

Underground Mine Use Vacuum Reversible Electromagnetic Starter



Main application

The device is used in coal mines containing explosive gas (methane) and coal dust. It is suitable for the circuit center. To local control or remote control the start and stop of AC 50Hz, voltage 1140V, 660V or 380V, ungrounded three- phase asynchronous motor, and can be reversed at the stop.

The starter can be controlled remotely, with functions such as overload, phase failure, leakage locking and short-circuit protection. At the same time, there is a liquid crystal display in the observation window of the shell as the status display of operation, parameters, faults, etc.

Technical characteristics

1. Quick opening structure
2. With local control and remote control function
3. With reliable mechanical locking and electrical locking function

Specification

Operating environment

1. It is suitable for underground coal mine with explosive gas;
2. The altitude is not more than 2000 meters, and the ambient pressure is $(0.8 \sim 1.1) \times 105\text{Pa}$;
3. Where there is no dripping or water invasion, the ambient temperature is $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$.
4. The relative humidity of the surrounding air is no more than 95% ($+25^{\circ}\text{C}$).
5. Water or other liquids must be prevented from entering the soft starter.
6. On lines Hz, AC 50 voltage of 1140 V or 660 V or 380 V; Gas in the surrounding medium that does not damage the metal or the insulation.
7. Pollution level 3.
8. Installation categories: III class