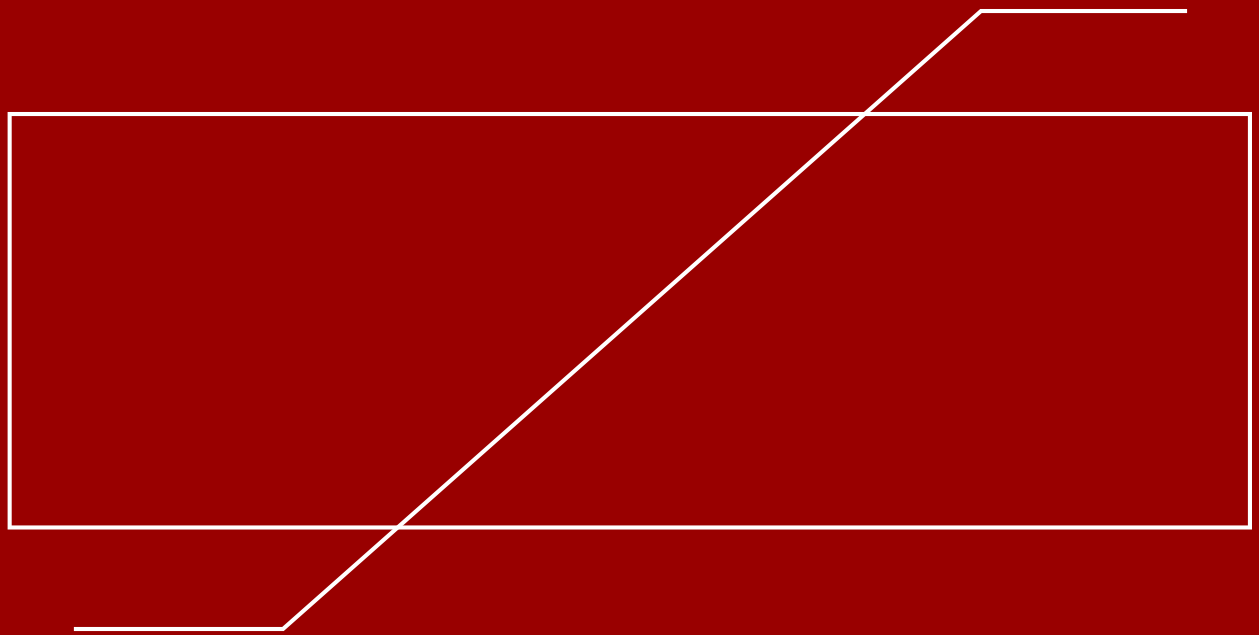
Medium Voltage (30kv)

OBLUM
50 YEARS OF EXCELLENCE

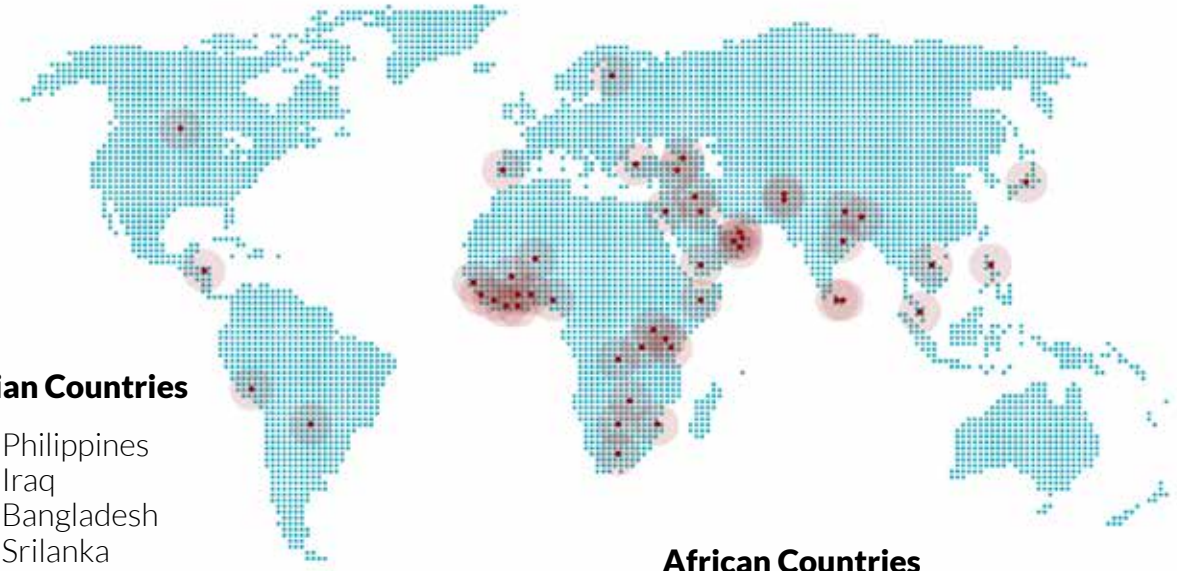
Pioneering Cutting-Edge Solutions for Tomorrow

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.



Asian Countries

- Philippines
- Iraq
- Bangladesh
- Srilanka
- Turkey
- Abu Dhabi
- Bhutan
- Malaysia
- Nepal
- Uganda
- Uae
- Afghanistan
- Vietnam
- Sharjah
- Nigeria
- Colombo
- Kabul
- Jordan
- Kenya
- Yemen
- Dubai
- Armenia
- Georgia
- Japan
- Kuwait

South American Countries

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- Paraguay

North American Countries

- Nicaragua
- Canada

European Countries

- Finland
- Spain

African Countries

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- Rwanda
- Togo
- Mali
- Zambia
- Burkina Faso
- Mozambique
- Congo
- Tanzania
- Uganda
- South Africa
- Ivory Coast
- Ethiopia
- Botswana
- Liberia
- Transco Clsg
- Ghana
- Sierra Leone
- Gambia

Medium Voltage (30kv)

INDOOR SPF			
S No	**Description**	**30kV 10kA SL**	**30kV 10kA SM**
	Model	**INDOOR**	**INDOOR**
	OUTDOOR/ INDOOR	**SPF**	**SPF**
	System earthing	**Unearthed**	**Unearthed**
1	Highest system voltage kV rms	24	24
2	Nominal system voltage kVrms	22	22
3	Ur –Rated voltage kVrms	30	30
4	Uc -MCOV(kVrms)	25	25
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	85	80
	b) 10kA	90	85
	c) 20kA	100	95
11	Max. Switch. Imp. RDV(kVp)		
	a) 500A	72	
	b) 1000A		68
	c) 2000A		
12	Max. Steep Current impulse RDV(kVp) at NDC	100	95
13	High current impulse withstand value (4/10 µs) kA	100	100
14	TOV (kVp)		
	i. 0.1	53	53
	ii.1 .0Sec	51	51
	iii. 10.0Sec	49	49
	iv. 100.0Sec	47	47
15	Short circuit current kA	25/31.5 (as applicable)	25/31.5 (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 400
	b. IC at MCOV in mA	About 1.2	About 1.4
19	Reference voltage in Volt at Reference current in mA	> 30kV at 2mA	> 30kV at 3mA
20	Partial discharge P.D	10pC	10pC
21	Creepage distance-mm (min) Phase to Phase	NA	NA
22	Max. Cantilever strength of arrester Kgf	NA	NA

DISTRIBUTION MEDIUM DUTY		
S No	**Description**	**30kV 10kA DH**
	Model	**PBW**
	OUTDOOR/ INDOOR	
	System earthing	
1	Highest system voltage kV rms	36
2	Nominal system voltage kVrms	33
3	Ur –Rated voltage kVrms	30
4	Uc -MCOV(kVrms)	25
5	In –NDC (8/20μs) kA	10
6	Arrester classification	Distrinution High duty
7	Qrs (IEC 99-4 Ed.3) in coulomb	0.4
8	Wth (IEC 99-4 Ed.3) in kJ/kV	
9	Qth (IEC 99-4 Ed.3) in coulomb	1.1
10	Max RDV kVp	
	a) 5kA	90
	b) 10kA	95
	c) 20kA	105
11	Max. Switch. Imp. RDV(kVp)	NA
	a) 500A	
	b) 1000A	
	c) 2000A	
12	Max. Steep Current impulse RDV(kVp) at NDC	105
13	High current impulse withstand value (4/10 μs) kA	100
14	TOV (kVp)	
	i. 0.1	53
	ii. 1.0Sec	51
	iii. 10.0Sec	49
	iv. 100.0Sec	47
15	Short circuit current kA	25/31.5 (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)	48 to 62
18	Leakage current	
	a. IR at MCOV in μA	Less than 400
	b. IC at MCOV in mA	About 1.2
19	Reference voltage in Volt at Reference current in mA	> 30kV at 1mA
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	NA

MEDIUM STATION PBW			
S No	**Description**	**30kV 10kA SL**	**30kV 10kA SM**
	Model	**PBW**	**PBW**
	OUTDOOR/ INDOOR		
	System earthing		
1	Highest system voltage kV rms	24	24
2	Nominal system voltage kVrms	22	22
3	Ur –Rated voltage kVrms	30	30
4	Uc -MCOV(kVrms)	25	25
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	85	80
	b) 10kA	90	85
	c)20kA	100	95
11	Max. Switch. Imp. RDV(kVp)		
	a) 500A	72	
	b) 1000A		68
	c) 2000A		
12	Max. Steep Current impulse RDV(kVp) at NDC	100	95
13	High current impulse withstand value (4/10 µs) kA	100	100
14	TOV (kVp)		
	i. 0.1	53	53
	ii. 1.0Sec	51	51
	iii. 10.0Sec	49	49
	iv. 100.0Sec	47	47
15	Short circuit current kA	25/31.5 (as applicable)	25/31.5 (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 400
	b. IC at MCOV in mA	About 1.2	About 1.4
19	Reference voltage in Volt at Reference current in mA	> 30kV at 2mA	> 30kV 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 Kgf	150	150

MEDIUM STATION PBC			
S No	**Description**	**30kV 10kA SL**	**30kV 10kA SM**
	Model	**PBC**	**PBC**
	OUTDOOR/ INDOOR		
	System earthing		
1	Highest system voltage kV rms	24	24
2	Nominal system voltage kVrms	22	22
3	Ur –Rated voltage kVrms	30	30
4	Uc -MCOV(kVrms)	25	25
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	85	80
	b) 10kA	90	85
	c) 20kA	100	95
11	Max. Switch. Imp. RDV(kVp)		
	a) 500A	72	
	b) 1000A		68
	c) 2000A		
12	Max. Steep Current impulse RDV(kVp) at NDC	100	95
13	High current impulse withstand value (4/10 µs) kA	100	100
14	TOV (kVp)		
	i. 0.1	53	53
	ii. 1.0Sec	51	51
	iii. 10.0Sec	49	49
	iv. 100.0Sec	47	47
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	> 30kV at 2mA	> 30kV 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 Kgf	150	150

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