

HEXLON

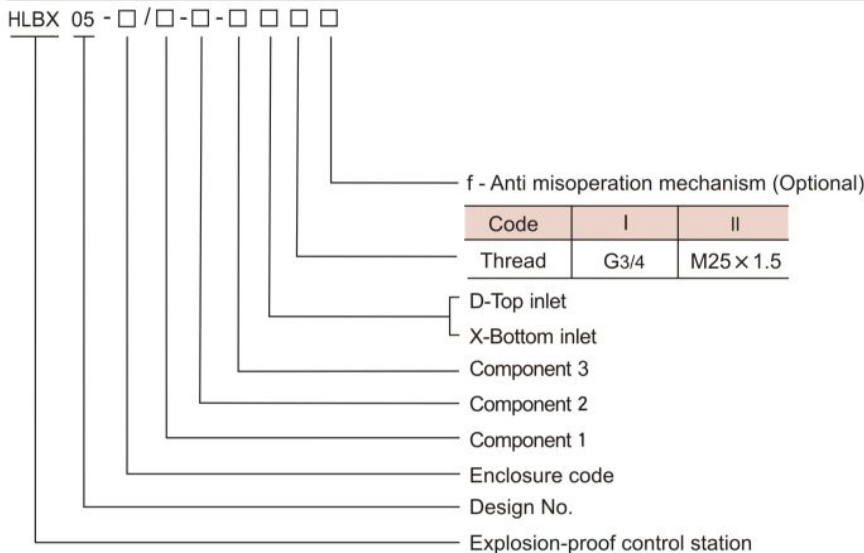
HLBX05-Series Explosion-proof Control Station

1 Application and Features

- Explosion protection
 - IECEx (IEC)
 - ATEX (CENELEC, EN)
 - China Ex(GB)
- Application in hazardous area
 - Zone 1 and Zone 2
 - Zone 21 and Zone 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

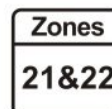
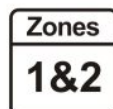


Note:

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

Model example:

HLBX05-07/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	Ex II2 G Ex db eb IIC T6 Gb	Ex db eb IIC T6 Gb	Ex d e IIC T6 Gb
	Dust	Ex II2 D Ex tb IIIC T80℃ Db	Ex tb IIIC T80℃ Db	Ex tD A21 IP66
Conformity to 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 GB3836.1,GB3836.2,GB3836.3,GB12476.1,GB12476.5		
Enclosure material	Enclosure	GRP (Polyester resin, glass fibre reinforced), antistatic		
	Rain shade	Bended steel plate surface powder coated, industrial grey with dark lines texture (RAL7035) or stainless steel 304/316, please note when needed		
Enclosure color		Black		
Enclosure material		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℃ ~+40/45/50/55/60/65/70℃		
Built-in components		HL0101 explosion-proof control button, See P B/122 for technical parameters		
		HL0102 explosion-proof signal lamp, See P B/130 for technical parameters		
		HL0101-S explosion-proof control switch, See P B/126 for technical parameters		
		HL0109 explosion-proof ammeter, See P B/120 for technical parameters		
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



HL0101-Control button



HL0101-A2 Two control button



HL0102-Signal lamp



HL0101-A Control button with signal lamp



HL0109-Ammeter



φ 38 Operating handle

φ 65
Operating handle
(padlock available)

Square operating handle

Note: 1. Installation area of 1 pcs HL0109-48 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.

HEXLON**HLBX05-Series Explosion-proof Control Station****5 Selection table** (Dimensions in mm)

Outline	Component layout
03# 	 301 302 303 304 305 306
07# 	 701 702 703 704 705 706 707 708 709
11# 	 1101 1102 1103 1104 1105 1106 1107 1108 1109 1110 1111 1112 1113

6 Outline and Installation Dimension (Dimensions in mm)

 03#	 07#	 11#
---------	---------	---------

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
—	—