



48KV 10kA Polymer Surge Arrester

Model:YH10W-48C1200

M.V. Polymer Surge Arresters are used to protect transformers and other equipments in station and distribution systems against the damage by atmospheric (especially lightning effects) and operational conditions. Metal oxides Surge arresters without gaps are designed to prevent probable damages in the case of typical surges in energy systems while it has no negative effect on energy systems in normal operation voltage. This special feature of gapless arresters originating from non-linear

characteristics of metal-oxide varistors between voltage and current scales. The non-linear feature is much higher compared to silicon carbide Surge arresters.

Product Introduction

Normal service conditions

1. The ambient temperature: $-40^{\circ}\text{C} \sim +40^{\circ}\text{C}$
2. The altitude above sea level :not exceed 1000-2000m (the altiplano area should be indicated when order)
3. Earthquake intensity: not higher than 7 degrees;
4. Maximum wind velocity :less than 35m/s.
5. The filthy area should be given clear indication.

Product Feature

The zinc oxide lightning arrester is the most advanced over-voltage protector in the world. Due to make the resistor disc of core component mainly adopt zinc oxide arrester. Compared with the conventional silicon carbide arrester, this prescription of the product improves greatly the volt-ampere characteristics of the resistor disc and increase through- current capability at over-voltage so as to bring a radical change for the characteristics of the arresters.

*Rated Voltage(U_r): 48kV

*Nominal Discharge Current(I_n): 10kA

*Max. Continuous Operating Voltage (U_c): 38.5KV

*Frequency: 50/60Hz

*Max. Residual Voltage Corresponding to

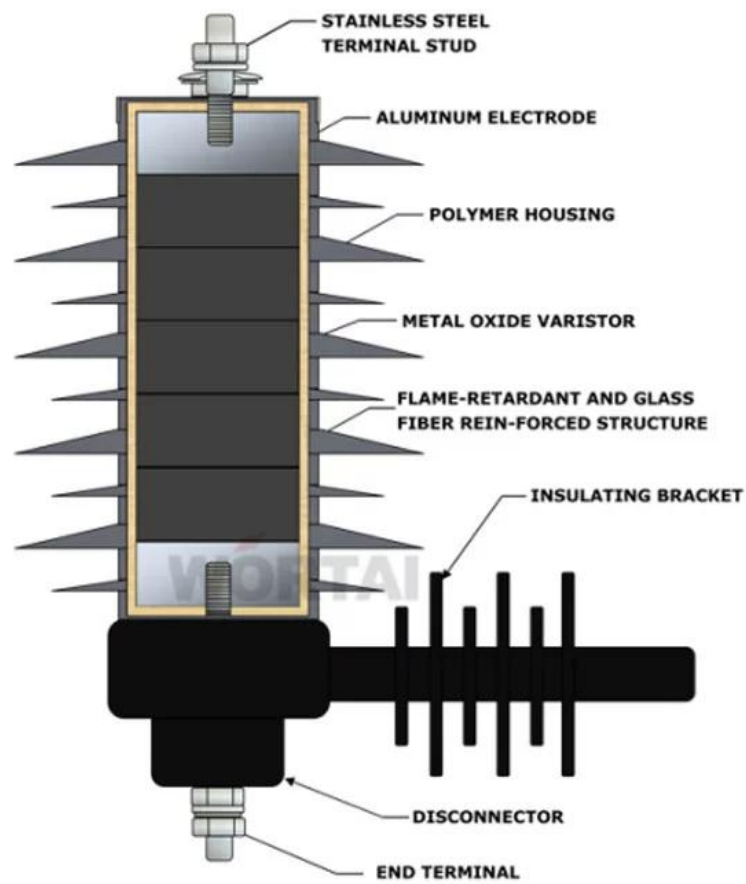
a) Steep Current Impulse: 148KV

b) Lightning Impulse Level at Nominal discharge current: 139kV

c) Switching Current Impulse Level: 112kV













* 4/10 μ s High Current Impulse(I_{max}): 100kA

* Creepage distance: 1200mm



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