QJZ-4×400(315,200)/1140(660)
Mine Explosion-proof And Intrinsically Safe Type Combined Vacuum Electromagnetic Starter

1. Function
This series starter is applicable in underground coal mines with explosive and dangerous gas (methane) and coal dust. It is used to control various coal-mining machines, drag conveyors, and other equipped sets of electric control equipment in working fields of general mining. It can directly realize control of start, stop, reversal, and switching over with double speed to four sets of AC three-phase inductive motor with rated current of 400(315,200)A or two sets of AC two-winding and two-speed motor, and it can also protect the motor and the circuit. The product owns advantages of high reliability and simple installation, operation and maintenance.

2. Model

3. Characteristics
3.1 Blue screen real-time English display for voltage, current, switching on and off and fault state of each loop.
3.2 Highly lumped control system of protector reduces fault happening which happened often in the past due to multi-protectors for combined vacuum electromagnetic starter, and it also obviously reduces the numbers of intermediate relay and time relay, reducing each kind of fault happening of control system.
3.3 Standard RS485/232 communication interface.
3.4 Multiple protective functions for overload, short circuit, under voltage, over voltage, loss of phase, leakage lockout, phase imbalance etc. Memory function for fault.
3.5 Four-key type adjusting menu is easy for operation.
3.6 Intelligent man-machine conversation function can store circuit, under voltage, over voltage, loss of phase, leakage lockout, phase imbalance etc. Memory function for fault.
3.7 The intrinsically safe control system can realize long distance control conveniently. It can make program me control of single set, sequential control, combined control, double speed double loop. During single set control, each loop operates separately without interference, and there are separate current collection system and electric leakage check system. Program me control of the start delay and feedback delay time of each set during sequential control and combined control is adjustable. For double speed and double speed double loop, it can conveniently set arc-extinguishing time between low and high speed, double loop start delay time and low-high speed switching over time, and it can also set time, current, current time and manual switching over mode to meet different requirements of users. When it needs to jog for chaining of drag conveyer, it can easily jog any loop of low or high speed motor.

4. Technical Parameter

5. Overall Dimension
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Rated voltage (V) 1140V, 660V
Rated current (A) 400, 315, 200
Protective type Overload, loss of phase, short circuit, leakage lockout, over voltage, phase imbalance
Combination mode Single set, sequential control, combined control, English, double speed, double speed double loop
State display Real-time Chinese display
High safety The front cover can be opened only in the condition of all of the contactors and commutation switches being powered off and not working
Outline dimension (mm) 2300×595×800
Weight (kg) 1400

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