

TL-EX-FH-BX05-Series Explosion-proof Electrical Apparatus

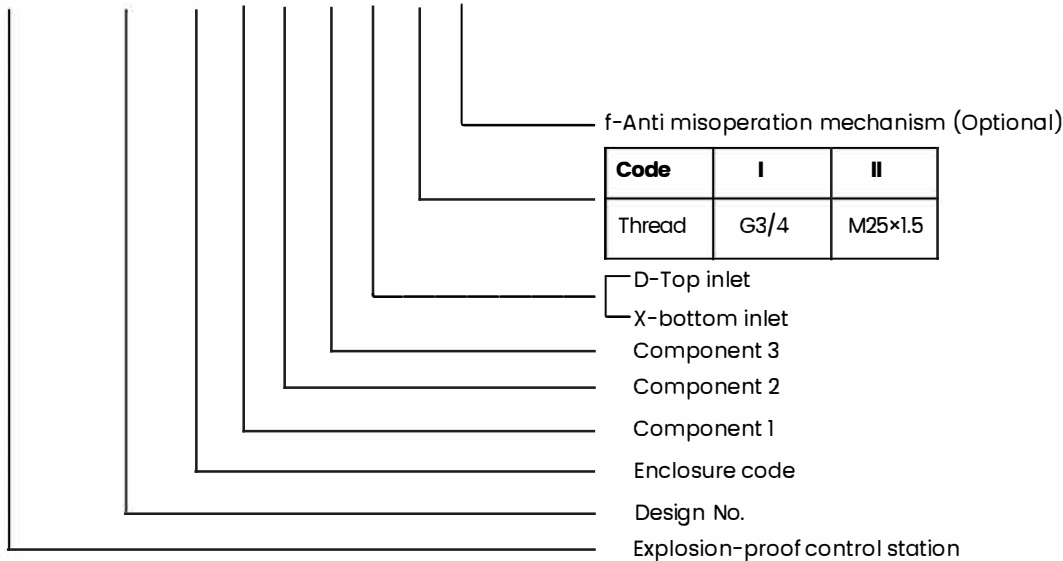
1 Application and Features

- Explosion protection ATEX
- Application in hazardous area Zone 1 & 2, Zone 21 & 22
- Three type enclosure sizes, 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 Nomenclature

TL-EX-FH- BX05 - □ □ □ □ □ □ □

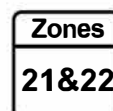
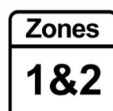


Note:

1. Built-in components model meanings please refer to Part G Ex components;
2. Rain shade can be customized upon request.

Model example:

TL-EX-FH-BX05-3/07R/T1.FA/1/1/02FX1 : 07# enclosure, equipped with one signal lamp, AC/DC 12-36V, and one push button, 1NO+1NC, with marking "T", bottom inlet M25×1.5.











TL-EX-FH-BX05-Series Explosion-proof Control Station

3 Technical Parameter

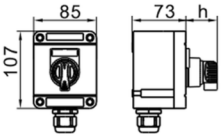
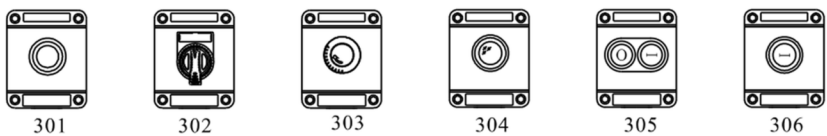
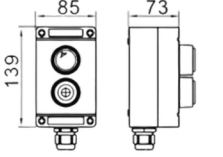
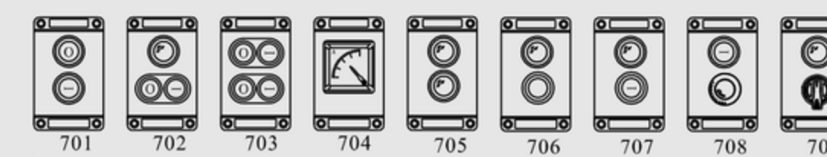
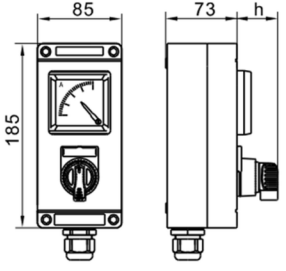
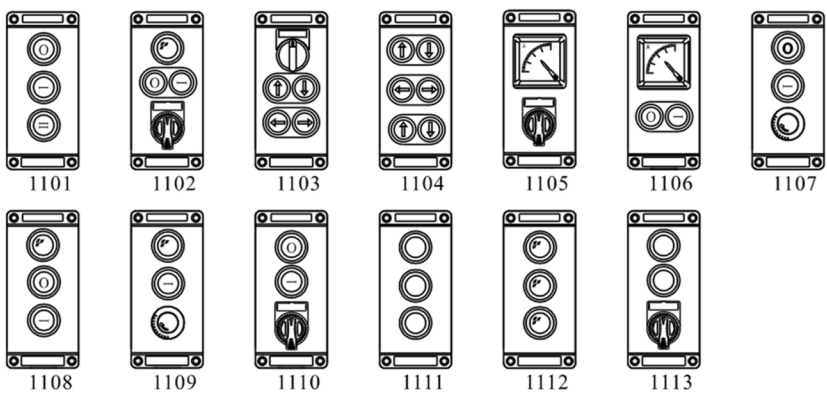
Ex marking	Gas	Ex II 2 G Ex db eb IIC T6 Gb	Ex db eb IIC T6 Gb
	Dust	Ex II 2 D Ex tb IIIC T80°C Db	Ex tb IIIC T80°C Db
Conformity to standards	IEC60079-0, IEC60079-1, IEC60079-7, IEC60079-31 EN60079-0, EN60079-1, EN60079-7, EN60079-31		
Enclosure materials	Enclosure	GRP (Polyester resin, glass fibre reinforced), antistatic	
	Rain Shade	Bended steel plate surface powder coated, (black color) industrial grey or stainless steel 304/316, please note when needed.	
Color of enclosure	Black		
Exposed fastener	Stainless steel, exposed fasteners 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	TL-EX-FH-0101 explosion-proof control button		
	TL-EX-FH-0102 explosion-proof signal lamp		
	TL-EX-FH-0101-S explosion-proof control switch		
	TL-EX-FH-0109 explosion-proof ammeter		
Installation method	Hanging type		
Cable entries	Hanging type	M25X1.5,G3/4	
		The cable gland is not available when delivery, please indicate if necessary	

4 Components and Accessories

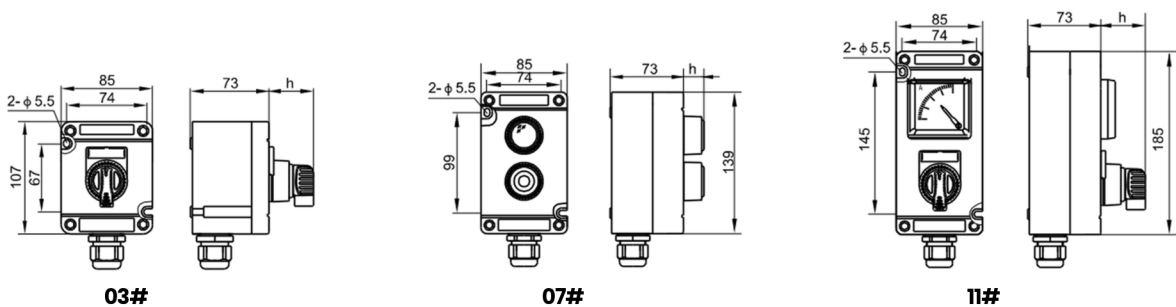
			
TL-EX-FH-0101- Control button	TL-EX-FH-0101-A2 Two control button	TL-EX-FH-0102- Signal lamp	TL-EX-FH-0101-A control buttons with signal lamp
			
TL-EX-FH-0109- Ammater	φ38 operating handle	φ65 Operating handle (padlock available)	Square operating handle

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5 Selection Table (Dimension in mm)

Outline	Component layout
03# 	
07# 	
11# 	

6 Outline and Installation Dimension (Dimension in mm)



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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