

Description

Lightning arrester, also named surge arrester is a over-voltage protector, it has Polymer lightning arrester and Porcelain lightning arrester it's mainly used for Distribution networks, Transmission line, Substation, Railway power station and etc., to protect transformer, cable connector, capacitor, instrument transformer, motor, generator and power equipment from being damaged by over-voltage transient caused by external lightning and internal switching event.

The core components (called resistor disc) of metal oxide surge arrester is Zinc oxide varistor, it has a excellent nonlinear(VA) characteristics, which has large through-current capability at over-voltage, good pressure ratio, consistency, also has a good steep wave response characteristics, no delay to steep wave voltage, low operating residual voltage, no discharge dispersion, to avoid effectively the overvoltage damage to power transmission and distribution equipments.

Polymer housed products with a six CTI level, creepage distance meets the requirements of IV level in heavy pollution areas. It conforms to IEC60099-4,ANSI,GB standard.

Environment Conditions

- Ambient temperature: -40°C ~+40°C
- Altitude : not exceed 2000m (the altiplano area should be indicated when order)
- Earthquake intensity: not more than 8 degrees;
- Maximum wind velocity : lower than 35m/s;
- Rated frequency : 48HZ ~62HZ
- Power frequency voltage should be less than continuous-running voltage;
- The clear indication should be given for the application of contamination area.

| Model | Rated voltage MOA (kV) | Continuous Operating Voltage MCOV(kV) | Nominal Discharge Current (kA) | 1mA D.C reference voltage (kV) | Max. Residual Voltage under | | | 2mS Square wave current impulse withstand (A) | 4/10mS High current impulse withstand (kA) |
|----------|------------------------|---------------------------------------|--------------------------------|--------------------------------|----------------------------------|---------------------------------------|--|---|--|
| | | | | | 1/4μS Steep current impulse (kV) | 8/20μS Lightning current impulse (kV) | 30/60μS Switching current impulse (kV) | | |
| YH5W-90 | 90 | 72.5 | 5 | 130 | 270 | 235 | 201 | 600 | 65 |
| YH10W-90 | 90 | 72.5 | 10 | 130 | 264 | 235 | 201 | 600 | 100 |

Note: We can also provide a customized solution for the arresters with different creepage distance and a wide range of connectors & accessories according to supplied drawings and parameters.

Tag: Polymer housing surge arrester, Metal Oxide lightning arrester, Composite arrester

Outline Dimension

Send a inquiry