

Explosion-proof Control Station

KBX02- Series

 II 2 G Ex db eb IIC T6 Gb

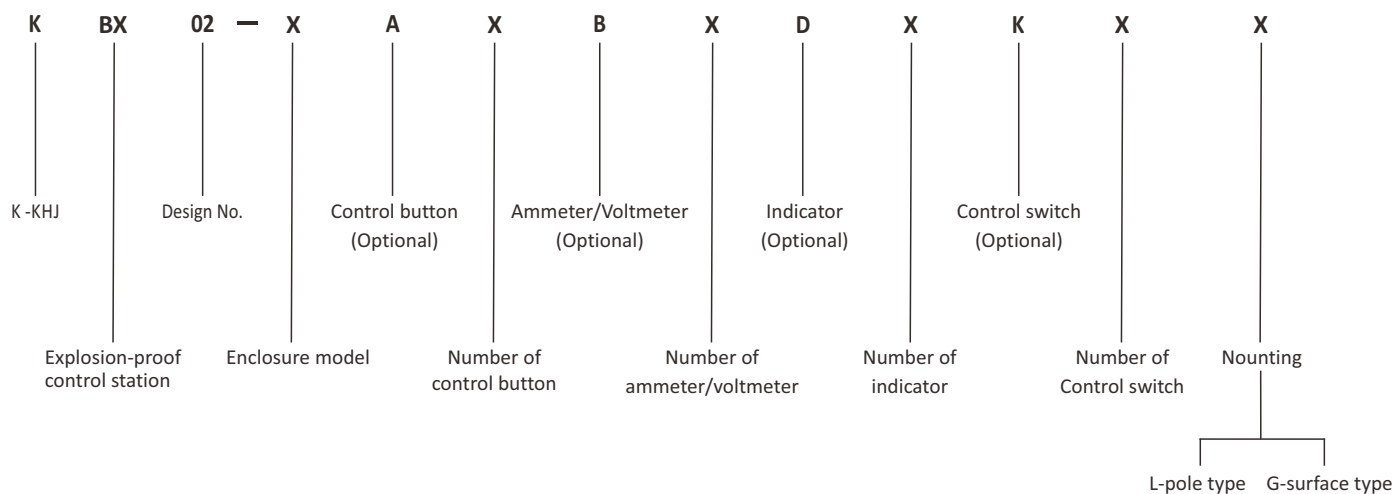
 II 2 D Ex tb IIIC T80°C Db

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
- Seven types of enclosure size, built-in explosion-proof components (control button, control switch, signal lamp, potentiometer, ammeter, etc.) and terminal blocks. The components is rail mounting type, which can be installed on the guide rail quickly and accurately, easy for installation and maintenance.
- Emergency stop button 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



3. Technical Parameter

Ex marking	Gas	Ex II 2 G Ex db eb IIC T6 Gb	Ex db eb IIC T6 Gb
	Dust	Ex II 2 D Ex tb IIIC T80°C Db	Ex tb IIIC T80°C Db
Exectutive 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	Stainless steel (Standard 304, if 316 is needed, please indicate)	
	Rain shade	Bended steel plate surface powder coated, industrial grey with dark lines texture (RAL7035) or stainless steel 304/316, please note when needed.	
Exposed fastener		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, stand type	
Cable entries	Hanging type	M16×1.5~M63×1.5 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



K0155 Switch



φ 38 Operating handle



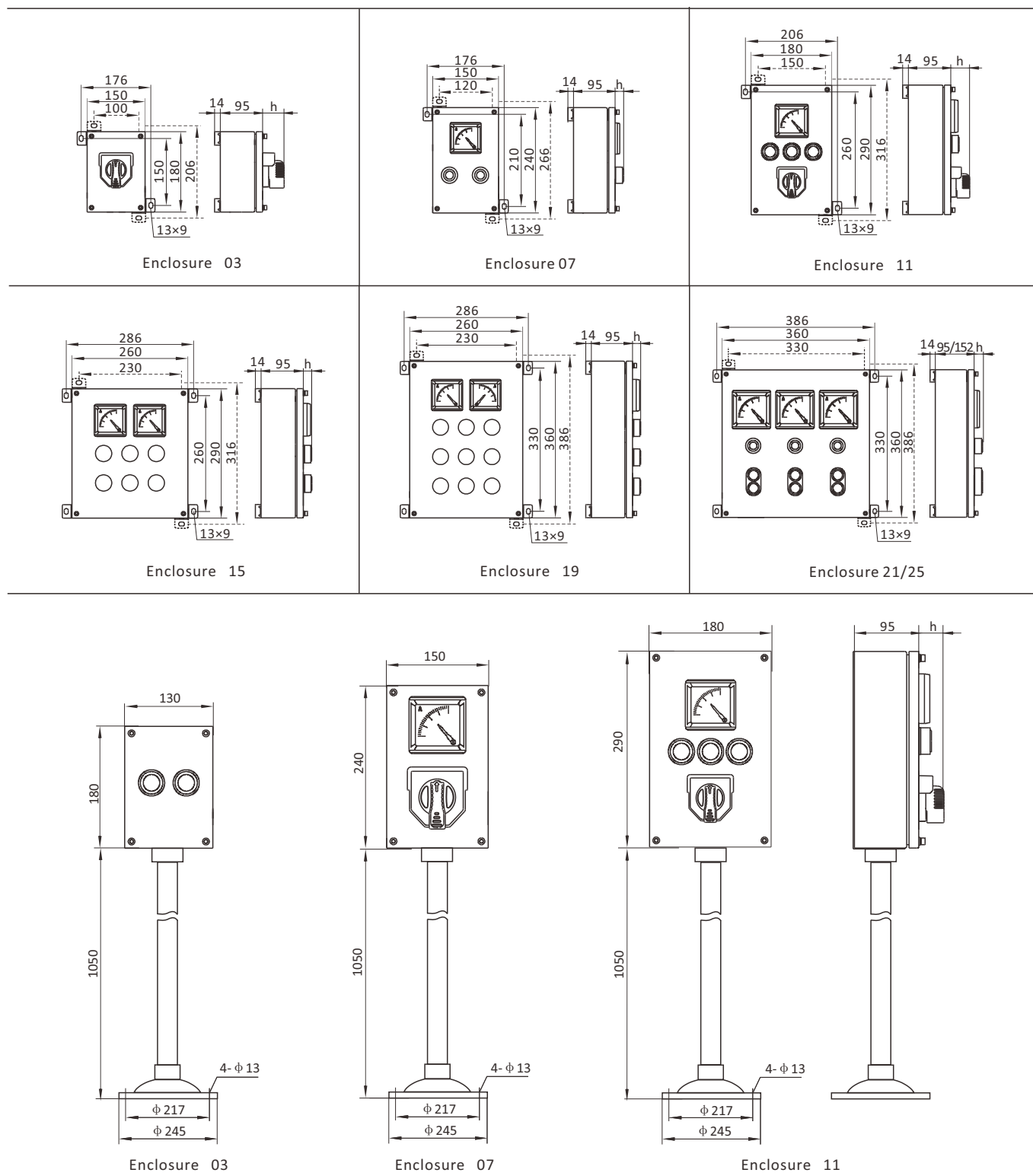
φ 65
Operating handle
(padlock available)



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;
 3. Installation area of 1 pcs K0155 switch or 1 pcs K0109-72 is same as 2~3 buttons.

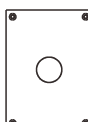
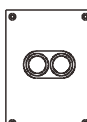
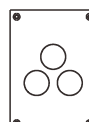
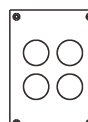
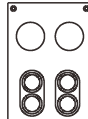
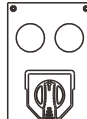
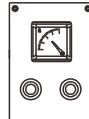
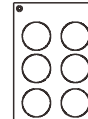
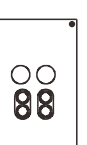
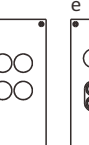
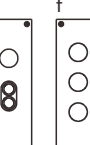
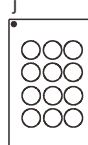
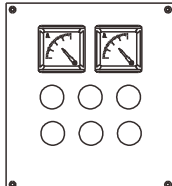
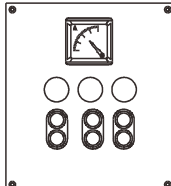
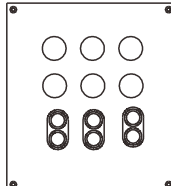
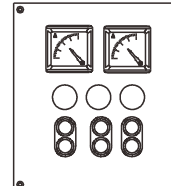
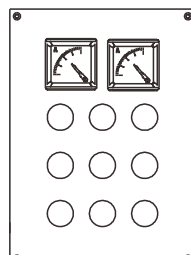
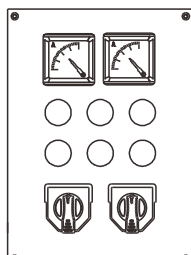
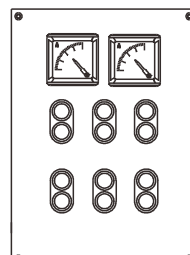
5. Outline and Installation (mm)



6. Height of electrical accessories

Electrical accessories	Frame of ammeter	Standard button	Double Button	Button with key	Self-lock button	Mushroom button	Mushroom button with key	Indicator light	illuminated button	Control switch S1, S3	Control switch S2	potentiometer (single turn)	potentiometer multi turn)
h(mm)	11	20.5	21.5	38(62)	40	32	45(69)	23.5	20.5	40	42	27	40.5

7. Selection Table

Code	Component layout								
03	a	b	c	d	e	f	g	h	
									
07	a	b	c	d	e	f	g	h	
									
11	a	b	c	d	e	f	g	h	j
									
15	a	b	c	d					
									
19	a	b	c						
									
21/25	a	b	c	d					
	