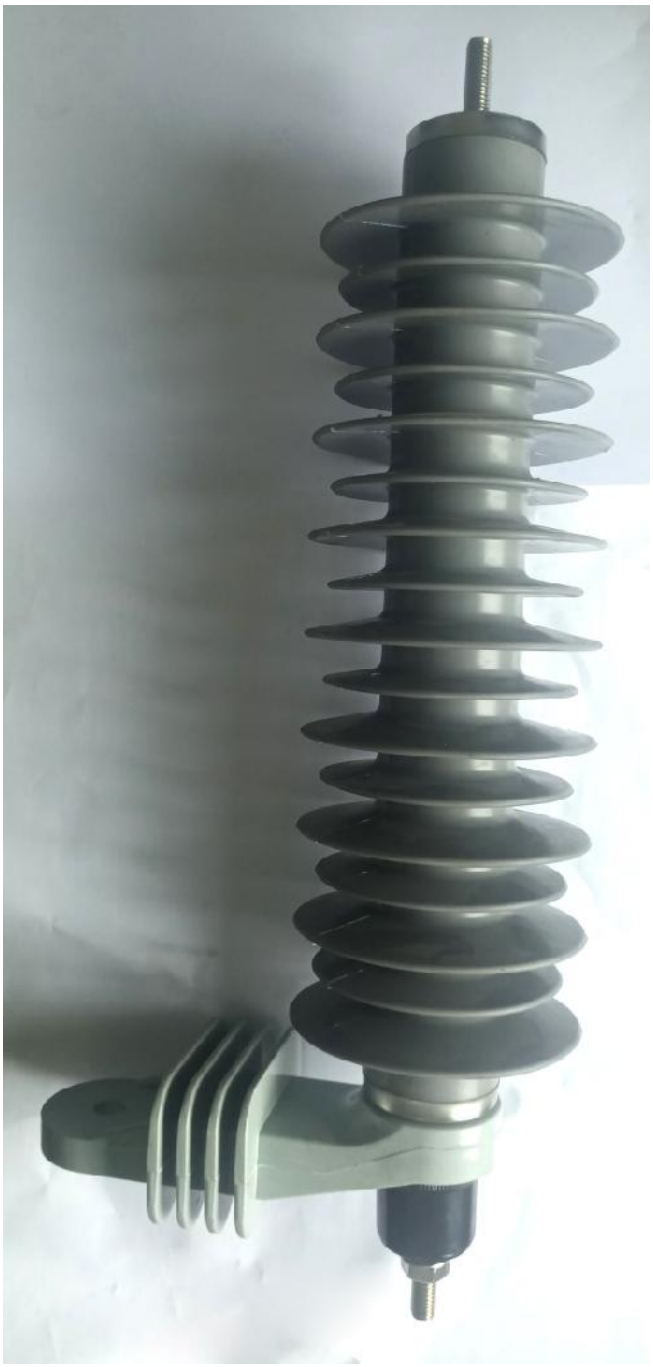
ZEONICS SYSTECH
DEFENCE & AEROSPACE ENGINEERS (P) LTD.

Surge Arrestors

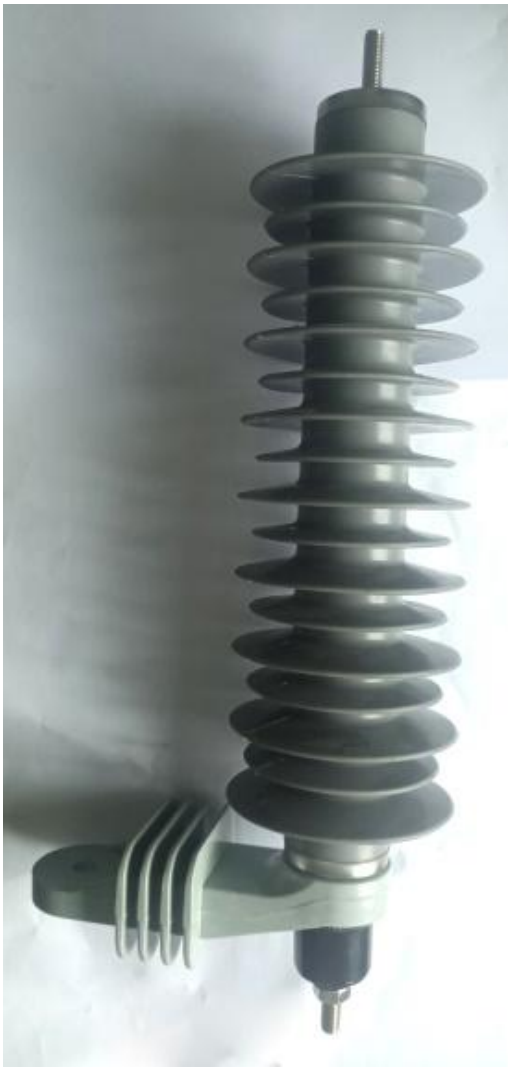


Proudly Made in INDIA

Introduction

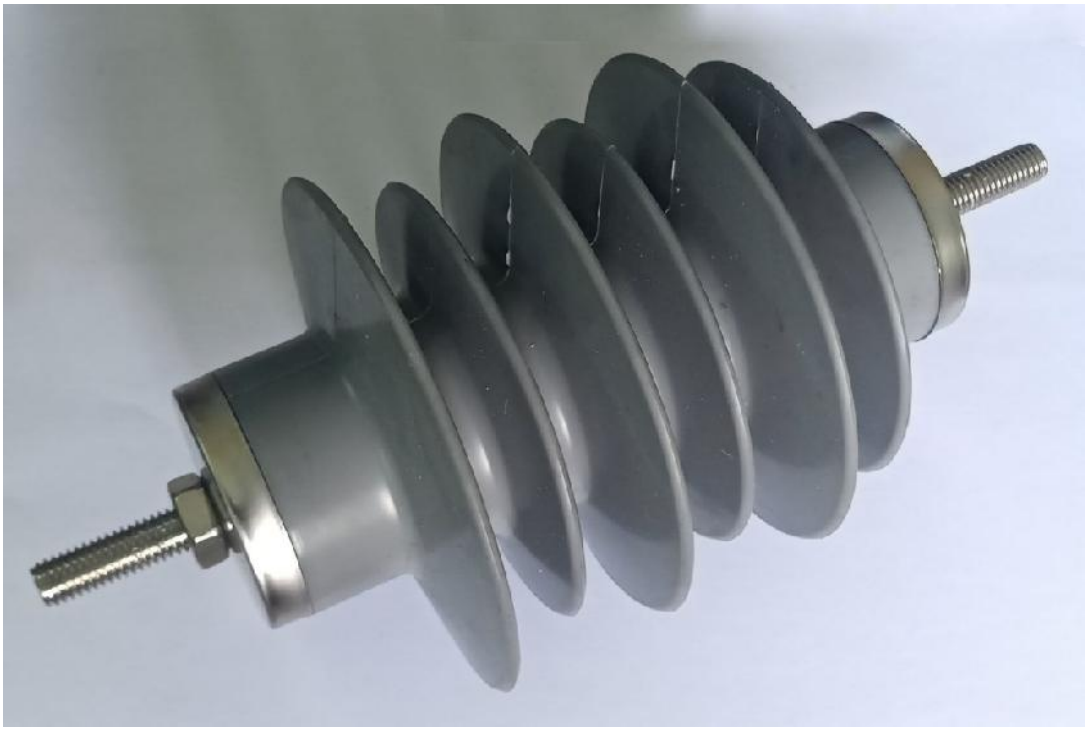
Zeonics Systech surge arresters are the primary protection against atmospheric and switching overvoltages. They should be connected in parallel with the system to be protected so that the surge current is diverted to earth.

The active elements (MO resistors) of the surge arresters are manufactured using a highly non-linear ceramic resistor material, composed primarily of zinc oxide (ZnO) mixed with other metal oxides and sintered together.



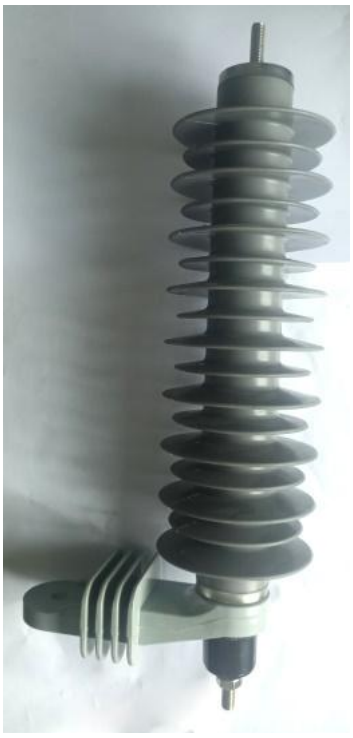
33kV Zinc Oxide Surge Arrester

1. Rated Voltage : 33kV
2. Surge Current : 5kA or 10kA
3. 8/20μs Lightning Current Impulse : 99kV



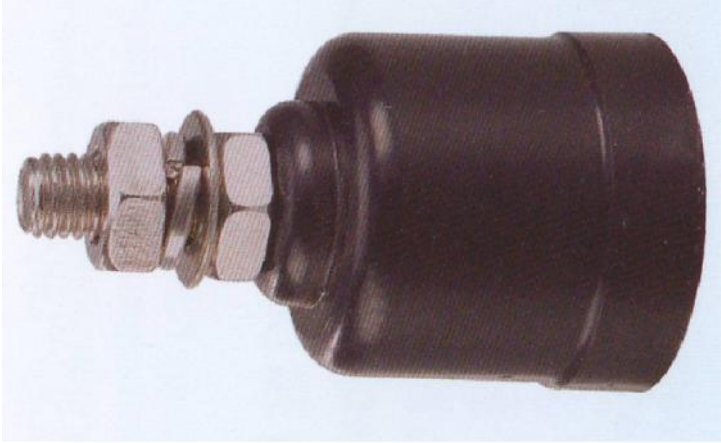
11kV Zinc Oxide Surge Arrester

1. Rated Voltage : 11kV
2. Surge Current : 5kA or 10kA
3. 8/20μs Lightning Current Impulse : 30kV



66kV Zinc Oxide Surge Arrester

1. Rated Voltage : 66kV
2. Surge Current : 5kA or 10kA
3. 8/20μs Lightning Current Impulse : 198kV



Arrester Disconnector

Power Frequency	Operation Time
20A	<0.5s
200A	<0.04s
800A	<0.02s

Applications

A surge arrester is used to protect sensitive electrical and electronic equipment from over voltage. Surge protectors work by diverting the excess charge (the cause of over voltage) through the earth.

Advantages

The active elements (MO resistors) of the surge arresters are manufactured using a highly non-linear ceramic resistor material, composed primarily of zinc oxide (ZnO) mixed with other metal oxides and sintered together.

Strong focus on quality at all stages, from raw material through to finished product, ensures that Zeonics Systech surge arresters survive the designed stresses with ease and with good margins.

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