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MEDIUM VOLTAGE SWITCHGEAR ACCESSORIES

Content of Medium Voltage Accessories

- **MEDIUM VOLTAGE SWITCHGEAR ACCESORIES**
  - * **SF6 Gas Insulated Circuit Breakers**
  - * **Vacuum Insulated Circuit Breakers**
  - * **SF6 Gas Insulated Load Break Switches** (Earth Blade)
  - * **SF6 Gas Separators** (Earth Blade)
  - * **Air Insulated Rotary Separators**
  - * **Earthing Disconnectors**
  - * **Cable Terminations**
    (Heat Shrinkable Straight Type,Elbow Type, T Type)

- **MEDIUM VOLTAGE DISCONNECTORS**
  - **Outdoor Type Switch Disconnectors**
    - * Fuse Type Switch Disconnector with Earthing
    - * Fuse Type Switch Disconnector without Earthing
    - * Switch Disconnector with Earthing
    - * Switch Disconnector without Earthing
  - **Indoor Type Switch Disconnectors**
    - * Fuse Type Switch Disconnector with Earthing
    - * Fuse Type Switch Disconnector without Earthing
    - * Switch Disconnector with Earthing
    - * Switch Disconnector without Earthing
  - **Medium Voltage Fuse for Indoor&Outdoor Disconnector**

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OUTDOOR TYPE SWITCH DISCONNECTORS

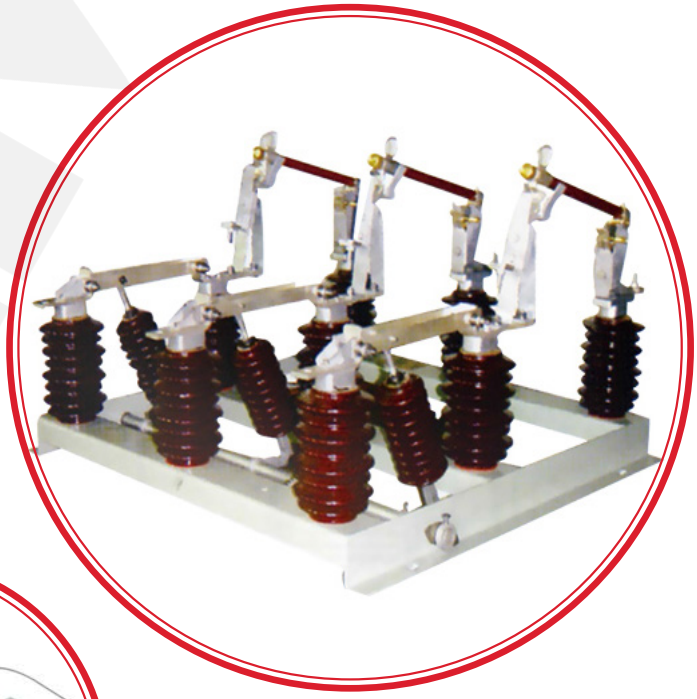


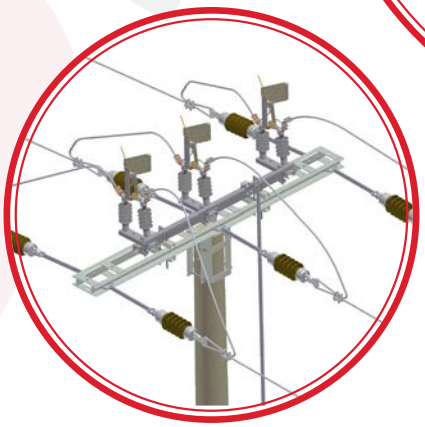

GENERAL INFORMATION

Medium voltage outdoor disconnectors are manufactured by using high quality materials and provide a safe area to work. For the best volition of main and earthing shafts; the shaft bearings are produced of brass. Using brass also prevents moulding. Shafts, frames, joints, control mechanism, pipe tongs and shaft couplings of the disconnectors are hot-dip galvanized. Other hardware materials of the product are zinc and cadmium plated. 20mm/kV porcelain insulators are used for the disconnectors. All copper terminals and surface of copper handles that touch the terminals are electro-silver plated. Double coil springs are used in order to ensure that copper handles touch terminals properly.

TYPES

- **Fuse Type Switch Disconnector with Earthing**
- **Fuse Type Switch Disconnector without Earthing**
- **Switch Disconnector with Earthing**
- **Switch Disconnector without Earthing**





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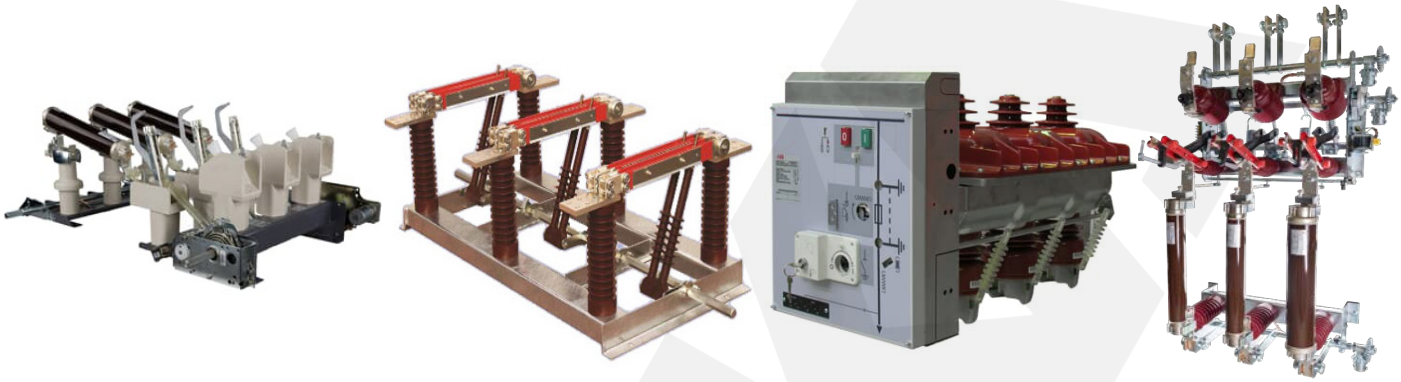
INDOOR TYPE SWITCH DISCONNECTORS

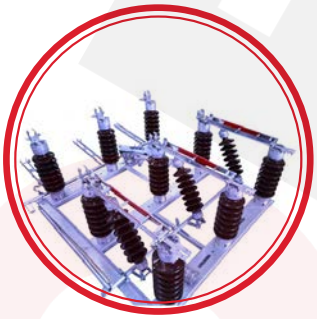


GENERAL INFORMATION

Medium voltage indoor disconnectors are manufactured by using high quality materials and provide a safe area to work. For the best volition of main and earthing shafts; the shaft bearings are produced of brass. Using brass also prevents molding. Shafts, frames, joints, control mechanism, pipetongs and shaft couplings of the disconnectors are hot-dip galvanized. Other hardware materials of the product are zinc and cadmium plated. All copper terminals and surface of copper handles that touch the terminals are electro-silver plated. Double coil springs are used in order to ensure that copper handles touch terminals properly.

TYPES

- **Fuse Type Switch Disconnector with Earthing**
- **Fuse Type Switch Disconnector without Earthing**
- **Switch Disconnector with Earthing**
- **Switch Disconnector without Earthing**



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MEDIUM VOLTAGE FUSE FOR INDOOR&OUTDOOR DISCONNECTOR

GENERAL INFORMATION

The main function of current-limiting fuses is to protect electrical apparatus, such as distribution transformers, motors, and capacitor banks against overload currents. Fuses can operate as sole devices or can be combined with air/SF6 insulated switch disconnectors. The choice depends on each application's requirements and specific network conditions. One of the most critical factors for optimum protection is proper fuse selection. This can be done based on theoretical calculations but in many cases, the practical knowledge obtained from actual test results could make it easier and even more reliable. Current limiting fuses have been designed to ensure safe operation in the open air and for limited heat dissipation in installations such as gas-insulated switchgear.

APPLICATIONS

Medium Voltage Fuses are used to protect transformers, capacitor banks, cable and overhead lines against short circuits. They protect switchgear from thermal and electromagnetic effects of heavy short circuit currents by limiting the peak current values (cut off characteristic) and interrupting the currents in several milliseconds.

ADVANTAGES

- **It is the cheapest form of protection, and it does need any maintenance.**
- **Its operation is completely automatic and requires less time as compared to circuit breakers.**
- **The smaller sizes of fuse elements impose a current limiting effect under short-circuit conditions.**
- **Its inverse time-current characteristic enables its use for overload protection.**