

## KJG-Y | Mining Explosion Proof Intrinsically Safe High-voltage Vacuum Feeding Switch Used with Movable Transformer Substation



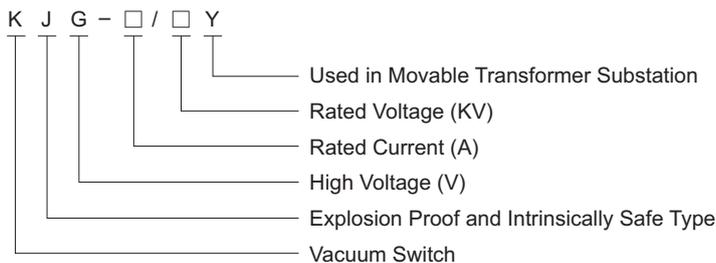
### Use

This vacuum switch is used in coal mine and places where are filled with methane, coal dust or explosive mixed gas, in the three-phase ungrounded power grid of AC50Hz, voltage 6KV or 10KV, current range is 50A~630A. Combined with our product BXB series low voltage protection box, protects and measures the movable transformer substation.

### Technical Descriptions

1. Adopts vacuum breaker(or vacuum breaker with permanent magnetism can be used) which has functions of switches on/off the main electricity circuit, electro motion close, shunt tripping, under-voltage tripping; has features of long life, easy for maintenance, works reliably, etc.
2. Comprehensive protection functions of over-load, short-circuit, under-voltage, transformer over temperature protection, all the records of malfunctions can be checked, also has long distant surveillance and remote control functions.
3. Self-check function: Self-check experimentation on fault simulation, operates reliable. Comprehensive protection device operate without malfunction under high voltage.
4. Adopts LED intelligent protector screen, operation is visual and simple; has wide application range and high protection precision.
5. Self-diagnose function: automatic check parameters such as power grid voltage, loading current, etc. Diagnoses property and reasons of malfunction, then responses such as alarming and tripping, etc.
6. Protection function: Actual monitors the overload, over-voltage in loading circuit anytime, trips when problem occurs, shutting off the malfunction point.
7. Memory function: stores various data for a long time and transmits recorded data.
8. It's an intrinsically safe type which has RS485 or CAN communication interface.

### Meaning of Type



### Technical Data

1. Rated voltage: 6KV、10KV.
2. Rated working current: 50A、100A、160A、200A、250A、315A、400A、500A、630A.
3. Operation way: electro motion closing, electro motion opening.
4. Size(L × W × H): 1165 × 890 × 1049(mm).
5. Rated working system: permanent.

Type	Rated voltage (kV)	Rated current (A)	Rated breaking or connecting short current (kA)	Rated peak withstanding current (kA)	Rated short circuit current (S)	Mechanical life (T)	External diameter of cable(Φmm)		Dimension W×H×D (mm)	Weight (kg)
							Main circuit	Control circuit		
KJG-□/6Y	6	50, 100 160, 200, 250, 315,	12.5	31.5	2	10,000	42~78	9~23(2)	1165×1049×890	625
KJG-□/10Y	10	400, 500, 630								