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Chapter 3

Suspension Type Insulators

3.5 Double Shed Suspension Insulator

By Orient Power

Double Shed Suspension Insulator



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Disc suspension insulator profile types:

- Standard design insulator
- Bell type insulator
- Double shed suspension insulator
- Aerodynamic disk suspension insulator

Double shed suspension insulator definition:

Belongs to anti-pollution type insulator

No ribs on the sheds

Open profile design

Advantage of double shed suspension insulator:

- Low rate of pollution accumulation
- Higher Creepage distance
- Better self-clean ability under rain

In power system, when the insulators are running on the line, pollution flashover always happens. According to the statistics, although the pollution flashover accident is not so frequent than lightning accident, the loss it causes is much more serious than lightning damage. A large area power off can lose millions or even tens of millions degree of power. Double shed design is a better way to solve the pollution flashover damage, and is widely used in China.

Double shed insulator has better performance under pollution than bell type in some areas.

More information can be found on Orient website.