

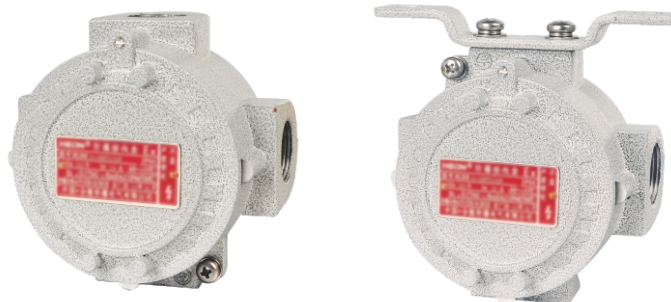
Explosion-proof Terminal Boxes

KBH 31/32 - Series

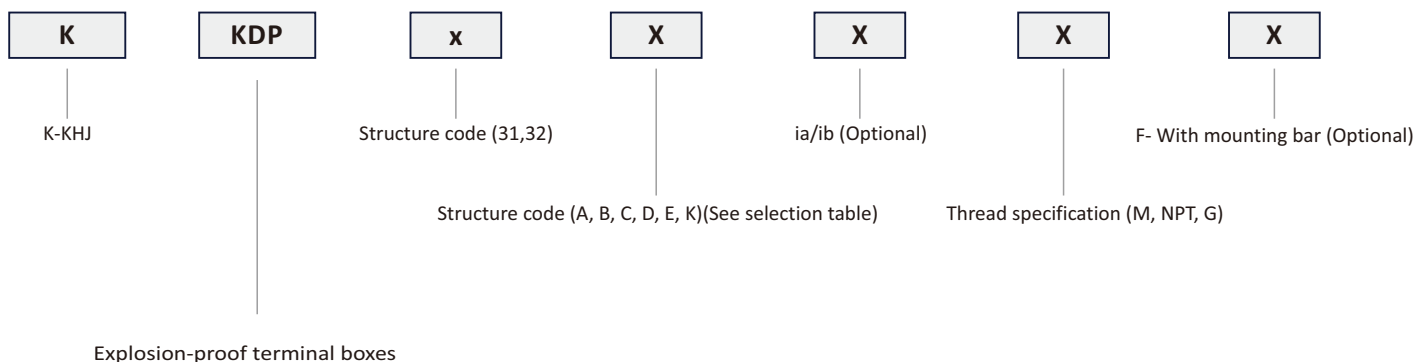
-  II 2 G Ex db IIC T6 Gb
-  II 1 G Ex ia IIC T6 Ga
-  II 2 G Ex ib IIC T6 Gb
-  II 2 D Ex tb IIIC T80°C Db

1. Application and Features

- Explosion protection
 - IECEx CSANe 22 ATEX 1008 X
 - ATEX IECEx TPS 22.0024X
- 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. Nomenclature

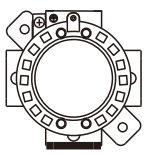
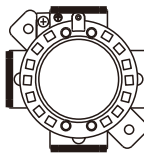
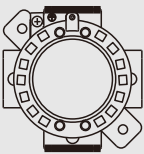
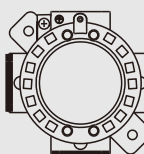
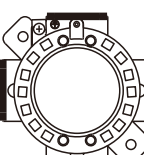
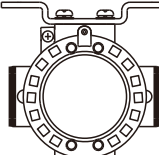


Note: Cable gland should be installed.

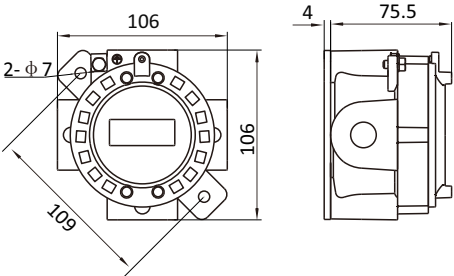
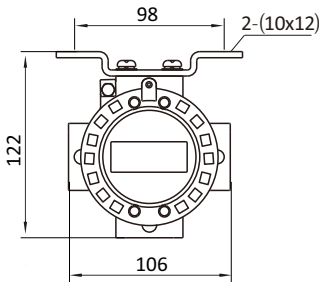
3. Technical Parameter

Ex marking	Gas	M, NPT	 II 2 G Ex db IIC T6 Gb	Ex db IIC T6 Gb					
			 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	M, NPT, G	 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 marking	Type	Terminal	Voltage	Current	Picture	Qty	Weight	
	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							
		Optional G1/2~G1							

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 Dimension(Dimensions in mm)

	 KBH□-K/□
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