

Distribution Surge Arrester

Metal oxide arrester

Polymeric Housing

IEC 60099-4, Ed 2.0

Nominal discharge current: 10 kA

Line discharge class: 2

High current impulse 4/10 μ s: 100 kA

Energy absorption capability at

– Line discharge imp.: 6 kJ/kV Uc

– Long Duration Ipeak 530 A

Continuous operating voltage

Uc: 12 kV

Rated voltage

Ur: 15 kV

Short circuit rating (pre-failing method)

Rated short-circuit current 40 kA

Low short-circuit current 600 A

Safe non-shattering design

OCP2-12 -

Standard Creepage S

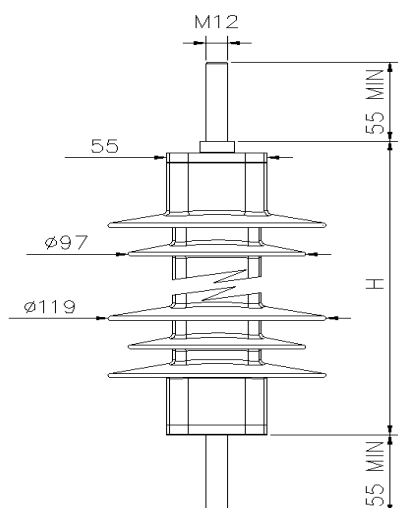
Long Creepage L

Mounting

Ground Lead

Line Lead

Dimensions



Arrester Housing

		S	L
Impulse voltage	1,2/50 μ s kV	145	165
Power frequency voltage	-wet: kV	47	57
Overall length, (H)	mm	183	220
Flashover distance	mm	176	214
Creepage Length	mm	380	505
Weight	kg	1.8	2.2
No of Sheds:		5	7
Cantilever strength *	Nm	350	350
Pull strength	N	2000	2000
Max. Torque M12 *	Nm	50	50

* Ref: Thermomechanical bending moment test 60099-4

100% Routine testing

- Residual Voltage
- Reference Voltage
- Partial Discharge

Residual Voltages (kV)

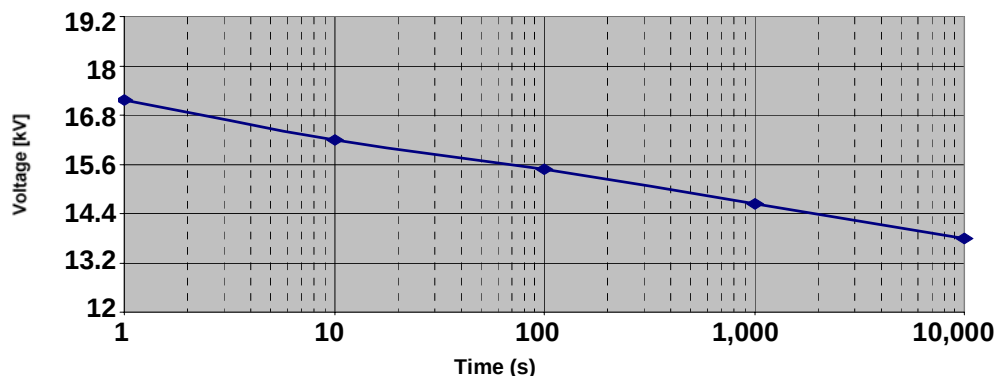
Lightning current impulse 8/20 μ s:			Steep lightning current impulse 1/20 μ s	Switching current impulse 30/60 μ s	
5 kA	10 kA	20 kA	10 kA	125 A	500 A
36.7	38.9	43.4	40.4	29.5	31.1

Power frequency voltage versus time

1 Sec. TOV: 17.2 kV

100 Sec. TOV: 15.5 kV

OCP2-12 TOV (with prior energy)



Marking

Bowthorpe

MO Surge Arrester

50/60 Hz

IEC 60099-4

Isc 40 kA

In 10 kA Class 2

OCP2-12

Uc: 12 kV

Ur: 15 kV

Manufacturing Year

MVSA-118-002-39/04-2