

# Explosion-proof Terminal Box

## KBH05- Series

II 2 G Ex eb IIC T6/T5 Gb

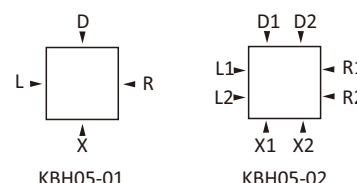
II 2 G Ex ib IIC T6 Gb

II 1 G Ex ia IIC T6 Ga

II 2 D Ex tb IIIC T80°C Db

### 1. Application and Features

- Explosion protection
  - IECEx : IECEx SEV 22.0012X
  - ATEX : SEV 22 ATEX 0630X
- 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.
- IP66 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. Production Definition

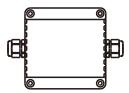
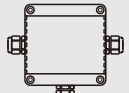
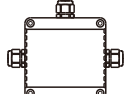
K	BH	05-	X	X	X	X	X/X	X	X/X	X	X/X	X	X/X
K-KHJ	Design No.		Enclosure code (01,02,03,04,05, 06,06.1,07)		Rated Import direction current	Import direction		Import direction		Import direction		Import direction	
Explosion-proof terminal box	ia/ib (Optional)			Terminal quantity	D-Top inlet	Inlet Nos. L-Left inlet / Thread specification	Inlet Nos. X-Bottom inlet / Thread specification	Inlet Nos. R-Right inlet / Thread specification	Inlet Nos. / Thread specification				

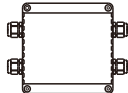
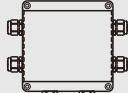
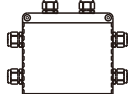
**Note:** Please confirm the quantity, specification, and direction (position) of cable entry holes, if that is needed; No cable gland as default when delivery, which is supplied by users.

### 3. Technical Parameter

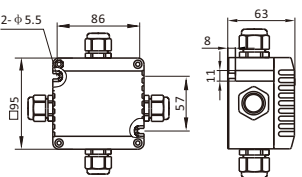
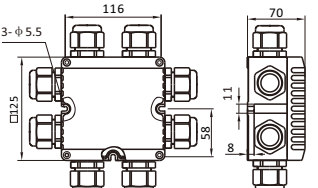


Ex marking	Gas	II 2 G Ex eb IIC T6 Gb	Ex eb IIC T6 Gb
		II 1 G Ex ia IIC T6 Ga	Ex ia IIC T6 Ga
		II 2 G Ex ib IIC T6 Gb	Ex ib IIC T6 Gb
	Dust	II 2 D Ex tb IIIC T80°C Db	Ex tb IIIC T80°C Db
Executive standards		IEC 60079-0, IEC 60079-7, IEC 60079-11, IEC 60079-31 EN 60079-0, EN 60079-7, EN 60079-11, EN 60079-31	
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 <sup>2</sup>	2.5mm <sup>2</sup>
	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 KBM Series Explosion-proof Cable Glands is Recommend	

## 4.Proposal Examples

KBH05-01	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	$\phi 10 \sim \phi 14\text{mm}$

KBH05-02	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(mm)

 <p>KBH05-01</p>	 <p>KBH05-02</p>	 <p>Type A Weight: 0.6kg</p>	 <p>Type B Weight: 0.5kg</p>
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