



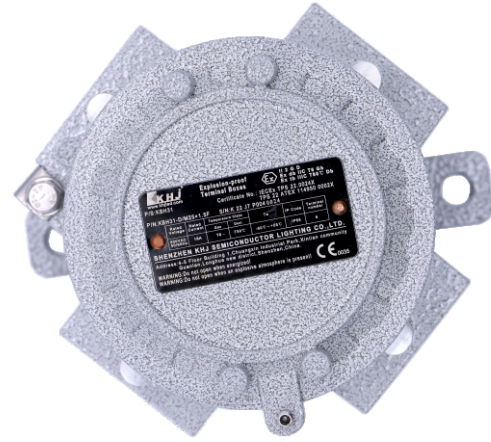


Explosion-proof Junction Box

KBH 31/32 - Series

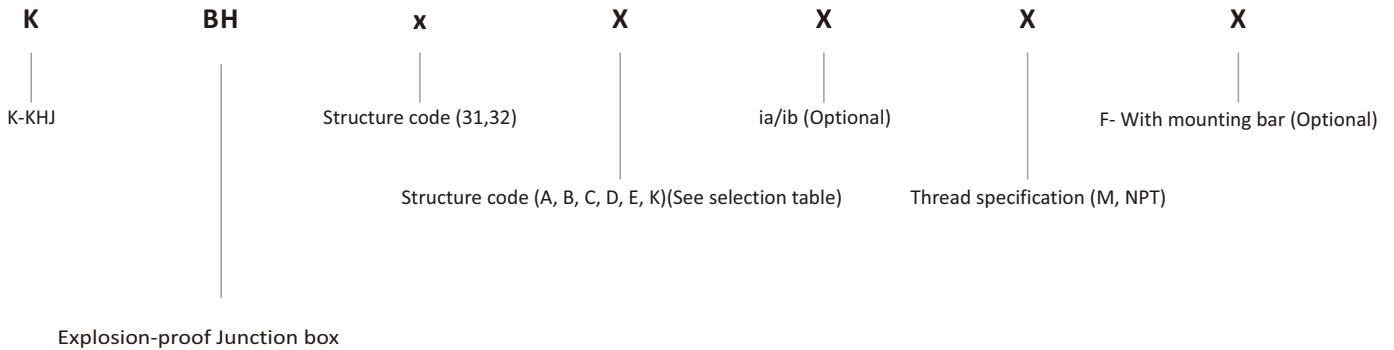
-  II 2 G Ex db IIC T6 Gb
-  II 1 G Ex ia IIC T6 Ga
-  II 2 G Ex ib IIC T6 Gb
-  II 2 D Ex tb IIIC T80°C Db



1. Application and Features









- Explosion proof certificate:
 - IECEx : IECEx TPS 22.0024X
 - ATEX : TPS 22 ATEX 114950 0002 X
- Application in hazardous area
Zone 1 and Zone 2,
Zone 21 and Zone 22
- This series product has 6 types for selection: A, B, C, D, E and K.

2. Product Definition

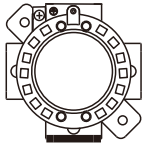
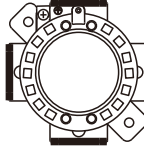
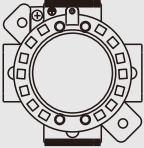
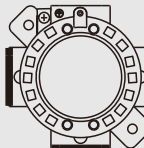
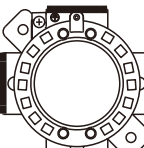
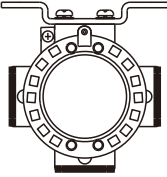


Note: Cable gland should be installed.

3. Technical Parameter

Ex marking	Gas	M, NPT	 II 2 G Ex db IIC T6 Gb	Ex db IIC T6 Gb					
		M, NPT	 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						
Conformity to standards		IEC 60079-0, IEC 60079-1, IEC 60079-11, IEC 60079-31 EN 60079-0, EN 60079-1, EN 60079-11, EN 60079-31							
Enclosure material		Aluminum alloy enclosure, powder coated, industrial gray with dark lines texture(RAL7035)							
Exposed fastener		Stainless steel							
Frequency		50Hz / 60Hz							
Terminal block	Ex d, Ex tb	KBH31	MBK3/E-Z	400V AC 220V DC	16A		6	0.05kg	
			MBK5/E-Z	500V AC 220V DC	20A		4	0.04kg	
	KBH32	Pillar terminal 4-M5	20A			0.08kg			
	Ex i, Ex tb	KBH31	MBK3/E-Z	Max. 36VAC/DC	5A		6	0.05kg	
			MBK5/E-Z				4	0.04kg	
		KBH32	Pillar terminal 4-M5						0.08kg
	Cable cross section		0.2~4.0mm ²						
	Degree of protection		IP66						
Ambient temperature		-60°C~+55°C							
Cable entries		Standard M20×1.5~M32×1.5							
		Optional NPT1/2~NPT1							

4. Selection Table

Type	Code	Outline	Weight (kg)	Type	Code	Outline	Weight (kg)
KBH-ANPT1/2	A		0.66	KBH-DNPT1/2	D		0.66
KBH-ANPT3/4			0.65	KBH-DNPT3/4			0.71
KBH-ANPT 1			0.62	KBH-DNPT 1			0.60
KBH-AM20X1.5			0.65	KBH-DM20X1.5			0.70
KBH-AM25X1.5			0.67	KBH-DM25X1.5			0.67
KBH-AM32X1.5			0.62	KBH-DM32X1.5			0.60
KBH-BNPT1/2	B		0.68	KBH-ENPT1/2	E		0.68
KBH-BNPT3/4			0.66	KBH-ENPT3/4			0.66
KBH-BNPT 1			0.61	KBH-ENPT 1			0.61
KBH-BM20X1.5			0.67	KBH-EM20X1.5			0.67
KBH-BM25X1.5			0.65	KBH-EM25X1.5			0.65
KBH-BM32X1.5			0.61	KBH-EM32X1.5			0.61
KBH-CNPT1/2	C		0.69	KBH -K/	K		0.80
KBH-CNPT3/4			0.66				
KBH-CNPT 1			0.61				
KBH-CM20X1.5			0.69				
KBH-CM25X1.5			0.66				
KBH-CM32X1.5			0.61				

5. Outline and Installation(mm)

