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Chapter 3

Suspension Type Insulators

3.7 Aerodynamic Suspension Insulator

By Orient Power

Aerodynamic Suspension Insulator



Aerodynamic insulator is a type a suspension insulator. Its profile is an open type, and that is the aerodynamic suspension insulator profiles have no ribs on bottom surfaces.

The advantage of aerodynamic insulator:

- Mitigate the pollution accumulation rate
- Increase anti-pollution ability by not increasing the Creepage distance
- Lower levels of ESDD when not directly exposed to salt spray
- Better electrical performance for the same connection length

Areas which use the aerodynamic disk profile insulator:

- Dry conditions
- Desert

Materials of open profile disc insulator:

- Porcelain aerodynamic insulator
- Glass type aerodynamic insulator

Except aerodynamic insulator, there are still standard profile disk insulator, bell type anti-pollution insulator, double sheds, tri-shed profile disc suspension insulator, each insulator has its advantage, the end user should choose the right type according to the insulator set up conditions, so that the best performance can be reached.

More information can be found on Orient website.



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