

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: 41 kV

Rated voltage

Ur: 51.25 kV

Short circuit rating (pre-failing method)

Rated short-circuit current 40 kA

Low short-circuit current 600 A

Safe non-shattering design

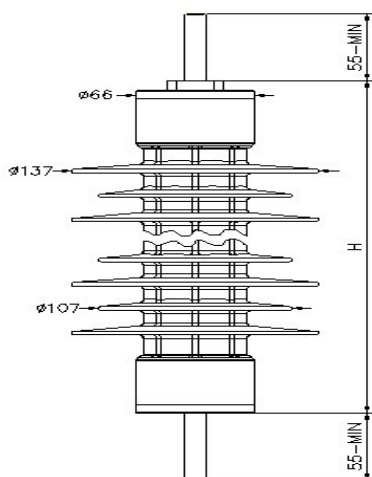
OCP2-41M - ☐ ☐ ☐

Mounting

Ground Lead

Line Lead

Dimensions (mm)



Arrester Housing

Impulse voltage	1,2/50 μ s kV	250
Power frequency voltage	-wet: kV	122
Overall length, (H)	mm	423
Flashover distance	mm	418
Creepage Length	mm	1279
Weight	kg	4.65
No of Sheds:		15
Cantilever strength *	Nm	250
Pull strength	N	2000
Max. Torque M12 *	Nm	50

* Ref: Thermomechanical & bending moment test 60099-4

100% Routine testing

- Residual Voltage
- Reference Voltage
- Partial Discharge

Residual Voltages (kV)

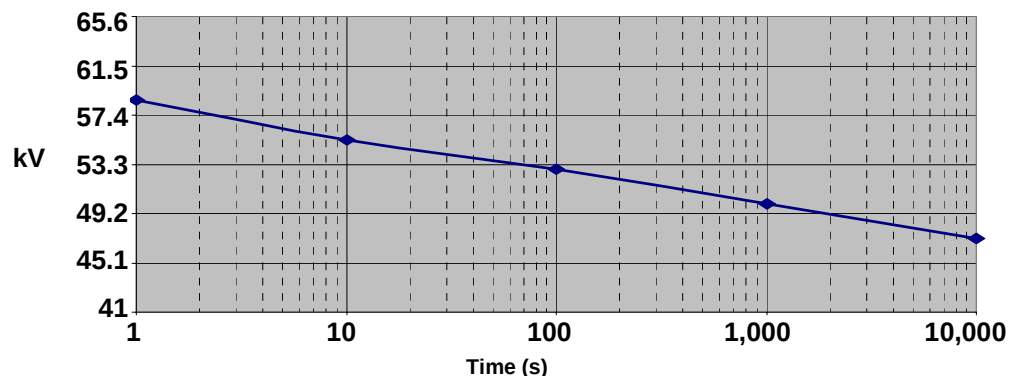
Lightning current impulse 8/20 μ s:			Steep lightning current impulse 1/20 μ s	Switching current impulse 30/60 μ s	
5 kA	10 kA	20 kA	10 kA	125 A	500 A
125.5	132.8	148.2	138.1	100.8	106.1

Power frequency voltage versus time

1 Sec. TOV: 58.6 kV

100 Sec. TOV: 52.9 kV

OCP2-41M TOV (with prior energy)



Marking

Bowthorpe

MO Surge Arrester

50/60 Hz

IEC 60099-4

Isc 40 kA

In 10 kA Class 2

OCP2-41M

Uc: 41 kV

Ur: 51 kV

Manufacturing Year

DS-232-000-36/06-0-EN