

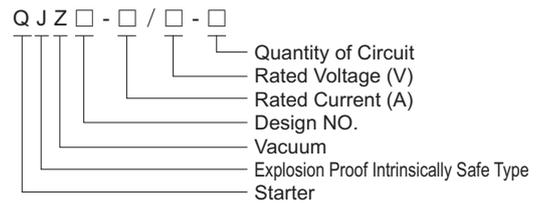
QJZ Mining Explosion Proof Intrinsically Safe Multi-loops Vacuum Electromagnetic Starter



Use

The starter is used as a starter switch of the coalface equipments used in the coal mine where is filled with explosive gas mixture of methane and coal dust, in neutral point ungrounded three-phase power supply system of AC 50Hz, rated voltage is 660/1140V, rated current range is 0~2000A. System will shut off power supply automatically and record the fault information when it's overload, short circuit, over voltage ,under voltage, etc. System also have leakage latch and test function before switch on, meanwhile, system displays current value and voltage value of each branch circuit. The protection functions of under voltage, overload, missing phase, short and leakage latch are available. The starter can control the motor in the way of single motor , single motor with double speed and double motor with double speed, it also can change the motor phase order through the isolated switch. This starter starts/shuts off coal mining machine motor, scraper blade conveyor motor, rubber belt conveyor motor, oil pump motor, cooling fan motor, rubber belt extension motor, rewind motor, crusher motor and transfer conveyor motor, it also can protect the motor and power supply circuit to realize the automation in the coalface.

Meaning of Type



Technical Descriptions

1. Protection system and control system adopt advanced PLC with high precision data processing and advanced protection arithmetic, high protection precision, fast feedback speed. Leakage latch, overload, short-circuit, phase break, under voltage and over voltage protection functions are available. The protection system and control system also have advantages of high intelligented grade, stable performance, various control ways, reliable action, etc.
2. The main circuit of the product is modularized designed with standards, convenient for alternative change.
3. Chinese monitor can indicate working state, parameters and fault type. The protector also has friendly user interface, favorable man-machine communication function to improve efficiency of judging fault and removing fault greatly.
4. Displays updated information such as system voltage, switch states of on/off and three-phase current in each circuit.
5. All analog signals are changed into digital signal which is strong with anti-jamming capability, simple for cable connection, large for information transmission, reliable for controlling etc.
6. The system can realize close control, remote control and duplicate speed control. We also can design new control mode according to user's demands.
7. The system has complete self-check and self-diagnose functions which can check the protection system and the control system is normal or not, meanwhile, it can communicate with host computer.
8. Auxiliary power source: 127V and 220V.
9. The cable can be connected to fast input/output mode.
10. Intrinsically safe type RS485 or CAN communication interface is available.

Technical Data

Type	Rated voltage (V)	General current (A)	Quantity of isolation switch	Single circuit current (A)	External diameter of cable(Φ mm)		Dimension W×H×D (mm)	Auxiliary circuit
					Main circuit	Control circuit		
QJZ2-1600/1140(660)-4	1140 (660)	1600	4	400	42~78	9~23	2321×976×1192	127V 220V 4kVA 1kVA
QJZ2-1600/1140(660)-6							3312×976×1192	
QJZ2-1600/1140(660)-8								
QJZ-2000/1140(660)-9	1140 (660)	2000	5	400	42~78	9~23	3365×1290×1192	127V 220V 4kVA 1kVA
QJZ-2000/1140(660)-10								
QJZ-2000/1140(660)-11								
QJZ-2000/1140(660)-12								