

Surge Arrester

Metal Oxide Polymer Type

Polymer Arrester

Benefits

- Low residual voltages.
- Superior protection margin.
- High energy handling.
- Direct molded housing to prevent moisture ingress
- Hydrophobic and tracking resistant silicone housing
- Superior pollution performance
- Excellent cantilever and tensile performance
- Excellent mechanical, vibration and impact withstand capability
- Low thermal ageing of MOV insulation
- Simple design for quick installation and commission
- Light weight
- Capable to withstand seismic condition
- Uniform current sharing
- Maintenance free
- Tested in accordance with IEC60099-4 at NABL accredited laboratories
- Quality design and manufacturing as per ISO 9001.



Technical Specification :

Reference Standard : IEC 60099-4, ANSI IEEE Std. C62.11, IS 3070 part 3

Frequency : 48 - 62 Hz

Nominal Discharge Current : 5 kAp

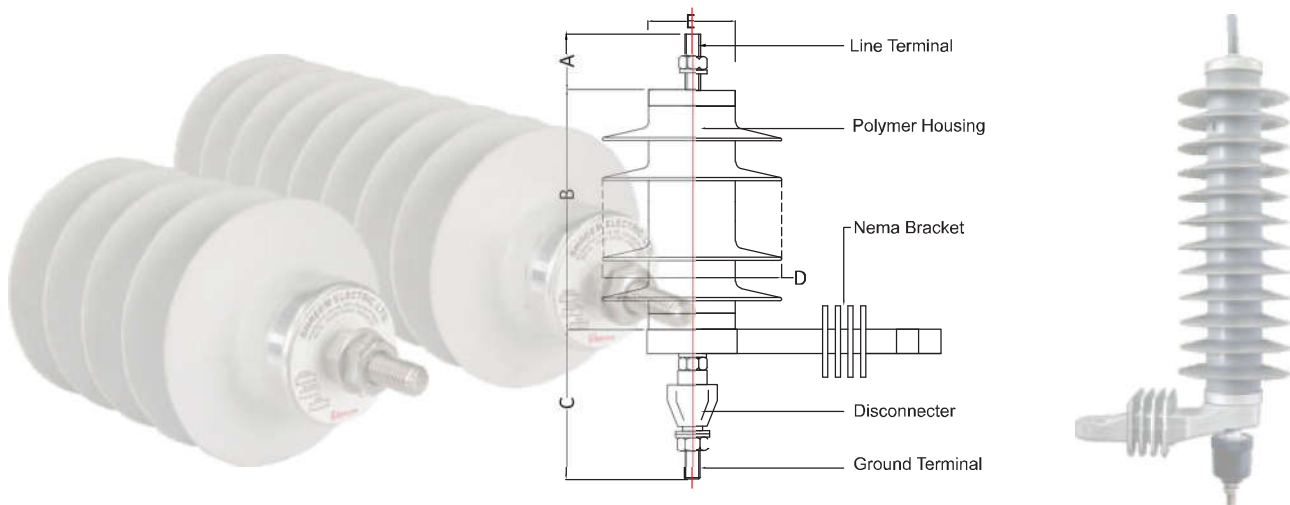
Rated Voltage	MCOV	TOV (min.)			Maximum Residual Voltage				Creepage (min.)
		1 Sec.	10 Sec.	100 Sec.	1/20 μ s Steep current impulse	8/20 μ s Lightning current Impulse			
kVrms	kVrms	kVrms	kVrms	kVrms	at 5 kA	2.5 kA	5 kA	10 kA	mm
3	2.6	3.5	3.3	3.2	9	7	8	10	100
6	5.1	6.9	6.6	6.3	19	14	17	21	310
9	7.7	10.4	9.9	9.5	32	27	30	32	310
12	10.2	13.8	13.2	12.6	38	35	36	44	310
15	12.8	17.3	16.5	15.8	48	42	44	48	600
18	15.3	20.7	19.8	18.9	62	50	54	62	600
30	25.5	34.5	33.0	31.5	103	72	82	102	900
33	28.1	38.0	36.3	34.7	110	93	102	113	900
36	30.6	41.4	39.6	37.8	122	105	118	124	900

Surge Arrester

Metal Oxide Polymer Type

Reference Standard : IEC 60099-4, ANSI IEEE Std. C62.11, IS 3070 part 3
 Frequency : 48 - 62 Hz
 Nominal Discharge Current : 10 kAP

Rated Voltage	MCOV	TOV (min.)			Maximum Residual Voltage					Creepage (min.) mm
		1 Sec.	10 Sec.	100 Sec.	1/20 μ s Steep current impulse at 10 kAP	30/60 μ s Switching current Impulse at 500 A	8/20 μ s Lightning Current Impulse			
kVrms	kVrms	kVrms	kVrms	kVrms			5 kAP	10 kAP	20 kAP	
3	2.6	3.5	3.3	3.2	8	7	7	8	10	100
6	5.1	6.9	6.6	6.3	20	15	14	17	21	310
9	7.7	10.4	9.9	9.5	28	18	22	26	32	310
10	8.5	11.5	11.0	10.5	33	22	25	29	35	310
12	10.2	13.8	13.2	12.6	40	29	30	36	44	310
15	12.8	17.3	16.5	15.8	48	35	38	46	56	600
18	15.3	20.7	19.8	18.9	59	43	46	56	68	600
21	17.9	24.2	23.1	22.1	70	50	54	66	71	600
24	20.4	27.6	26.4	25.2	79	57	62	75	83	600
27	23.0	31.1	29.7	28.4	92	62	72	86	95	900
30	25.5	34.5	33.0	31.5	102	70	85	96	105	900
33	28.1	38.0	36.3	34.7	110	77	95	106	116	900
36	30.6	41.4	39.6	37.8	122	86	103	116	125	900



Rating	ARRESTER DETAILS											
	A (Max.)		B (Max.)		C (Max.)		D (Max.)		E (Max.)		Creepage (Min.)	
	5 KA	10 KA	5 KA	10 KA	5 KA	10 KA	5 KA	10 KA	5 KA	10 KA	5 KA	10 KA
6	35	40	152	152	90	95	92	113	47	57	320	350
9	35	40	152	152	90	95	92	113	47	57	320	350
10	35	40	152	152	90	95	92	113	47	57	320	350
12	35	40	152	152	90	95	92	113	47	57	320	350
15	35	40	252	250	90	95	92	113	47	57	600	650
18	35	40	252	250	90	95	92	113	47	57	600	650
21	35	40	252	250	90	95	92	113	47	57	600	650
24	35	40	252	250	90	95	92	113	47	57	600	650
27	35	40	334	334	90	95	113	113	57	57	900	900
30	35	40	334	334	90	95	113	113	57	57	900	900
33	35	40	334	334	90	95	113	113	57	57	900	900
36	35	40	334	334	90	95	113	113	57	57	900	900