

Explosion-proof Control Station

KBX05 - Series

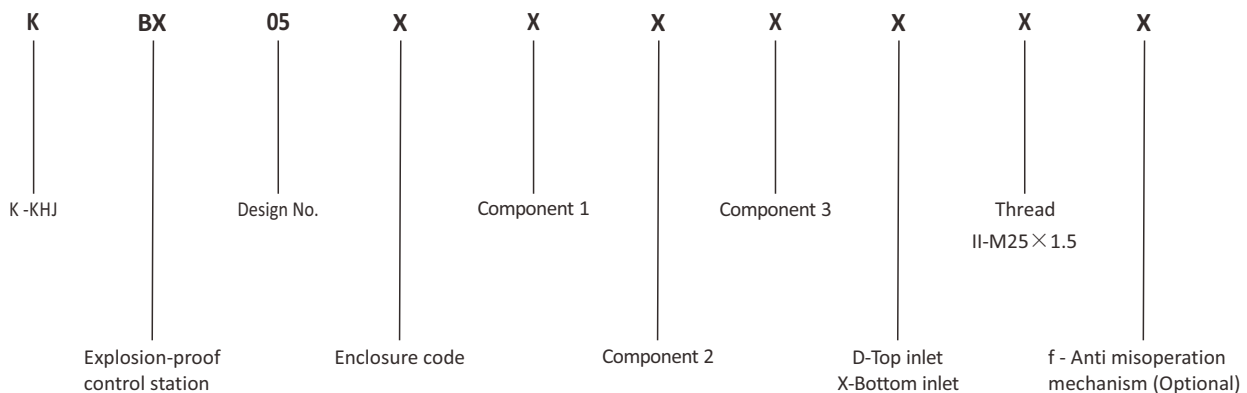
- II 2 G Ex db eb IIC T6 Gb
- II 2 D Ex tb IIIC T80°C Db

1. Application and Features

- Explosion proof certificates
 - ATEX : SEV 22 ATEX 0606 X
 - IECEx : IECEx SEV 22.0011X
- Application in hazardous area
Zone 1 and Zone 2,
Zone 21 and Zone 22
- Three types of enclosure size, built-in explosion-proof components (control button, control switch, signal lamp, potentiometer, ammeter, etc.).
The components is rail mounting type, which can be installed on the guide rail quickly and accurately, easy for installation and maintenance.
- Component arrangement can be combined upon request.
- Emergency stop can be equipped with anti misoperation mechanism and padlock (If need).
- Stainless steel exposed fastener, anti dropping structure, easy for installation and maintenance.



2. Product definition



Note:

1. Rain shade can be customized upon request.

Model example:

KBX05-07/R01F-A1/I/02FX II : 07# enclosure, equipped with one signal lamp, AC/DC 12-36V, and one push button, 1NO+1NC, with marking "I", bottom inlet M25X1.5.

3. Technical Parameter

Ex marking	Gas	II 2 G Ex db eb IIC T6 Gb	Ex db eb IIC T6 Gb
	Dust	II 2 D Ex tb IIIC T80°C Db	Ex tb IIIC T80°C Db
Executive standards		IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31 EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-31	
Enclosure material	Enclosure	GRP (Polyester resin, glass fibre reinforced), antistatic	
	Rain shade	Bended steel plate surface powder coated (black color) or stainless steel 304/316, please note when needed	
Enclosure color		Black	
Enclosure fasteners		Stainless steel, anti-drop structure.	
Rated voltage		Max 415V AC, 250V DC	
Rated current		6A、10A、16A	
Wire diameter	≤6A: 0.75~2.5mm ²		
	6A<I≤10A: 1.5~2.5mm ²		
	10A<I≤16A: 2.5mm ²		
Degree of protection		IP66	
Ambient temperature		-40°C ~+40/45/50/55/60/65/70°C	
Built-in components	K0101 explosion-proof control button.		
	K0102 explosion-proof signal lamp.		
	K0101-S explosion-proof control switch.		
	K0109 explosion-proof ammeter.		
Installation method		Hanging type	
Cable entries		Φ 25.5mm The cable gland is not available when delivery, please indicate if necessary.	

4. Components and Accessories



K0101-Control button



K0101-A2 Two control button



K0102-Signal lamp



K0101-A Control button with signal lamp



K0109-Ammeter



φ 38 Operating handle



φ 65
Operating handle
(padlock available)



Square operating handle

- Note:** 1. Installation area of 1 pcs K0109-48 is same as 2 pcs buttons;
2. Installation area of 1 pcs φ 65 operating handle or 1 pcs square operating handle is same as 2 pcs buttons.

5. Selection table (mm)

Outline	Component layout
<p>03#</p>	
<p>07#</p>	
<p>11#</p>	

6. Outline and Installation (mm)

<p>03#</p>	<p>07#</p>	<p>11#</p>
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Component accessories	h (mm)
Meter frame	11
Standard button	20.5
Double button	21.5
Button with key	38(62)
Emergency stop button with self-locking	40
Mushroom head button	32
Mushroom head button with key	45(69)

Component accessories	h (mm)
Indicator light	23.5
Illuminated control button	20.5
Control switch S1、S3	40
Control switch S2	42
Potentiometer (single-turn)	27
Potentiometer (multi-turn)	40.5
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