

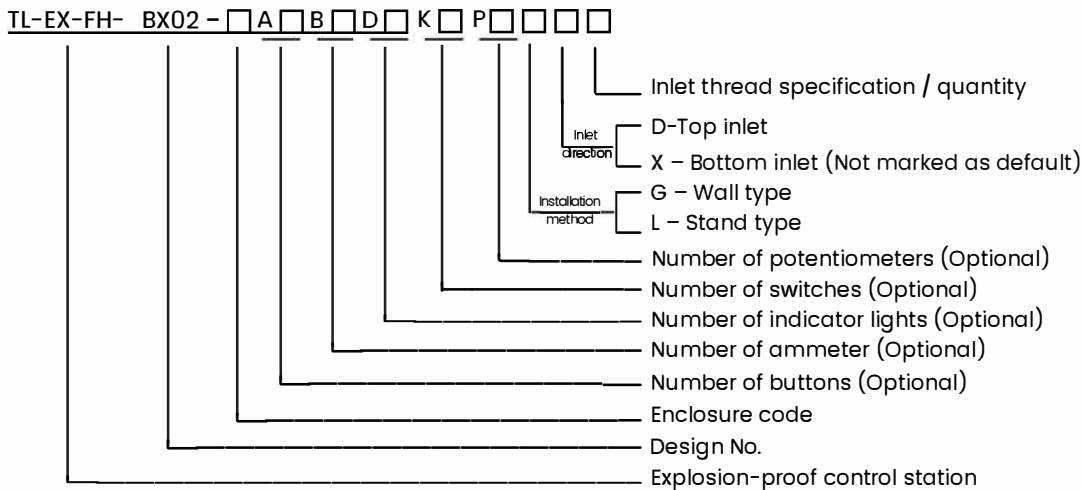
TL-EX-FH-BX03-Series Explosion-proof Electrical Apparatus

1 Application and Features

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

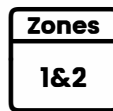


2 Nomenclature



Note:

1. Example: TL-EX-FH-BX03-19A2BIGXM25X1,5, 19# enclosure, which with two control buttons, one ammeter, wall mounting type, one bottom inlet M25X1.5;
2. The specific requirements of the components are based on the drawings;
3. The rain shade is customizable by requirements.












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3 Technical Parameter

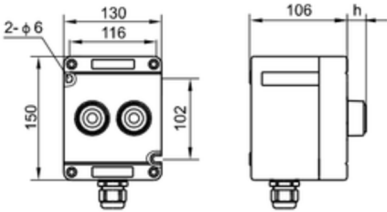

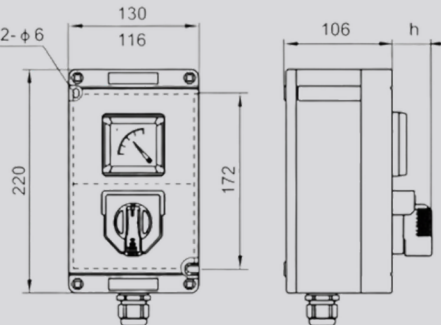
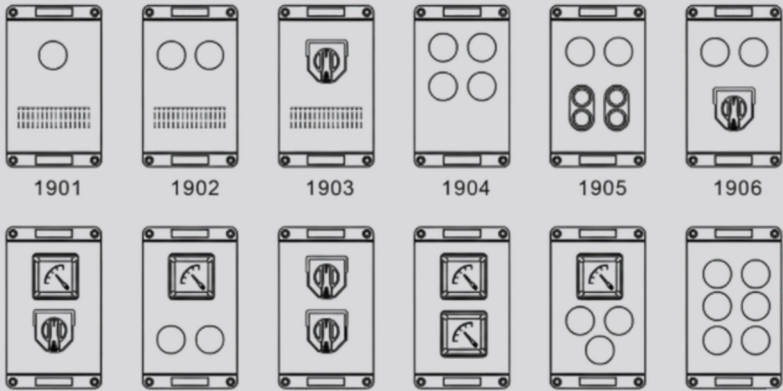
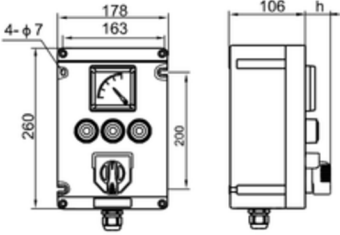
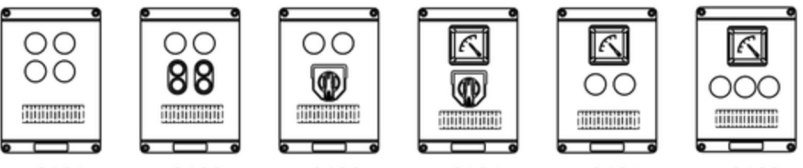
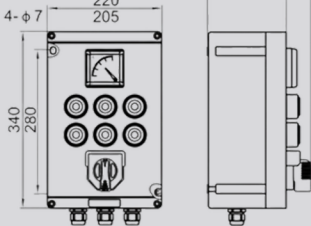
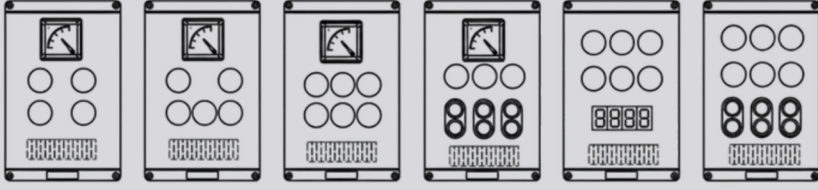
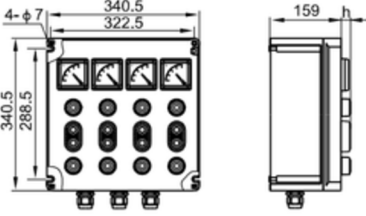
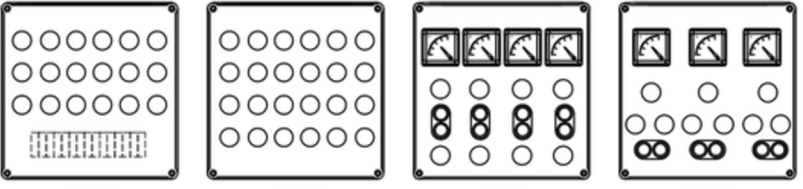
Ex marking	Gas	Ex II 2 G Ex db eb IIC T6 Gb	Ex db eb IIC T6 Gb
	Dust	Ex II 2 D Ex tb IIIC T80°C Db	Ex tb IIIC T80°C Db
Conformity to standards	IEC60079-0, IEC60079-1, IEC60079-7, IEC60079-31 EN60079-0, EN60079-1, EN60079-7, EN60079-31		
Enclosure materials	Enclosure	GRP (Polyester resin, glass fibre 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	Wall type and stand type		
Cable entries	Wall type	M16x1.5-M63x1.5, G1/2-G2 Without cable entry device as default, please note if which is needed.	
	Stand type	G1 Only	

4 Components and Accessories

				
TL-EX-FH-0101- Control button	TL-EX-FH-0101-A2 Double button	TL-EX-FH-0102- Signal lamp	TL-EX-FH-0101-A Illuminated control buttons	
				
TL-EX-FH-0109- Ammeter	TL-EX-FH-0155 Switch	φ38 operating handle	φ65 Operating handle (padlock available)	Square operating handle

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5 Selection Table (Dimension in mm)

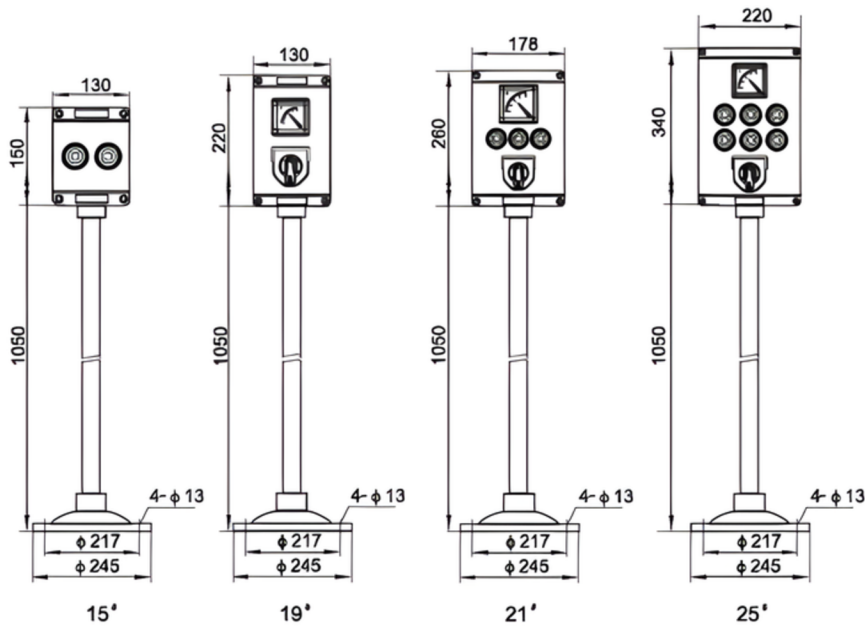
Outline	Component layout
<p>15#</p> 	 <p>1501 1502 1503 1504 1505 1506 1507</p>
<p>19#</p> 	 <p>1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912</p>
<p>21#</p> 	 <p>2101 2102 2103 2104 2105 2106</p>
<p>25#</p> 	 <p>2501 2502 2503 2504 2505 2506</p>
<p>29#</p> 	 <p>2901 2902 2903 2904</p>

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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 Outline and Installation Dimension (stand type) (Dimension in mm)



8 Accessories list

Item	Picture	Purchase code	Weight (kg)
Stand type connection part		1.01.901.00007	0.3
Pole		1.01.901.00006	3.4
Basis		1.01.901.00005	0.6