



Station Type Surge Arrester 30KV 10kA

Model:YH10WZ-30C1080

The zinc oxide surge 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 rad local-changes for the characteristics of the arresters.

Product Introduction

YH10WZ-30C1080 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 SiC surge arresters.

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 Parameter (Specification)

Description	Unit	Value
Rated voltage	KV	30
Nominal discharge current	KA	10
Rated AC system frequency	Hz	50 / 60
Continuous operating voltage(rms)	KV	24
1/4 μ s steep current impulse (crest)	KV	100
8/20us Lighting impulse residual voltage(crest)	KV	90

30/60us Switching current impulse	KV	75
Rectangular current withstand 2ms	A	400
4/10us High current impulse withstand(crest)	KA	100
Leakage/Creepage Distance	mm	1080

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