-4 Ed.3) in kJ/kV	10	10
9	Qth (IEC 99-4 Ed.3) in coulomb		
10	Max RDV kVp		
	a)5kA		
	b)10kA	900	900
	c)20kA	975	975
11	Max. Switch. Imp. R.V.(kVp)		
	a)500A		
	b)1000A		
	c) 2000A	780	780
12	Max. Steep Current impulse RDV(kVp) at NDC	1050	1050
13	High current impulse withstand value (4/10 μ s) kA	100	100
14	TOV (kVp)		
	i. 0.1	689	689
	ii.1.0Sec	662	662
	iii. 10.0Sec	634	634
	iv. 100.0Sec	607	607
15	Short circuit current kA	40/50/63 as applicable	40
16	Insulation Withstand		
	a)Lightning Impulse (kVp)	As per IEC 60099-4 2014	As per IEC 60099-4 2014
	b)Power frequency kVrms	As per IEC 60099-4 2014	As per IEC 60099-4 2014
	c)Switching Imp (Wet)(kVp)	NA	NA
17	Rated frequency (Hz)	48 to 62	48 to 62
18	Leakage current		
	a.IR at MCOV in μ A	Less than 500	Less than 500
	b. IC at MCOV in mA	About 1.5	About 1.5
19	Reference voltage in Volt at Reference current in mA	> 390kV at 4mA	> 390kV at 4mA
20	Partial discharge P.D	10pC	10pC
21	Creepage distance–mm (min) Phase to Phase	25mm/kV /31mm/kV (as applicable)	25mm/kV /31mm/kV (as applicable)
22	Max. Cantilever strength of arrester Kgf	350/500 (as applicable)	150

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