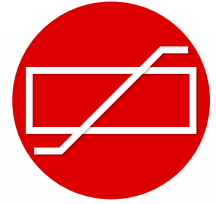


High Voltage

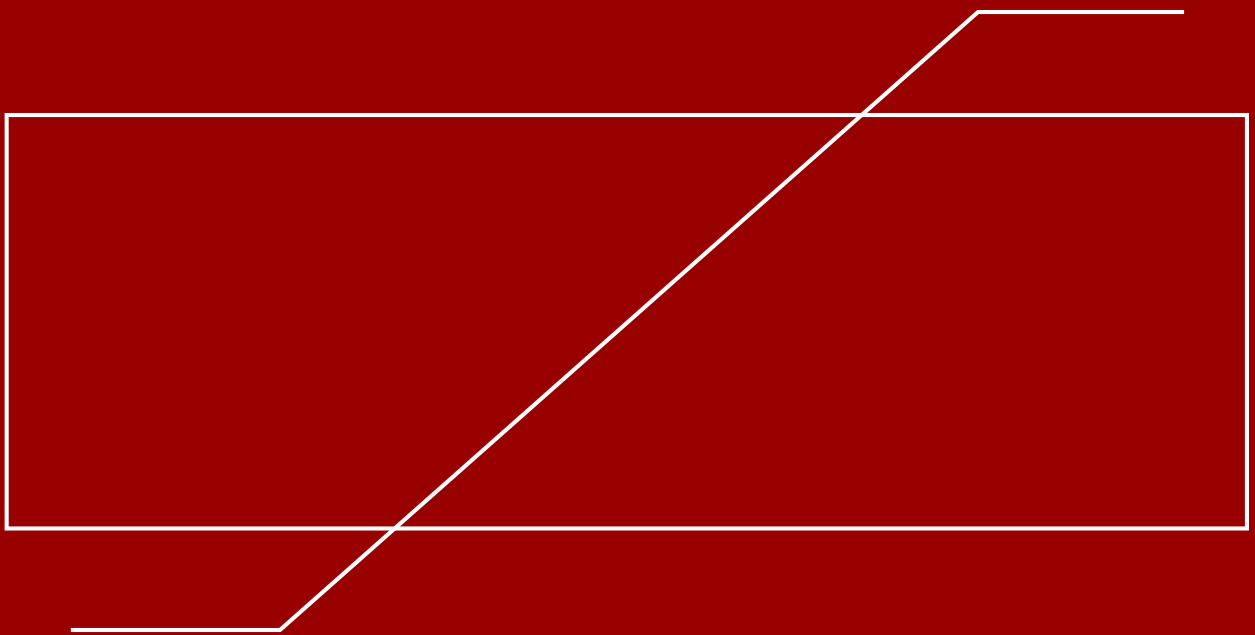


OBLUM
50 YEARS OF EXCELLENCE

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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- Srilanka
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- Abu Dhabi
- Bhutan
- Malaysia
- Nepal
- Uganda
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- Nigeria
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- Ethiopia
- Botswana
- Liberia
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- Gambia

High Voltage (60kv)

S No	Description	EHV	
		60kV 10kA SL	60kV 10kA SM
	Model	PBC	PBC
1	Highest system voltage kV rms	72.5	72.5
2	Nominal system voltage kVrms	66	66
3	Ur -Rated voltage kVrms	60	60
4	Uc -MCOV (kVrms)	51	51
5	In -NDC (8/20µs) kA	10	10
6	Arrester classification	Station Low duty	Station Medium Duty
7	Qrs (IEC 99-4 Ed.3) in coulomb	1	1.6
8	Wth (IEC 99-4 Ed.3) in kJ/kV	4	7
9	Qth (IEC 99-4 Ed.3) in coulomb		
10	Max RDV kVp		
	a) 5kA	170	160
	b) 10kA	180	170
	c) 20kA	200	190
11	Max. Switch. Imp. R.V. (kVp)		
	a) 500A	144	
	b) 1000A		136
	c) 2000A		
12	Max. Steep Current impulse RDV (kVp) at NDC	200	190
13	High current impulse withstand value (4/10 µs) kA	100	100
14	TOV (kVp)		
	i. 0.1	106	106
	ii. 1.0Sec	102	102
	iii. 10.0Sec	97	97
	iv. 100.0Sec	93	93
15	Short circuit current kA	40	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 µA	Less than 400	Less than 400
	b. IC at MCOV in mA	About 1.2	About 1.4
19	Reference voltage in Volt at Reference current in mA	> 60kV at 2mA	> 60kV at 3mA
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 Kg	150	150

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