

KJZ | Mining Explosion Proof Intrinsically Safe Vacuum Feeding Switch



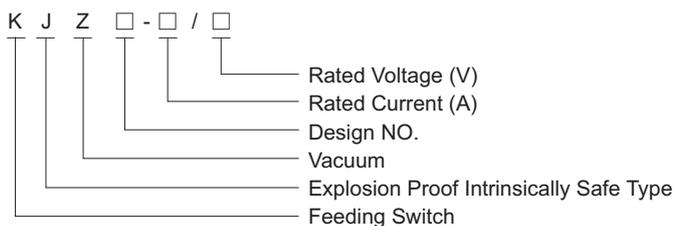
Use

This series mining power switch is used as a main switch, branch switch or infrequent start large-capacity motor in the coal mine or the place where is filled with explosive gas, coal dust, etc., in the supply system of AC 50Hz, voltage 1140V/660V, current 1000A, with neutral point ungrounded three-phase electric network.

Technical Descriptions

1. Adopts vacuum circuit breaker which has advantages of long life, short circuit breaking functions, strong arcing function, small size and simple structure.
2. Modularized design, reasonable layout, simple structure and strong interchange function, ensure the operation and maintenance are convenient.
3. External connection cable is designed as intrinsically safe type, which makes it more safe and reliable.
4. The protector adopts advanced DPS microprocessor and large-capacity chips(or PLC), with high protection precision and fast response speed. It has various protection functions such as leakage latch, leakage protection, selective leakage protection, under-voltage, over-voltage, three-phase imbalance, over load, short-circuit (phase-sensitive or amplitude discrimination), phase break, temperature protection, gas protection and wind power latch, voltage monitoring of circuit is and off, vacuum tube leakage monitoring etc., also with kwh measuring function.
5. Malfunction recording function is available.
6. Hardware and software self-test function is available; malfunction information will be displayed.
7. Displays updated information such as three-phase current, three-phase voltage, power, power factor, insulating resistance, temperature, software self-control, gas density, running state and so on.
8. With RS-485 or CAN communication interface intrinsically safe type (as per user's requirement) can communicate with the host computer, the device has "4 remote control" function to realize no person unattended in coal mine.

Meaning of Type



Technical Data

Type	KJZ-1000 /1140	KJZ-800 /1140	KJZ-630 /1140	KJZ-500 /1140(660)	KJZ-400 /1140	KJZ-200 /1140(660)
Rated voltage (V)	1140	1140	1140	1140、660	1140	1140、660
Rated current (A)	1000	800	630	500	400	200
Breaking capacity (kA)	15	15	12.5	12.5	9	9
Electrical life (T)	3000					
Mechanical life (T)	15,000	15,000	15,000	15,000	15,000	15,000
Breaker type	Electromagnetic					
Protection device	SCM or PLC adjustable					
External diameter of cable in main circuit(Φmm)	42~78				28~63	
External diameter of cable in control circuit (Φmm)	9~23					
Dimension W×H×D(mm)	860×1013×629		820×928×532		718×814×490	
Weight (kg)	410		320		248	