

## Explosion Proof Components

### Explosion Proof Threading Box

#### Applicable Scope

1. Aluminum alloy die-casting shell, after high-speed shot peening, the surface is subject to high-voltage electrostatic spraying;
2. It is applicable to the places in Zone 1 and Zone 2 of explosive gas environment;
3. It is applicable to the places in Zone 21 and 22 of combustible dust environment;
4. Suitable for IIA, IIB and IIC explosive gas environment;
5. Applicable to T1-T6 temperature group;
6. It is applicable to dangerous environments such as oil exploitation, oil refining, chemical industry, gas station, offshore oil platforms, oil tankers, metal processing, etc. as the connection and turning direction change of steel pipe wiring.

#### Features

1. Aluminum alloy die-casting shell, after high-speed shot peening, the surface is subject to high-voltage electrostatic spraying;
2. Exposed stainless steel fasteners with high anti-corrosion performance;
3. There are many ways and specifications for the inlet and outlet.



#### ExplosionProof Class

Explosion proof Mark	Ex db IIC Gb/ Ex eb IIC Gb / Ex tb IIIC T80°C Db
Thread specifications	"G1/2-G4", "NPT1/2-NPT4", "M20-M110" Various sizes of threads for users to choose from
Protection level	IP66

### Explosion-proof Transfer Switch BHZ51

#### Applicable Environment:

- Applicable to Zone 1 and Zone 2 hazardous locations
- Applicable to IIA, IIB, IIC explosive gas environments
- Temperature group: T1-T6
- Indoor, outdoor

#### Features

- The shell is made of ZL102 aluminum alloy die-casting or steel plate welding, and the surface is high-voltage electrostatic sprayed;
- Voltage 220V-380V, current 10-63A. It is used as a power supply introduction switch in the electrical circuit and can control the start, stop, speed change, and steering of the motor
- Steel pipe or cable wiring is acceptable

#### Technical Parameters

Product Type	Rated Voltage	Rated Current	Cable Outer Diameter	Inlet thread G"	Explosion-proof Mark
BHZ51-□/1	220V	10A	10-14Φ	3/4	Ex II 2G EEXde IIBT5 Ex II 2G EEXde ICT5
BHZ51-□/1	380V	25A	18-24Φ	1	Ex II 2G EEXde IIBT5 Ex II 2G EEXde ICT5



## ► Explosion Proof Anti-Corrosion Plug And Socket

### ► Applicable Scope

1. It is applicable to the places in Zone 1 and Zone 2 of explosive gas environment;
2. It is applicable to the places in Zone 21 and 22 of combustible dust environment;
3. Suitable for IIA, IIB and IIC explosive gas environment;
4. Applicable to T1-T6 temperature group;
5. It is applicable to dangerous environments such as oil exploitation, oil refining, chemical industry, gas station, offshore oil platforms, oil tankers, metal processing, etc. as the connection and turning direction change of steel pipe wiring.

### ► Product Features

1. The shell is pressed with glass fiber reinforced unsaturated polyester resin or welded with high-quality stainless steel, which is corrosion resistant, anti-static, impact resistant and has good thermal stability;
2. Exposed stainless steel fasteners with high anti-corrosion performance;
3. The shell is of increased safety type, with explosion-proof switch installed inside;
4. Connect the plug with electrical equipment;
5. The socket is equipped with reliable mechanical interlocking device, that is, the switch can be closed only after the plug is inserted into the socket, and the plug can be pulled out only after the switch is disconnected;
6. The socket is equipped with a protective cover. After the plug is pulled out, the socket is shielded with a protective cover to prevent foreign matters from entering;
7. Steel pipe or cable wiring is acceptable.

### ► Explosion Proof Class

Explosion proof Mark	Ex db e IIB T6 Gb Ex db eb IIC T6 Gb Ex tb IIIC T80°C Db
Protection level	IP66
Anti corrosion grade	WF1*WF2

### ► Technical Parameters

Model and specification	Rated voltage	Rated current	Number of poles	Cable outer diameter	Inlet thread
BCZ8030-16	AC220V	16A	1P+N+PE	Φ10~Φ14mm	G3/4
	AC380V		3P+PE		
			3P+N+PE		
BCZ8030-32	AC220V	32A	3P+PE	Φ12~Φ17mm	G1
	AC380V		1P+N+PE		
			3P+N+PE		
BCZ8030-63	AC220V	63A	1P+N+PE	Φ18~Φ33mm	G1 1/2

