HV switch cabinet

Product overview

KYN type series armored removable metal enclosed switchgear (hereinafter referred to as "switch cabinet") is a 50Hz three-phase AC HV indoor complete power distribution device. It is used for receiving and distributing power energy in power plants, substations and industrial and mining companies, and has control, protection and detection functions for circuits. It can also be used in the area where the control operates frequently.

Working environment

- Installation place: indoor;
- Ambient air temperature: -25°C-+40°C;
- Relative humidity: daily average is not more than 95%, and the monthly average is not
- more than 90%;
- Altitude: not above 1,000m;
  Earthquake protection class: AG3
  Installation environment: Surrounding air shall not be significantly polluted by dust, smoke, corrosive and/or combustible gases, steam or salt spray.

Main characteristics of product

- Assembly type cabinet structure is used. The circuit breaker is in floor-mounted handcart structure;
- New type composite insulated vacuum circuit breaker is provided; in addition, it is characterized by good interchangeability and easiness in maintenance;
- A screw nut is installed in the handcart frame to push the mechanism. Therefore, the handcart can be moved easily and it can prevent the damage of the pushing structure by misoperation;
- All operations are completed with the cabinet door closed;
- The main switch, handcart and switch cabinet are connected by forced mechanical interlock, and the function requirements of "five-preventing electric mal-operation" are met;
- The cabinet shell density is high, which can protect the cabinet from being invaded by debris and pests. The IP protection class of the shell is IP4X;
- The cabinet structure part is made by assembly of aluminum coated zinc plate after multiple bending. It is fully portioned using metal armouring;
- The secondary wires are laid in the trunking of size with redundancy. It is easy to wire;
- There is enough space in the cable room for connecting multiple cables, and it is convenient for installation and maintenance.

Note: When the working environment of the switches is out of the scope mentioned above, it shall be determined by the user and manufacturer through consultation.

Dongfang Electronics Co., Ltd
Tel: 0535-5520928, Fax: 0535-5520930, Web: www.dongfang-china.com, Email: idf@dongfang-china.com

Ring network cabinet

Product overview

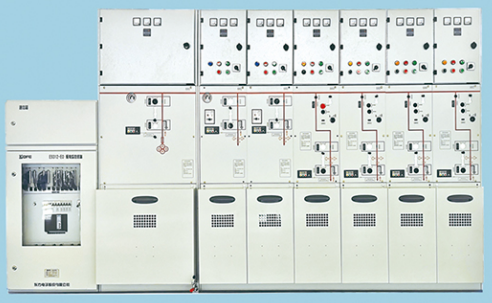
A ring network cabinet is kind of fully-insulated and fully-enclosed common box type modular ring network switchgear, and is the main equipment for realizing ring power supply of the grid. Ring network refers to the ring power distribution network, i.e. the power supply mains form a closed loop. The power supplies electricity to the ring mains, and the power electricity is then distributed outside from the mains via the HV switch through each circuit.

The standard modules of the ring network cabinet include model C, C1, F, V, V1, S, D, M, Cpt, P and BR/L. Different functional modules can be combined into non-expandable units randomly. When it is necessary to have 7 or more unit modules to be connected, different modules can be designed into expandable units through special connectors, to achieve diversified unit combinations, and maximize the power supply and distribution design schemes required by different users.

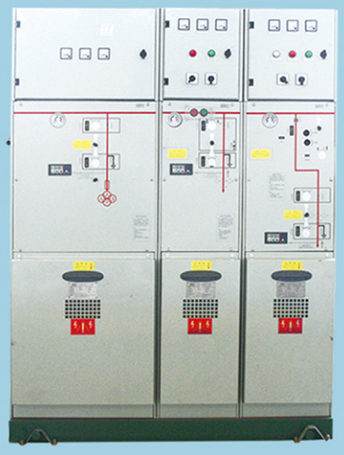
Working environment

Installation site: outdoor or indoor;
Ambient air temperature: -44°C-+55°C;
Relative humidity: daily average is not more than 95%, and the monthly average is not more than 90%;
Altitude: not above 1,000m;
Earthquake intensity: not higher than Magnitude 9.

Note: When the working environment of the switches is out of the scope mentioned above, it shall be determined by the user and manufacturer through consultation.



SF6 gas ring network cabinet



SF6 gas ring network cabinet

Solid ring network cabinet

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Tel：0535-5520928，Fax：0535-5520930，Web：www.dongfang-china.com，Email：idf@dongfang-china.com

LV switch cabinet series

Product overview

The complete LV switchgear is suitable for AC 50HZ three-phase four-wire and three-phase five-wire power systems with rated current below 7,500A as the equipment receiving and distributing electricity energy. It is widely applied in the power distribution center and motor control center of power plants, substations, factories and mines and high-rise buildings.

The cabinet structure used is highly flexible and is maintenance free after being assembled. Future development space is taken into full account in the rectification system to avoid the risk of being eliminated due to technological development. Different standard units can be installed in the cabinet to meet various use requirements. It is suitable for different working environments and could reach corresponding protection level.

Our products include MNS draw-out type LV switch cabinet, GGD fixed LV switch cabinet and SIVACON 8PT LV power distribution cabinet of Siemens (authorized partner).

Working environment

Installation place: indoor;
Applicable temperature: -25°C ~ +40°C
Relative humidity: daily average is not more than 95%, and the monthly average is not more than 90%;
Altitude: not above 2,000m;
Earthquake intensity: AG3;
Air pollution level: level II.

Note: When the working environment of the switches is out of the scope mentioned above, it shall be determined by the user and manufacturer through consultation.

GGD test report

MNS test report

8PT test report

MNS LV switch cabinet

GGD LV switch cabinet

8PT LV switch cabinet

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