

Mining explosion-proof vacuum feeder switch-PLC



KBZ-800,1000/1140

Excellent performances, ideal choice

The product equipped with high-performance PLC that dedicate to serve the feeder switch to protect and monitor. The product has various protection functions such as overload, short-circuit, leakage interlock, leakage protection, under voltage, over voltage, three-phase imbalance,

gas interlock, interlocked circuit breaker, selective leakage protection, three-phase balanced protection, long distance short-circuit protection, communication networking. The product equips colorful man-machine interface and easy to established in network. Stable performances, sensitive protection, reliable reactions and high protection precision make the product become a perfect upgrade product for domestic mine digitization.

Excellent performances, ideal choice

- Square switch with quick-actuating closures structure, the whole structure is small and nice. The switch is equipped with quick plug-in connection and the technology is simple and direct.

- Dedicated high-performance PLC for feeder

Dedicated high-performance PLC for the feeder is selected for the control and protection system. This kind of PLC can collect AC modulus on-site and the AC signals can be operated without conversion and this reduces errors because of conversion. So the accuracy of control and production is promoted greatly. So the switch has features of high protect accuracy, fast response speed, and high reliability.

- Permanent magnetic control technology

The device uses permanent magnetic control technology and outstanding electrical specifications are guaranteed. The product is tested by NEPSI and the performances are much better than non-permanent magnetic ones. The structure of the product's breaker is simple and

serves longer

time with no (or less) maintenance. It's important product to be promoted for National LCE development because of its energy-saving.

- Powerful function of communication network

Standard RS485 and RS232 interfaces and Modbus standard protocol are equipped with the device; seamless joint field device can be realized. That makes it convenient to establish site monitoring system. The product has "4T" (telemeter, telecommunication, telecontrol and teleregulation)

functions and it is easy to access substations underground and merge into industrial Ethernet. Concentrated monitoring in ground control center now is available.

- Intelligent man-machine system

Intelligent protection and control are applied to the product. Human- computer interaction interface is displayed by Chinese on color LCD. Pull- down menu makes it simple and direct to operate.

- Real-time display of parameters

Many sorts of information are displayed while the device is running, such as current time, three-phase current, grid voltage, active power, power factor, insulation resistance, main/branch switch, running condition, temperature, gas concentration, interlocked circuit breaker, etc.

- Function customization

The man-machine visual operation can be realized through operation panel on the front door. Parameters of the equipment can be set, modified, corrected and inquired. Different functions can be customized according to different demands and corresponding protection function can be selected and shut.

- Simulated experiments

The product has simulation experiment functions of leakage and short- circuits faults. Experiments can be done through operation panel on the front door.

- Program extensible according to the need of work field

The product is programmable on site and different control programs can be developed to satisfy the needs of the client according to different situations of mines.

- Self-check, memory, display and inquire of device faults

The product has the self-checking function of software and hardware and functions of memory, display and inquires of device faults. Details of recent 100 errors can be recorded and maintenance are more convenient.

- High accuracy selective leakage protection

The PLC feeder switch is the best one of domestic similar products and has reliable protection function and fast response speed. "Main-branch- branch" three levels selective leakage protection can be realized and delay time is continuously adjustable. The switch will trip and record the examining reports meanwhile finding the location of leakage in 30ms.