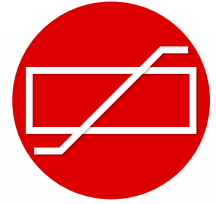


High Voltage

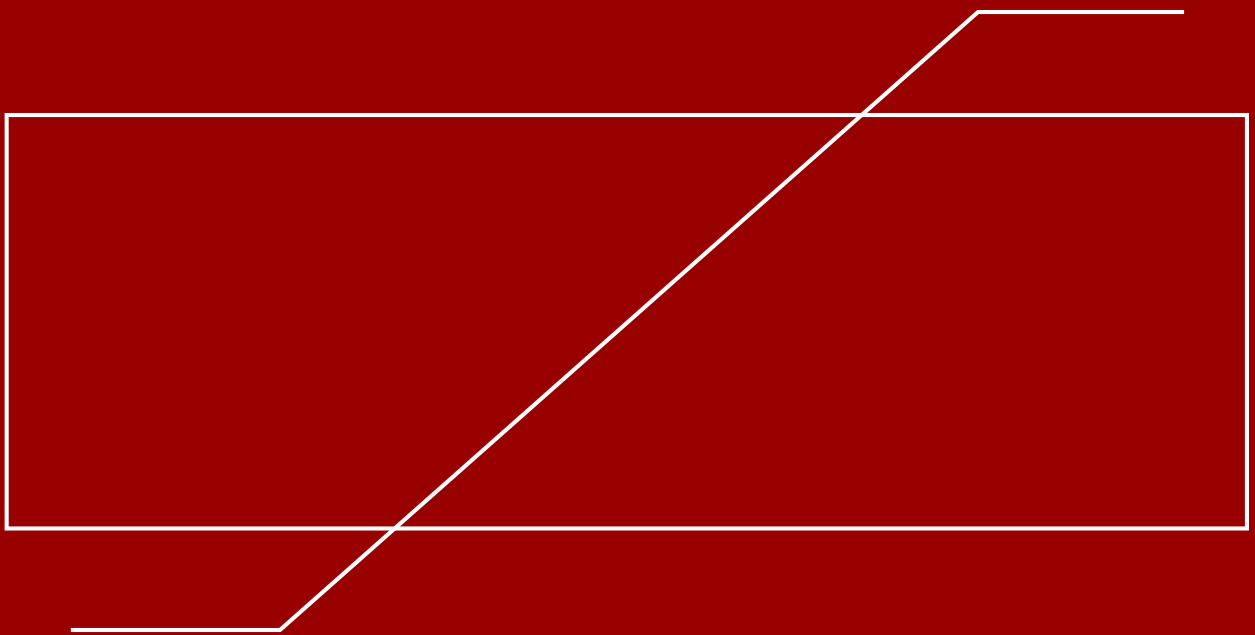


OBLUM
50 YEARS OF EXCELLENCE

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

High Voltage (198kv)

S No	Description	198kV 10kA SM	198kV 20kA SH
	Model	PBC	PBC
1	Highest system voltage kV rms	245	245
2	Nominal system voltage kVrms	220	220
3	Ur - Rated voltage kVrms	198	198
4	Uc - MCOV(kVrms)	168	168
5	In - NDC (8/20µs) 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	518	
	b) 10kA	550	495
	c) 20kA	610	528
11	Max. Switch. Imp. R.V.(kVp)		
	a) 500A		
	b) 1000A	455	
	c) 2000A		422
12	Max. Steep Current impulse RDV(kVp) at NDC	610	561
13	High current impulse withstand value (4/10 µs) kA	100	100
14	TOV (kVp)		
	i. 0.1	349	349
	ii. 1.0Sec	335	335
	iii. 10.0Sec	321	321
	iv. 100.0Sec	307	307
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 µA	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	> 198kV at 3mA	> 198kV 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

Exports/Technical :

Ms.Bhargavi

Ph: +91 89770 89857

E : bhargavi@oblum.co.in

overseas@oblum.co.in

Technical :

Mrs. Nagalakshmi

Ph :+91 9848352440

E : nagalakshmi.k@oblum.co.in

technical@oblum.co.in

Oblum Electrical Industries (P) Ltd.

#A-16&17, Assisted Private Industrial
Estate, Balanagar,Hyderabad - 500 037

Land Line: 040-2377 1880

GST : 36AAACO2289A1ZQ

www.oblum.co.in

