

ATP - Surge Arresters



Atlantic Power Surge arresters complete our reliable product solutions designed for fault-free distribution of electricity. The surge arresters have been developed to endure the different temperature variations. The surge arresters have been designed and type tested according to IEC60099-4:2004 standard. Furthermore, Atlantic Power has additional tests to ensure that the arresters fit the challenging conditions.”



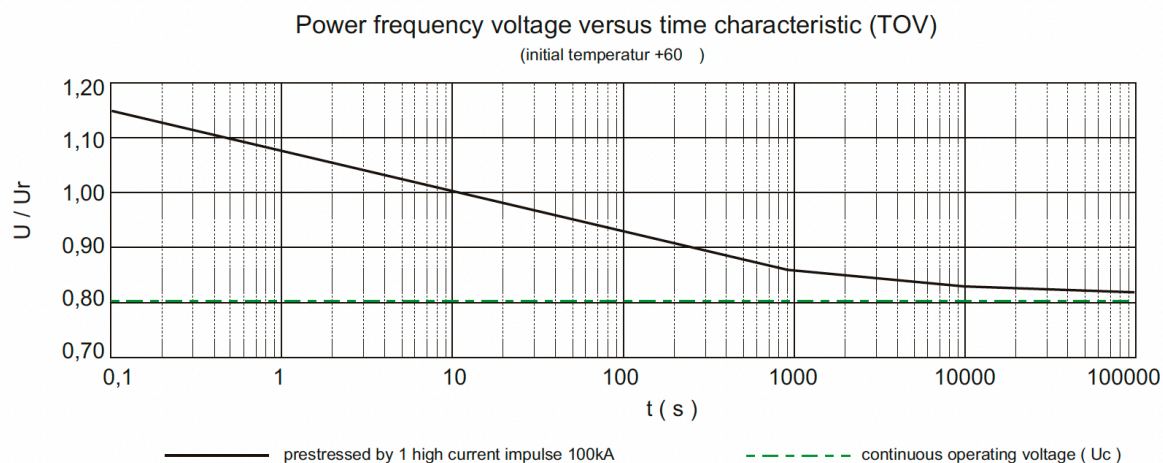
Main technical parameters

Metal Oxide Polymer Housing (Gapless) type Surge Arrester (5kA)						
Rated Voltage Ur,kV	9	12	15	21	24	30
MCOV, kV	7,75	10,2	12,5	17,0	20,0	24,0
Nominal current In, kA	5					
Current Withstand Capacity 4/10µs, kA	65					
Current Withstand Capacity 2ms, A	150					
Residual voltage with 8/20 µs current impulse, kV	27	36	45	63	72	95
Residual voltage at 30/60 µs current impulse, kV	24	32	40	56	64	75
Power frequency withstand voltage (wet) kV	25	35	35	55	65	65
Max. Energy Discharge Capability kJ/kV - UC	2.8 Class1(IEC 60099-4)					
Creepage distance, mm	450	550	550	750	850	944
Length H, mm	260	290	290	350	381	470
Arc Distance h,mm	150	180	180	240	271	340
Fig No.	Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5	Fig. 6

Main technical parameters

Metal Oxide Polymer Housing (Gapless) type Surge Arrester (10kA)						
Rated Voltage U_r , kV	9	12	15	21	24	30
MCOV, kV	7,75	10,2	12,5	17,0	20,0	24,0
Nominal current I_n , kA	10					
Current Withstand Capacity 4/10 μ s, kA	100					
Current Withstand Capacity 2ms, A	250					
Residual voltage with 8/20 μ s current impulse, kV	27	36	45	63	72	95
Residual voltage at 30/60 μ s current impulse, kV	24	32	40	56	64	75
Power frequency withstand voltage (wet) kV	25	35	35	55	65	65
Max. Energy Discharge Capability kJ/kV - UC	2.8 Class(I(IEC 60099-4)					
Creepage distance, mm	450	550	550	750	850	944
Length H, mm	260	290	290	350	381	470
Arc Distance h, mm	150	180	180	240	271	340
Fig No.	Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5	Fig. 6

Distribution type surge arrester



Dimensions

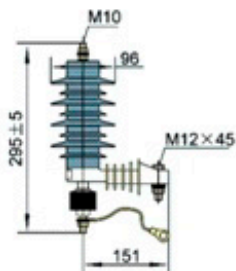


Fig. 1

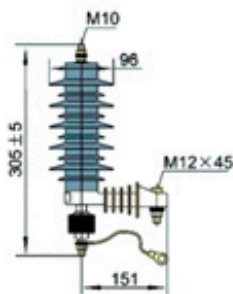


Fig. 2

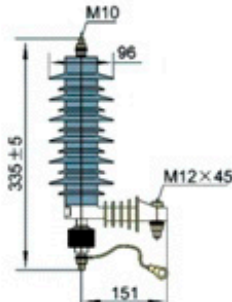


Fig. 3

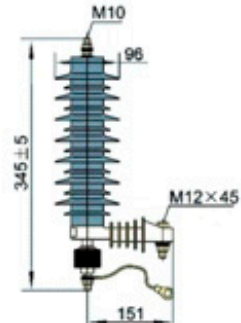


Fig. 4

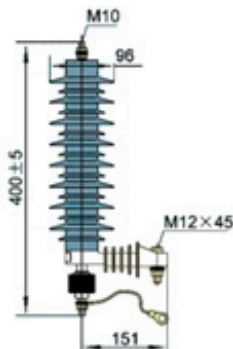


Fig. 5

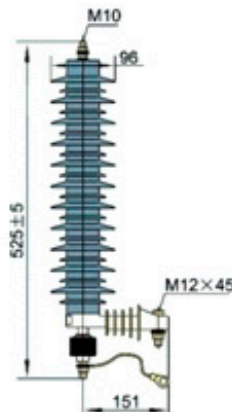


Fig. 6

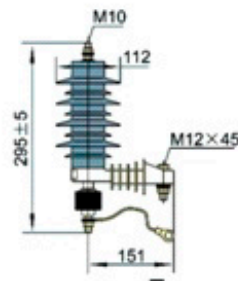


Fig. 7

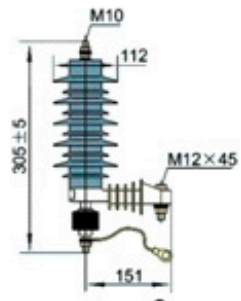


Fig. 8

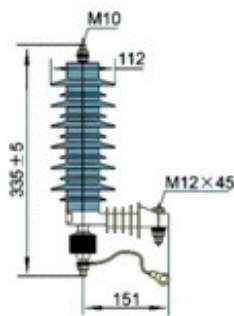


Fig. 9

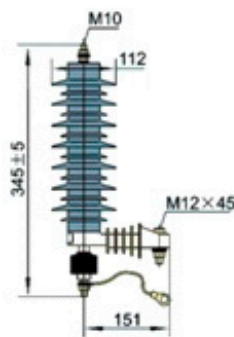


Fig. 10

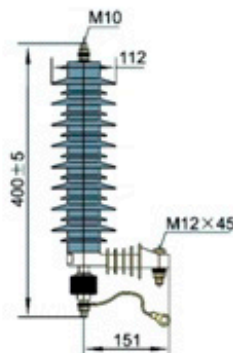


Fig. 11

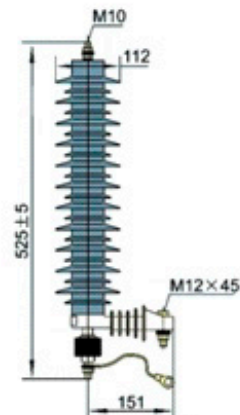
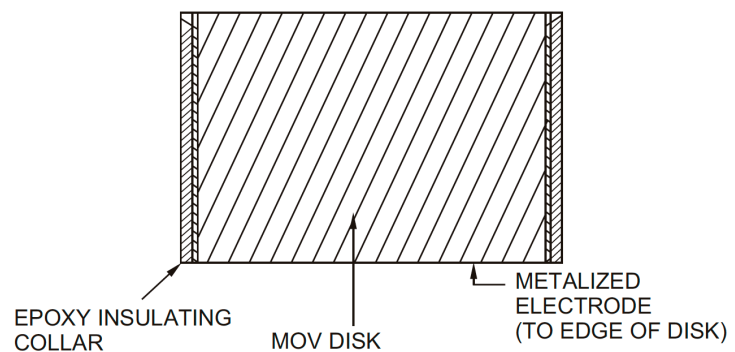


Fig. 12

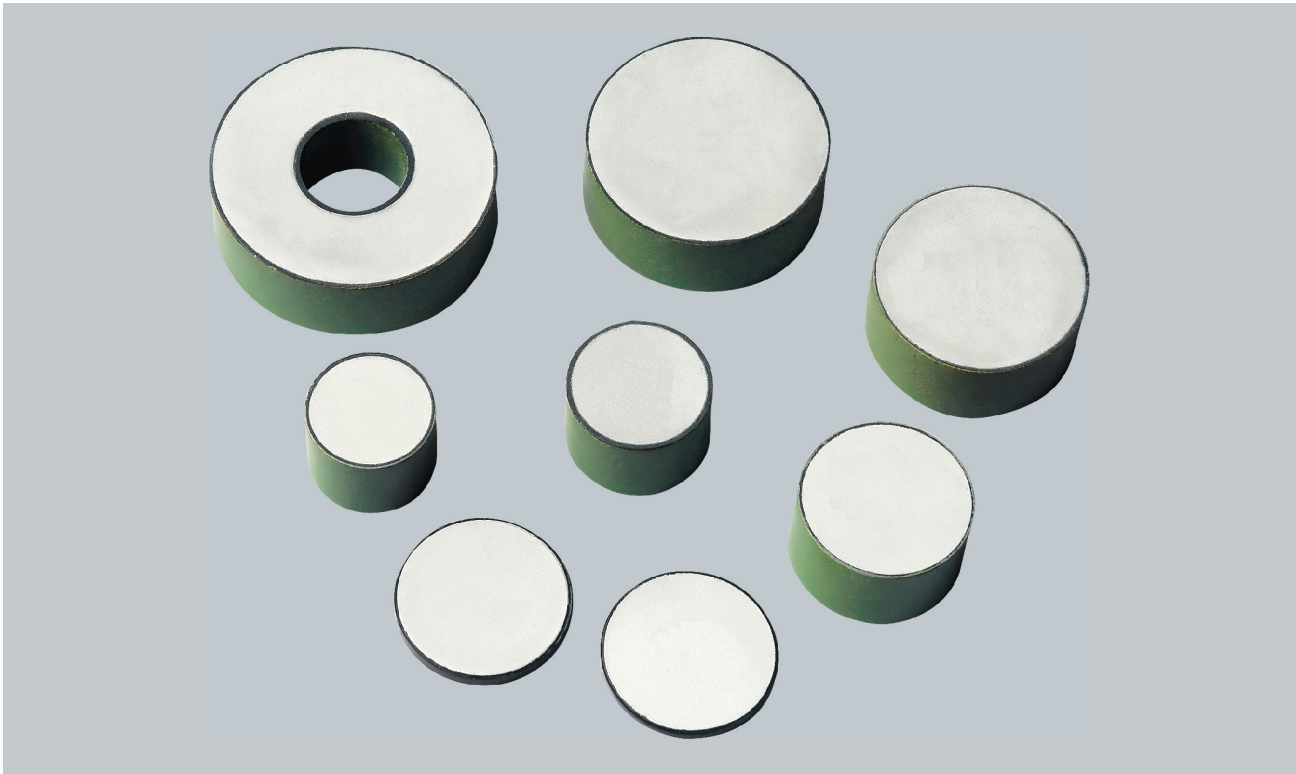
Features

- Excellent non-linear characteristics.
- Full face metalized electrodes.
- 100% production tested.
- All rating available.



Metal-oxide varistor

We are known as a leader in the developing and manufacturing of these highly engineered ceramics. Years of manufacturing experience allow us to have capability to harmonizing the each electrical performance.



IEC standard	5kA	5kA	10kA	10kA	10kA	10kA
Rated Voltage (kV rms)	1,5	3	1,5	3	4	3
U 1mA.DC (kV-DC)	2,5	5	2,5	5	6,7	5
Residual Voltage Ratio (8/20 s)	1,85	1,85	1,7	1,7	1,7	1,66
Current Withstand Capacity 4/10 s kA	65	65	100	100	100	100
Current Withstand Capacity 2ms A	150	150	350	350	350	600
Diameter mm	35	35	42	42	42	52
Height mm	11	22	11	22	27	22

