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Chapter 2

LV Insulator Types

2.3 S05 shackle insulator

By Orient Power

S05 shackle insulator



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S05 insulator is one type insulator of shackle insulator, also known as butterfly insulator which is widely used in African countries.

Connection fitting

S05 or SO5 insulator is used with D-bracket fitting, the D-brackets are used to fix on shackle and spool insulator at the low voltage line.

S05 butterfly insulator application

S05 shackle insulator mainly function is to fix the conduct wire and insulate

S05 shackle insulator's color

- Brown
- Grey
- White

White color is widely used.

The technical data of S05 shackle insulator

Rated voltage: 400V

Mechanical failing load: 17.8kN

Power frequency flashover voltage

Dry: 25kV Wet: 12kV

S05 is used by Eskom, African countries, and it already becomes a standard for insulators tenders.

More information about other type insulators can be found in Orient website.