

High and low voltage switchgear

Model:GMXt6 Fully insulated compact gas ring network cabinet

Application:

DC resistance test is the necessary test item for a transformer handover before delivery, it is the ideal equipment to measure DC resistance of transformer winding and high-power inductive devices.

With the rapid development of modern urban and rural power grids, a large number of secondary substations are needed to distribute power to user terminals. The safety and reliability of distribution equipment and quality inspection affect the stability of distribution network. According to the market demand, our company has developed GMXt6 series all-green compact gas ring network cabinets. Our company's technical research and development team has rich experience in the research and development of SF6 gas-insulated medium-voltage switch gear. With the help of computer simulation technology and the advanced technology of ABB and Siemens State Grid, we have developed a gas-insulated switch gear with simple structure and high reliability—GMX16 series products. The combination of flexible expansibility and fixed perfect knot can meet the requirements of small distribution site, high reliability and natural environment and relatively harsh environmental occasions such as basement, plateau and coastal areas. With the primary and secondary fusion kit, the primary and secondary/fusion function can be realized. This product also obtained the national patent: patent number: 201710829544.2 Patent name:High-voltage switch gear with arc extinguishing.

Features:

- GMXt6-12/24 SF6 gas is used as arc extinguishing and insulating medium in fully insulated inflatable cabinet.
- The switch cabinet is fully sealed and insulated; Busbars, switches and live parts are completely enclosed in stainless steel shell. The cavity is filled with SF6 gas (0.03~0.04MPa), and the protection level reaches IP67; The whole switch device is completely unaffected by external environmental conditions, which can ensure the normal operation of the switch even in extreme situations such as short-term flooding, and the product is maintenance-free for life.
- The switch cabinet has a perfect "five-prevention" interlocking device, which completely eliminates the operation failure of personnel and equipment that may be caused by human misoperation.
- All switch cabinets have reliable safe pressure relief channels, which can ensure the personal safety of operators even in extreme cases.
- Switch gear is divided into fixed unit combination and expandable unit combination.
- Switch gear usually enters and exits from the front, and it can also be extended or extended from the side according to different installation positions.
- The size of the cabinet is convenient to install, and it can be suitable for places with narrow space and poor environmental conditions.
- Switch gear can be equipped with electric, remote control and monitoring devices according to different needs of users.
- This ring net cabinet is a single-interval cabinet, and the ring net cage is a variety of single-interval combinations.

- The ring net cabinet has side protection connection and top expansion connection, and the ring net box can also be expanded accordingly.

Specification:

Normal operating environment conditions

Note: For special operating conditions different from normal operating conditions, users

Project	Parameter
Ambient temperature	
Maximum temperature Lowest temperature	+40℃ -40℃
humidity	0
24-hour measurement	≤95%
1month measurement	≤90%
Altitude	≤2000 meters(under standard inflation pressure)
SF6 gas pressure	1.45bar(absolute pressure)24KVat 20℃
Protection level SF6 gas chamber	IP67 IP67
Fused road tube	IP67
shell	IP4X
Gas chamber stainless steel thickness Annual leakage rate	3.0mm 0.25%/year

need to negotiate with manufacturers when ordering. If particularly harsh environment is involved, such as high altitude, low temperature and seriously polluted places, the manufacturer or supplier must be contacted.

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