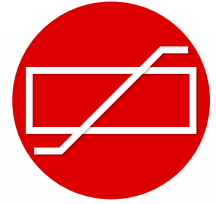


High Voltage

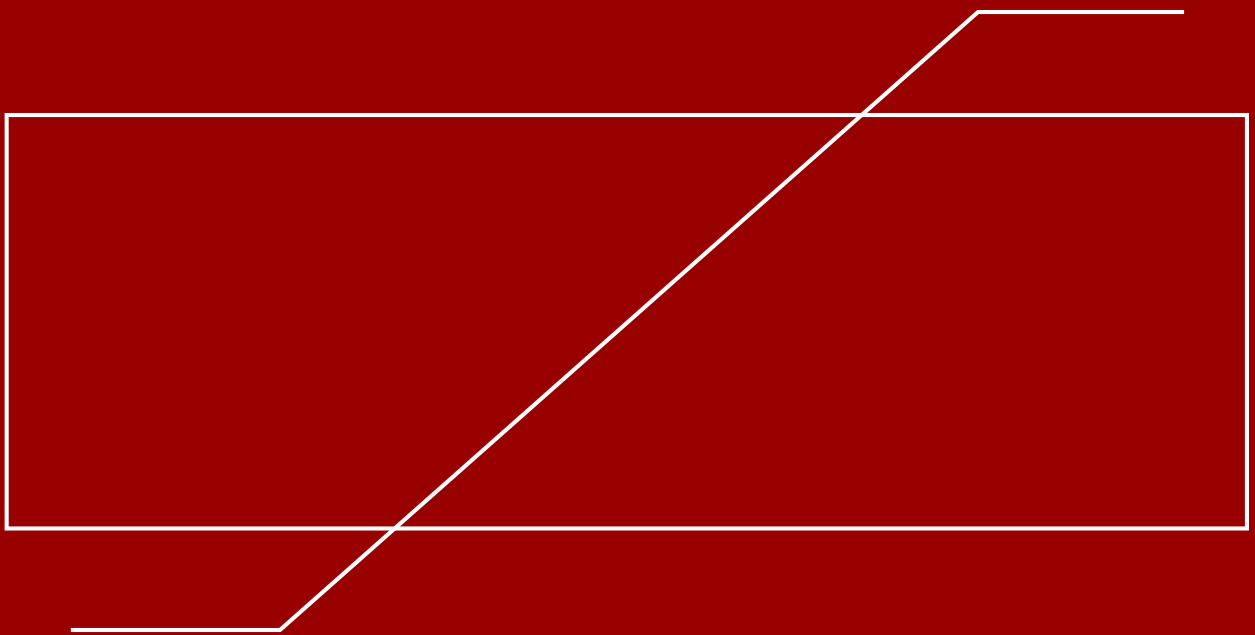


OBLUM
50 YEARS OF EXCELLENCE

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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- Nepal
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- Gambia

High Voltage (120kv)

S No	Description	120kV 10kA SM	120kV 20kA SH
	Model	PBC	
1	Highest system voltage kV rms	145	145
2	Nominal system voltage kVrms	132	132
3	Ur - Rated voltage kVrms	120	120
4	Uc - MCOV(kVrms)	102	102
5	In - NDC (8/20 μ s) kA	10	20
6	Arrester classification	Station Medium Duty	Station High Duty
7	Qrs (IEC 99-4 Ed.3) in coulomb	1.6	2.4
8	Wth (IEC 99-4 Ed.3) in kJ/kV	7	10
9	Qth (IEC 99-4 Ed.3) in coulomb		
10	Max RDV kVp		
	a) 5kA	320	
	b) 10kA	340	300
	c) 20kA	380	320
11	Max. Switch. Imp. R.V.(kVp)		
	a) 500A		
	b) 1000A	272	
	c) 2000A		256
12	Max. Steep Current impulse RDV(kVp) at NDC	380	340
13	High current impulse withstand value (4/10 μ s) kA	100	100
14	TOV (kVp)		
	i. 0.1	212	212
	ii. 1.0Sec	204	204
	iii. 10.0Sec	195	195
	iv. 100.0Sec	187	187
15	Short circuit current kA	40/50 (As applicable)	40/50 (As applicable)
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 400	Less than 500
	b. IC at MCOV in mA	About 1.4	About 1.5
19	Reference voltage in Volt at Reference current in mA	> 120kV at 3mA	> 120kV 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	150	150

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