

KY-WTGC-10(6) type mine general type high voltage switch cabinet



1. Product overview

Mining general type high voltage switch cabinet, mainly used in the power supply system underground without gas and coal dust explosion places as central control room, the yard and the general ventilation and the main ventilation distribution chamber, as for voltage 3.6 KV, 7.2 KV, or 12 KV AC 50 Hz power distribution protection and control of electric equipment, and also can be used to directly start or start the fan or water pump motors underground under the voltage transform down by the dry reactor, the switch cabinet used in higher protection grade power supply system like upper ground substation and metallurgy, chemical industry as well.

2. Working conditions

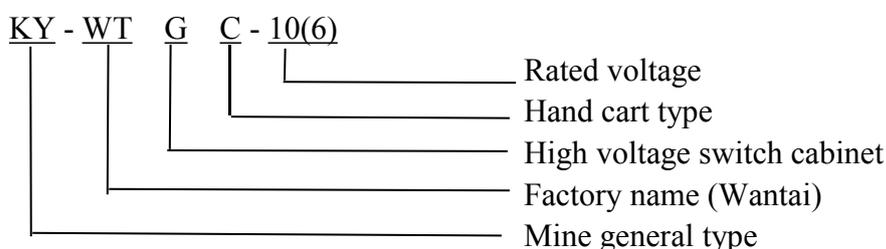
Ambient temperature: $-5^{\circ}\text{C}\sim+40^{\circ}\text{C}$

Installation height: $\leq 2000\text{m}$

Relative humidity: $\leq 95\%$

Installation environment: Underground environment without dangerous explosion gas, coal dust, with no violent vibration and impact, no air or steam insulation destroyed by corrosion metal box as well.

3. Model explanation:



4. Main features

- KY - WTGC - 10 (6) mine general type high voltage switch cabinet (hereinafter referred to as the switch cabinet) is based on absorbing advanced existing products, independently developed products, it has characters as new structure, convenient operation and maintenance, small volume, light weight, safe and reliable.
- Structure features: cabinet is composed of cabinet and handcart components, separate into handcart room, busbar room, cable room, relay room by the partition, handcart has two position as test and work, handcart chamber and cable chamber is separated by the movable insulation partition board, convenient and security for amendment, reduce maintenance time, improve the quality of power supply, handcart slider is accurate and flexible to ensure the handcart on track while move in and out.
- With advanced protection: protection function of switch cabinets, after many years use on coal mines, products can satisfy the various activities protection selection, provide leakage,

insulation monitoring, under voltage, short circuit, over current operation, also can choose with remote control, remote communication, remote sensing and others integrated automatic protection device, also can use earth connection small electricity protection assembled.

- Advanced, complete and flexible secondary protection functions, can set protection for short circuit, over current, leakage, insulation monitoring of power grids, under-voltage and over-voltage protection operation according to different load, can choose electronic integration of comprehensive protection for protection devices, also can be used with four control (remote sensing, remote communication, remote control, remote regulating) functions of the microcomputer integrated protection device automatically, sent via communication network timely to the upper monitoring and scheduling system, achieve grid inspection automatically running.
- The switch cabinet has high protection grade, shell protection class is IP54, suitable for bad environment.