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Chapter 5

Composite Insulator Design

5.3 Insulator Drawing

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Insulator Drawing



Composite insulators have many advantages over the ceramic insulators such as good performance in contaminated environment, light weight, easy handling, so now it is widely used.

Composite insulator components are mainly:

- ✧ Core: is made of glass fibers
- ✧ Housing
- ✧ Weather sheds
- ✧ End fitting:
- ✧ Coupling zone
- ✧ Interface

An insulator drawing should be according to the above parts and illustrate them specifically.

Insulator drawing types:

Insulator production drawing: with detailed dimensions

Insulator mould drawing: with mould components dimensions

Product drawing: with main parameters and dimensions for customers

The above 2D drawings can also be designed to 3D drawings to see more clearly before the products are made.

Insulator drawing contents:

Insulator components, Dimensions, Tolerances

Technical parameters

Edition, scales

Design person, approval person, drawing date

Company name, Drawing number, product name

Other necessary things needed



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