

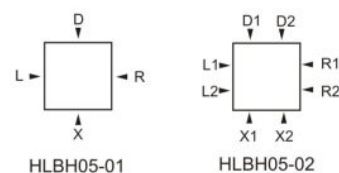
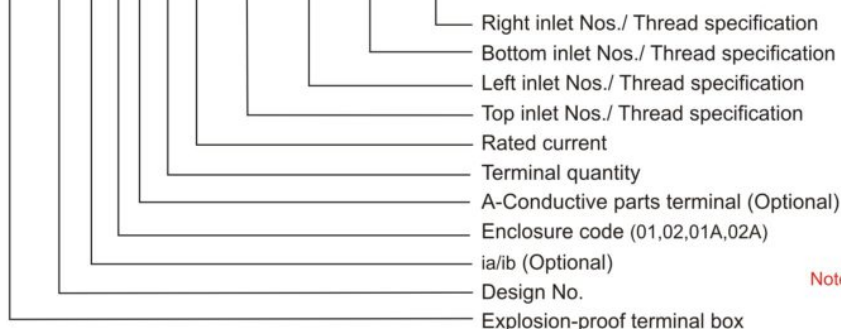
1 Application and Features

- Explosion protection
 - IECEx (IEC)
 - ATEX (CENELEC, EN)
 - China Ex(GB)
- Application in hazardous area
 - Zone 0, Zone 1 and Zone 2, Zone 21 and Zone 22
- This series of products have 4 types explosion protection (Ex eb, Ex ia, Ex ib and Ex tb IIIC), which can meet the requirements of various places.
- PA66 enclosure.
- There are two types of enclosure which the current, terminal, size and direction of entry can be customized based on customer requirements.
- Type A: open crimping type terminal in enclosure.
- Type B (Standard): an International brand of terminal will be installed in the enclosure.
- Stainless steel exposed fastener, anti dropping structure, easy installation and maintenance.



2 Nomenclature

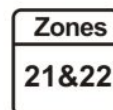
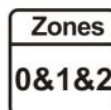
HL BH 05-□/□□/□□ D□/□L□/□X□/□R□/□



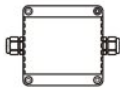
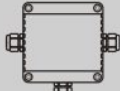
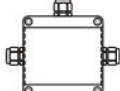
Note: Please confirm the quantity, specification, and direction (position) of cable entry holes, if that is needed; No cable gland as default when delivery, which is supplied by users.

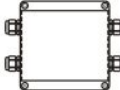
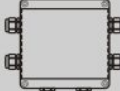
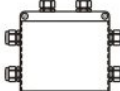
3 Technical Parameter

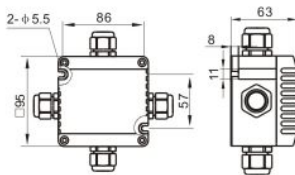
Ex marking	Gas	Ex II 2 G Ex eb IIC T6 Gb	Ex eb IIC T6 Gb	Ex e IIC T6 Gb
		Ex II 1 G Ex ia IIC T6 Ga	Ex ia IIC T6 Ga	Ex ia IIC T6 Ga
Dust		Ex II 2 G Ex ib IIC T6 Gb	Ex ib IIC T6 Gb	Ex ib IIC T6 Gb
		Ex II 2 D Ex tb IIIC T80°C Db	Ex tb IIIC T80°C Db	Ex tD A21 IP66 T80°C
Conformity to standards		IEC 60079-0, IEC 60079-7, IEC 60079-11, IEC 60079-31 EN 60079-0, EN 60079-7, EN 60079-11, EN 60079-31 GB3836.1, GB3836.3, GB3836.4, GB12476.1, GB12476.5		
Enclosure material		Nylon (PA66)		
Enclosure color		Black		
Brand of terminal		Type A: open crimping type terminal in enclosure Type B (Standard): International brand		
Exposed fastener		Stainless steel		
Rated voltage	Ex e, Ex tb	Max. 500V AC, 220V DC		
	Ex i, Ex tb	Max. AC/DC36V		
Rated current	Wire diameter	1.5mm ²		2.5mm ²
	Ex e, Ex tb	10A, 12A		10A, 12A, 20A
	Ex i, Ex tb	5A		5A
Degree of protection		IP66		
Ambient temperature	Ex e, Ex tb	-40°C~+45/55/60°C		
	Ex i, Ex tb	-40°C~+45/65°C		
Cable gland		M20X1.5, M25X1.5, M32X1.5, Cable gland is not matched as standard, please specify if necessary.		



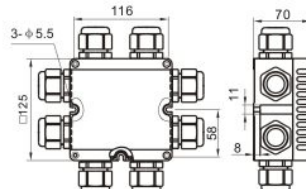
HEXLON**HLBH05- Series Explosion-proof Terminal Box****4 Proposal Example**

HLBH05-01	Cable entries	Cable outer dia.
	2XM20	$\phi 6 \sim \phi 12\text{mm}$
	2XM25	$\phi 10 \sim \phi 14\text{mm}$
	3XM20	$\phi 6 \sim \phi 12\text{mm}$
	3XM25	$\phi 10 \sim \phi 14\text{mm}$
	4XM20	$\phi 6 \sim \phi 12\text{mm}$
	4XM25	$\phi 10 \sim \phi 14\text{mm}$

HLBH05-02	Cable entries	Cable outer dia.
	4XM25	$\phi 10 \sim \phi 14\text{mm}$
	4XM32	$\phi 13 \sim \phi 19\text{mm}$
	6XM25	$\phi 10 \sim \phi 14\text{mm}$
	6XM32	$\phi 13 \sim \phi 19\text{mm}$
	8XM25	$\phi 10 \sim \phi 14\text{mm}$
	8XM32	$\phi 13 \sim \phi 19\text{mm}$

5 Outline and Installation Dimension (Dimensions in mm)

HLBH05-01



HLBH05-02

Type A
Weight: 0.6kgType B
Weight: 0.5kg