

## BZA8050 系列防爆主令控制器

BZA8050 Series Explosion-proof Control Unit System

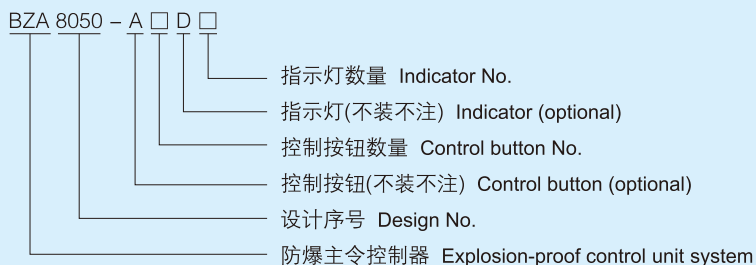


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### 应用场所 Application

- ◆ 为海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域的设备提供系列防爆控制电气产品；
- ◆ 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- ◆ 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- ◆ Widely used on marine engineering oil and gas drilling platforms, FPSO ships, LNG ships and dock to provide control for equipment;
- ◆ Can reliably work in severe environment where is easily affected by moisture, vibration, or corrosion;
- ◆ Explosive hazardous atmosphere zone 1, zone 2, zone 21, zone 22.

### 型号含义 Catalogue Number Logic



### 产品特性 Features

- ◆ 外壳采用GRP压制而成，具有耐腐蚀、耐强冲击、阻燃性及热稳定性好等性能；
- ◆ 防爆按钮采用模块式，按钮的功能可以自由组合；
- ◆ 增安型外壳，内装元件为防爆元件；
- ◆ 防爆指示灯采用特殊的设计，交流220V~380V通用；
- ◆ 外露紧固件采用不锈钢，防掉式设计，维修方便。
- ◆ Enclosure is made of GRP, corrosion resistance, anti-impact, good flame resistance capacity and thermal stability;
- ◆ Increased safety enclosure, built-in components are explosion-proof;
- ◆ The explosion-proof indicator is specially designed, suitable to be used in AC 220V~380V;
- ◆ The exposed fastener is of stainless steel, anti-off, easy for maintenance;

Zones 1&2 ; 21&22

技术参数 Technical parameters

◆ 防爆标志 Ex-Mark	<p>II 2 G Ex de IIC T6 Gb</p> <p>II 2 D Ex tb IIIC T80°C Db IP65</p>
◆ 执行标准 Compliance	IEC60079 EN60079 CCS入级规范 (CCS standard)
◆ 产品证书 Certificate	LCIE 09 ATEX 3097; IECEx CQM 11.0018; BVC10.0204
◆ 外壳材质 Enclosure material	GRP
◆ 额定电压 Rated voltage	Max. 415V AC
◆ 额定电流 Rated current	10A
◆ 防护等级 Degree of protection	IP65
◆ 进线规格 Cable entry	1x M25 x 1.5
◆ 适用电缆 Cable O.D.	φ 9~ φ 16(mm)
◆ 备注 Remark	本系列产品出厂时配防爆堵头, 若用户需要防爆电缆夹紧密封接头, 请参照P3/169~172页选型。 The product is provided with Ex plug, if Ex cable gland is needed, please select according page P3/169~172.

外形及安装尺寸举例 Outline dimension and mounting

类型 Type	元件布局 Components arrangement	外形尺寸 Dimension drawings
I		
II		
III		

# BZC8050 系列防爆操作柱

BZC8050 Series Explosion-proof Control Station

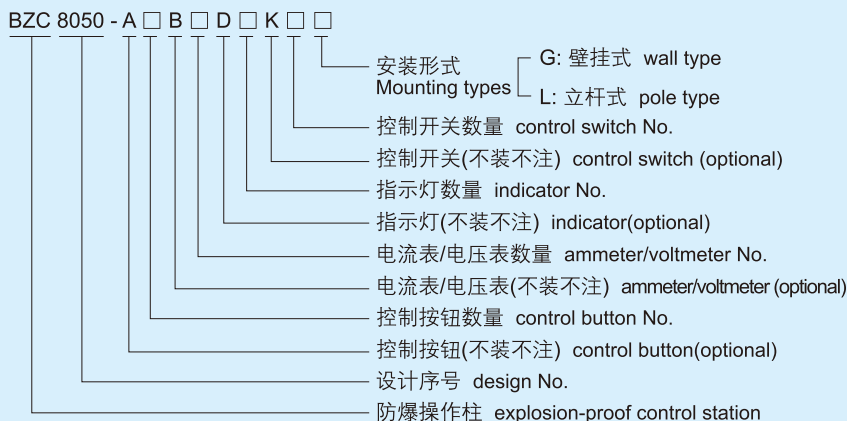


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## 应用场所 Application

- ◆ 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域专用设备的操作控制；
- ◆ 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- ◆ 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- ◆ Widely used on marine engineering oil and gas drilling platforms, FPSO ships, LNG ships and dock for operation and control of special equipment;
- ◆ Can reliably work in severe environment where is easily affected by moisture, vibration, or corrosion;
- ◆ Explosive hazardous atmosphere zone 1, zone 2, zone 21, zone 22.

## 型号含义 Catalogue Number Logic



## 产品特性 Features

- ◆ 外壳采用GRP压制而成，具有耐腐蚀、耐强冲击、阻燃性及热稳定性好等性能；
- ◆ 防爆型控制开关具有结构紧凑，可靠性好，体积小，通断能力强，寿命长，并有多种功能供用户选配。按钮采用模块化，按钮的功能可以两单元自由组合，防爆指示灯采用特殊的设计，交流220V~380V通用；
- ◆ 外露紧固件均采用不锈钢，为防掉式设计，方便维修；
- ◆ 体盖结合为迷宫式结构，密封条采用现浇发泡一次成型先进工艺，具有良好的防水、防尘能力。
- ◆ Enclosure is made of GRP, corrosion resistance, anti-impact, good flame resistance capacity and thermal stability;
- ◆ Explosion-proof control switch with compact structure, good reliability, small size, strong capacity, long life, and a variety of functions to be selected. modular button, function of buttons can be freely combined, explosion proof indicator with special design, AC 220V ~ 380V applicable;
- ◆ The exposed fastener is of stainless steel, anti-off, easy for maintenance;
- ◆ Body cover is of a labyrinth structure, seal strip is molded of advanced technology-on-site one time foaming, with good waterproof, dust-proof capabilities.

# Zones 1&2 ; 21&22

技术参数 Technical parameters

◆ 防爆标志 Ex-Mark	<p>⊕ II 2 G Ex de IIC T6 Gb</p> <p>⊕ II 2 D Ex tb IIIC T80°C Db IP65</p>
◆ 执行标准 Compliance	IEC60079 EN60079 CCS入级规范 (CCS standard)
◆ 产品证书 Certificate	LCIE 09 ATEX 3099; IECEx CQM 11.0029; BVC10.0205
◆ 外壳材质 Enclosure material	GRP
◆ 额定电压 Rated voltage	Max. 415V AC
◆ 额定电流 Rated current	10A
◆ 防护等级 Degree of protection	IP65
◆ 进线规格 Cable entry	M□x 1.5
◆ 备注 Remark	<p>1. 订货请注明电缆引入口的数量和尺寸(适用壁挂式)</p> <p>2. 立杆式安装仅适用于1x M32 x 1.5电缆引入口</p> <p>3. 本系列产品出厂时配防爆堵头, 若用户需要防爆电缆夹紧密接头, 请参照P3/169~172页选型。</p> <p>1. Please specify the cable entry Nos. and size (suitable for wall type)</p> <p>2. Pole type only suitable for 1x M32 x 1.5 cable entry</p> <p>3. The product is provided with Ex plug, if Ex cable gland is needed, please select according page P3/169~172.</p>

外形及安装尺寸举例 Outline dimension and mounting

类型 Type	元件布局 Components arrangement	外形尺寸 Dimension drawings
I		
II		
III		
IV		

# BZC8061 系列防爆防腐操作柱

BZC8061 Series Explosion-proof Corrosion-proof Control Station

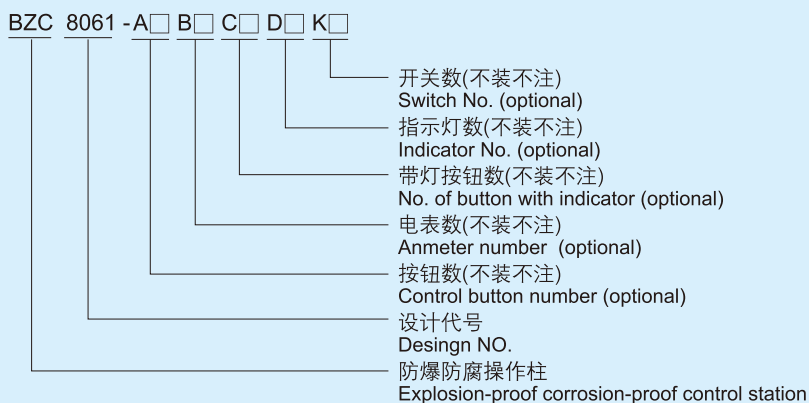


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## 应用场所 Application

- ◆ 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域专用设备的操作控制；
- ◆ 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- ◆ 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- ◆ Widely used for operation and control of special equipment on marine engineering oil and gas drilling platforms, FPSO ships, LNG ships and dock;
- ◆ Can reliably work in severe environment where is easily affected by moisture, vibration, or corrosion;
- ◆ Explosive hazardous atmosphere zone 1, zone 2, zone 21, zone 22.

## 型号含义 Catalogue Number Logic



## 产品特性 Features

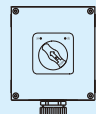
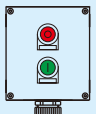
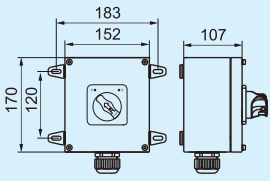


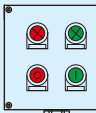
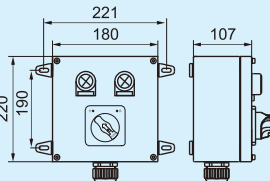
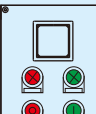
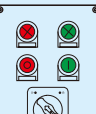
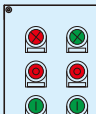
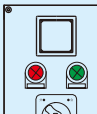
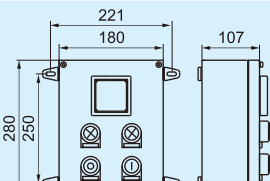
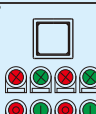

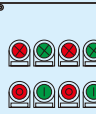

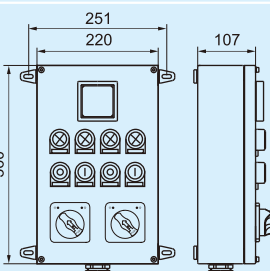
- ◆ 不锈钢材质成形，曲路密封结构；
- ◆ 密封橡胶采用线浇发泡先进工艺，连续无接口，粘接牢固，密封性好；
- ◆ 箱体表面拉丝处理，外形美观；
- ◆ 万能控制开关，多种电气功能任选。
- ◆ Formed of stainless steel, labyrinth seal structure;
- ◆ Seal rubber is treated with on-site foaming processing, seamless, firm bonding and well sealed;
- ◆ Wiredrawing processing for the box surface, with beautiful appearance;
- ◆ Universal control switch, several electric functions are available.

Zones 1&2 ; 21&22

技术参数 Technical parameters

◆ 防爆标志 Ex-Mark	Exde II CT6 Gb / DIPA21TA, T6
◆ 执行标准 Compliance	IEC60079 EN60079 GB3836 CCS入级规范 (CCS standard)
◆ 外壳材质 Enclosure material	316L不锈钢 316L stainless steel
◆ 额定电压 Rated voltage	220V / 380V 50Hz/60Hz
◆ 额定电流 Rated current	10A
◆ 防护等级 Degree of protection	IP65
◆ 防腐等级 Corrosion-proof	WF2
◆ 进线规格 Cable entry	1xM32x1.5
◆ 适用电缆 Cable O.D.	φ 13~ φ 18(mm)
◆ 备注 Remark	本系列产品出厂时配防爆堵头, 若用户需要防爆电缆夹紧密接头, 请参照P3/169~172页选型。 The product is provided with Ex plug, if Ex cable gland is needed, please select according page P3/169~172 .

外形及安装尺寸举例 Outline dimension and mounting

类型 Type	元件布局 Components arrangement	外形尺寸 Dimension drawings
I	 BZC8061-K1  BZC8061-A2	
II	 BZC8061-D2K1  BZC8061-A2B1  BZC8061-A2D2	
III	 BZC8061-A2B1D2  BZC8061-A2D2K1  BZC8061-A4D2  BZC8061-B1D2K1	
IV	 BZC8061-A4B1D4K2  BZC8061-A6D6  BZC8061-A4D4K2  BZC8061-A4B1D4	

# BZM8050 系列防爆防腐照明开关

BZM8050 Series Explosion-proof Corrosion-proof Illumination Switch

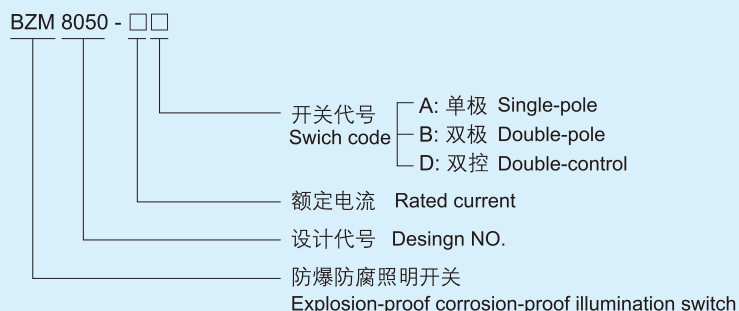


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## 应用场所 Application

- ◆ 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域照明设备的控制；
- ◆ 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- ◆ 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- ◆ Widely used on marine engineering oil and gas drilling platforms, FPSO ships, LNG ships and dock for control of lighting equipment;
- ◆ Can reliably work in severe environment where is easily affected by moisture, vibration, or corrosion;
- ◆ Explosive hazardous atmosphere zone 1, zone 2, zone 21, zone 22.

## 型号含义 Catalogue Number Logic



## 产品特性 Features

- ◆ 外壳采用GRP压制而成，具有耐腐蚀、耐强冲击、阻燃性及热稳定性好等性能；
- ◆ 外壳为增安型结构，内装防爆元件；
- ◆ 盖板密封条采用线浇发泡一次成形先进工艺，具有良好的防水、防尘能力；
- ◆ 电缆布线 (钢管布线请注明)。
- ◆ Enclosure is made of GRP, corrosion resistance, anti-impact, good flame resistance capacity and thermal stability;
- ◆ Increase safety enclosure, built-in Ex components;
- ◆ Sealing ring of the cover is treated with one-time on-site foaming processing, strong waterproof and dustproof capacity;
- ◆ Cable wiring (please specify if steel pipe wiring is needed).

# Zones 1&2 ; 21&22

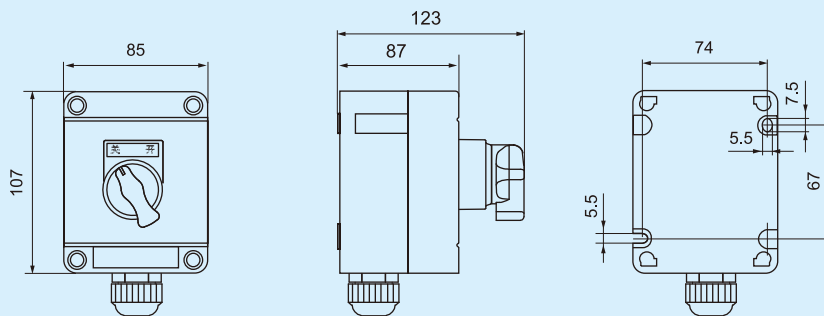
## 技术参数 Technical parameters

◆ 防爆标志 Ex-Mark	Exde II CT6 Gb / DIPA21TA, T6
◆ 执行标准 Compliance	IEC60079 EN60079 GB3836 CCS入级规范 (CCS standard)
◆ 外壳材质 Enclosure material	GRP
◆ 额定电压 Rated voltage	220V 50Hz/60Hz
◆ 额定电流 Rated current	10A
◆ 防护等级 Degree of protection	IP65
◆ 防腐等级 Corrosion-proof	WF2
◆ 进线规格 Cable entry	1xM32x1.5
◆ 适用电缆 Cable O.D.	φ 10~ φ 18(mm)
◆ 备注 Remark	本系列产品出厂时配防爆堵头, 若用户需要防爆电缆夹紧密封接头, 请参照P3/169~172页选型。 The product is provided with Ex plug, if Ex cable gland is needed, please select according page P3/169~172.

## 选配表 Selection table

型号 Type	BZM8050-10A	BZM8050-10B	BZM8050-10D
触点组合型式 Combination of the contact			
极数 Pole	单极 Single-pole	双极 Double-pole	双控 Double-control

## 外形尺寸 Outline Dimension





# BXM(D)8050防爆防腐照明(动力)配电箱

BXM(D)8050 Series Explosion-proof Corrosion-proof Illumination (power) Distribution Box



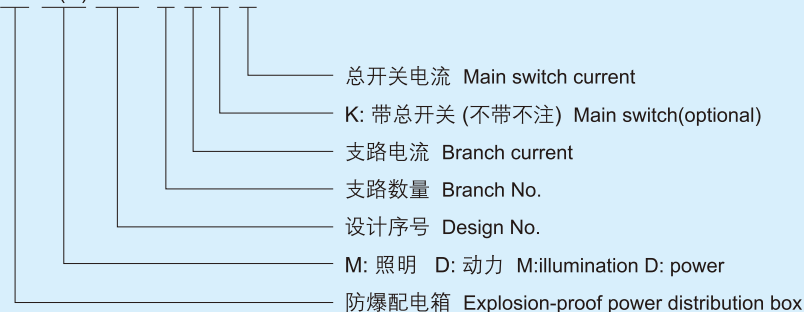
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## 应用场所 Application

- ◆ 广泛为海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域的设备作配电之用；
- ◆ 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- ◆ 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- ◆ Widely used for power distribution of equipment on marine engineering oil and gas drilling platforms, FPSO ships, LNG ships and dock;
- ◆ Can reliably work in severe environment where is easily affected by moisture, vibration, or corrosion;
- ◆ Explosive hazardous atmosphere zone 1, zone 2, zone 21, zone 22.

## 型号含义 Catalogue Number Logic

BX M(D) 8050- □/□/□/□



# Zones 1&2 ; 21&22

## 产品特性 Features



开关操作机构可配装挂锁  
Padlock is applicable to the switch operation mechanism



开关操作机构手柄可为金属材质  
The switch operation mechanism handle can be of metal.



不锈钢防掉螺钉便于安装维护  
The stainless steel anti-off screws can keep the mounting & maintenance easy



## BXM(D)8050防爆防腐照明(动力)配电箱

BXM(D)8050 Series Explosion-proof Corrosion-proof Illumination (power) Distribution Box

### 技术参数 Technical parameters

◆ 防爆标志 <b>Ex-Mark</b>	Ⓔ II 2 G Ex de IIC T6 /T5 / T4 Gb Ⓔ II 2 D Ex tb IIIC T80°C Db IP66
◆ 额定电流 <b>Rated current</b>	BXM8050 Max. 100A
◆ 支路电流 <b>Branch current</b>	≤32A
◆ 执行标准 <b>Compliance</b>	IEC60079 EN60079 CCS入级规范 (CCS standard)
◆ 产品证书 <b>Certificate</b>	DNV 14 ATEX____; IECEX
◆ 额定电压 <b>Rated voltage</b>	Max. 690V AC 50Hz/60Hz
◆ 防护等级 <b>Degree of protection</b>	IP66
◆ 进线规格 <b>Cable entry</b>	M□x 1.5
◆ 备 注 <b>Remark</b>	本系列产品出厂时配防爆堵头, 若用户需要防爆电缆夹紧密接头, 请参照P3/169~172页选型。 The product is provided with Ex plug, if Ex cable gland is needed, please select according page P3/169~172.

### 选配表 Selection table

型号 Model	描述 Description					电缆引入口 Cable entry
	总开关 Main switch	支路数量 Branch No.	支路开关 Branch switch	支路电流 Branch current	指示灯数量 Indicator No.	
BXM8050-4/□/K/□	BL8060 电流 current: max. 100A	4	BL8060 1P/2P	1A, 2A, 4A, 6A, 10A, 16A, 20A, 25A, 32A, 可选 (optional)	3	1 x M40 x 1.5 + 4 x M25 x 1.5
BXM8050-6/□/K/□		6			3	1 x M40 x 1.5 + 6 x M25 x 1.5
BXM8050-8/□/K/□		8			3	1 x M40 x 1.5 + 8 x M25 x 1.5
BXM8050-10/□/K/□		10			3	1 x M40 x 1.5 + 10 x M25 x 1.5
BXM8050-12/□/K/□		12			3	1 x M40 x 1.5 + 12 x M25 x 1.5
BXM8050-4/□	/	4	BL8060 1P/2P	1A, 2A, 4A, 6A, 10A, 16A, 20A, 25A, 32A, 可选 (optional)	3	1 x M40 x 1.5 + 4 x M25 x 1.5
BXM8050-6/□		6			3	1 x M40 x 1.5 + 6 x M25 x 1.5
BXM8050-8/□		8			3	1 x M40 x 1.5 + 8 x M25 x 1.5
BXM8050-10/□		10			3	1 x M40 x 1.5 + 10 x M25 x 1.5
BXM8050-12/□		12			3	1 x M40 x 1.5 + 12 x M25 x 1.5
BXD8050-4/□/K/□	BL8060 电流 current: max. 250A	4	BL8060 3P	1A, 2A, 4A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A, 可选(optional)	3	1 x M50 x 1.5 + 4 x M25 x 1.5
BXD8050-6/□/K/□		6			3	1 x M50 x 1.5 + 6 x M25 x 1.5
BXD8050-8/□/K/□		8			3	1 x M50 x 1.5 + 8 x M25 x 1.5
BXD8050-10/□/K/□		10			3	1 x M50 x 1.5 + 10 x M25 x 1.5
BXD8050-12/□/K/□		12			3	1 x M50 x 1.5 + 12 x M25 x 1.5
BXD8050-4/□	/	4	BL8060 3P	1A, 2A, 4A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A, 可选(optional)	3	1 x M50 x 1.5 + 4 x M25 x 1.5
BXD8050-6/□		6			3	1 x M50 x 1.5 + 6 x M25 x 1.5
BXD8050-8/□		8			3	1 x M50 x 1.5 + 8 x M25 x 1.5
BXD8050-10/□		10			3	1 x M50 x 1.5 + 10 x M25 x 1.5
BXD8050-12/□		12			3	1 x M50 x 1.5 + 12 x M25 x 1.5

# BXM(D)8061防爆防腐照明(动力)配电箱

BXM(D)8061 Series Explosion-proof Corrosion-proof Illumination (power)Distribution Box



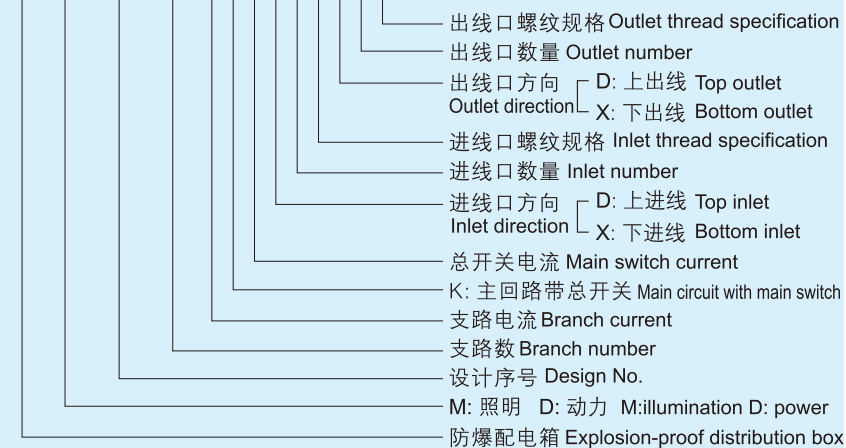
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## 应用场所 Application

- ◆ 广泛为海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域的设备作配电之用；
- ◆ 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- ◆ 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- ◆ Widely used for power distribution of equipment on marine engineering oil and gas drilling platforms, FPSO ships, LNG ships and dock;
- ◆ Can reliably work in severe environment where is easily affected by moisture, vibration, or corrosion;
- ◆ Explosive hazardous atmosphere zone 1, zone 2, zone 21, zone 22.

## 型号含义 Catalogue Number Logic

BX M(D) 8061 - □ / □□□□□□□□□□



## 产品特性 Features

- ◆ 不锈钢材质成形，曲路密封结构；
- ◆ 盖板上操作手柄设有挂锁装置，避免误操作。产品在恶劣环境下也可正常操作，也保证了使用者的人身安全；
- ◆ 总开关、分开关操作面板区分明显，便于现场识别；
- ◆ 箱体表面拉丝处理，外形美观；
- ◆ 内装断路器为防爆元件；
- ◆ 总开关电流最大可至225A。

- ◆ Formed of stainless steel, labyrinth seal structure;
- ◆ Padlock is provided on operating handle of cover to prevent misuse. Products in harsh environments can also be normally operated, which ensures users' personal safety;
- ◆ Main switch, and branch switch control panels are separated, easy for on-site identification;
- ◆ Box surface is wire drawing processed, with beautiful shape;
- ◆ Built-in circuit breaker is special explosion-proof component;
- ◆ The max.current of main switch up to 225A.

# Zones 1&2 ; 21&22

## 技术参数 Technical parameters

◆ 防爆标志 Ex-Mark	Exde II CT6 Gb	Exde II CT5 Gb	Exde II CT4 Gb
◆ 额定电流 Rated current	DIPA21TA, T6		
◆ 执行标准 Compliance	≤32A	40A, 50A	63A~225A
◆ 外壳材质 Enclosure material	IEC60079 EN60079 GB3836 CCS入级规范 (CCS standard)		
◆ 额定电压 Rated voltage	316L不锈钢 316L stainless steel		
◆ 防护等级 Degree of protection	220V/380V 50Hz/60Hz		
◆ 防腐等级 Corrosion-proof	IP65		
◆ 备注 Remark	WF2		
	<p>本系列产品出厂时配防爆堵头, 若用户需要防爆电缆夹紧密接头, 请参照P3/169~172页选型。 The product is provided with Ex plug, if Ex cable gland is needed, please select according page P3/169~172 .</p>		

## 选型表 Selection table

型号 Type	支路数 Branch No.	主回路总开关数(台) Main switch No. of the main circuit	主回路额定电流 Rated current of the main circuit (A)	主回路进线口螺纹 Inlet thread of the main circuit	主回路进线口电缆外径 Inlet cable O.D. of the main circuit (mm)	支路额定电流 Rated current of the branch (A)	支路出线口螺纹 the outlet thread of the branch	支路出线口电缆外径 cable O.D. of the branch outlet (mm)
BX□8061-4	4	/	/	/	/	1~16	M25×1.5	Φ9~Φ14
BX□8061-6	6							
BX□8061-8	8							
BX□8061-10	10							
BX□8061-12	12							
BX□8061-4/K	4	1	≤32	M32×1.5	Φ13~Φ18	32~50	M32×1.5	Φ13~Φ18
BX□8061-6/K	6		40~63	M40×1.5	Φ17~Φ25			
BX□8061-8/K	8		80~160	M50×1.5	Φ22~Φ32			
BX□8061-10/K	10		180~225	M63×1.5	Φ31~Φ41			
BX□8061-12/K	12							

# BXK 系列防爆控制箱

BXK Series Explosion-proof Control Box

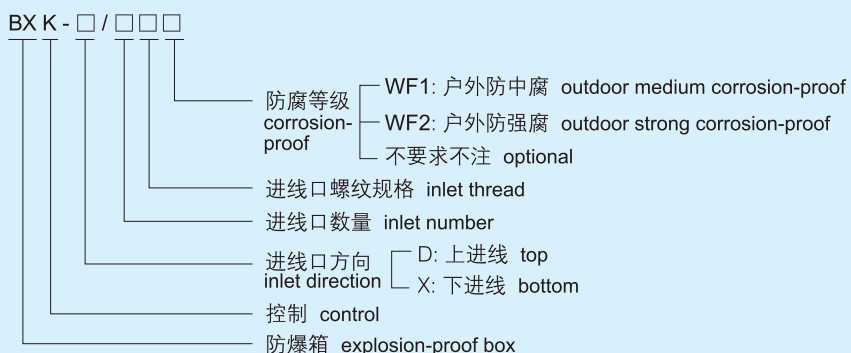


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## 应用场所 Application

- ◆ 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域，为各类装备提供控制电气产品；
- ◆ 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- ◆ 适用于爆炸性危险环境1区、2区等场所。
- ◆ To provide control for equipment used on marine engineering oil and gas drilling platforms, FPSO ships, LNG ships and dock;
- ◆ Can reliably work in severe environment where is easily affected by moisture, vibration, or corrosion;
- ◆ Explosive hazardous atmosphere zone 1, zone 2.

## 型号含义 Catalogue Number Logic



## 产品特性 Features

- ◆ 本系列产品为全隔爆型，外壳采用海工专用铝合金压铸成型，表面高压静电喷塑，也可根据用户要求制做优质碳钢或316L不锈钢材质；
- ◆ 内装元件多样：按钮、指示灯、电表、控制开关、小型断路器、塑壳断路器、交流接触器、各种继电器、测量仪表、PLC及用户提供其它仪器仪表等。
- ◆ This series of products are with flameproof enclosure , which is of maritime special die-cast aluminum alloy, surface powder coated, according to user requirements high-quality carbon steel or 316L stainless steel are available;
- ◆ Inner components include: buttons, lights, meters, control switches, miniature circuit breakers, molded case circuit breakers, AC contactors, various relays, measuring instruments, PLC and other instruments provided by users.

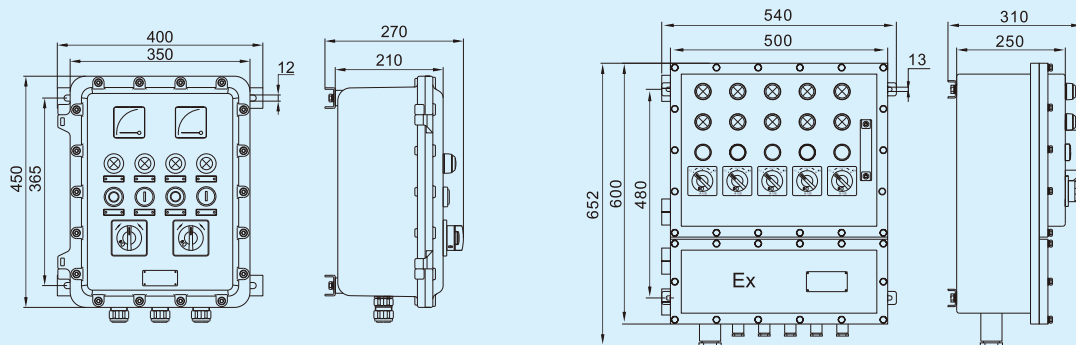


# Zones 1&2

### 技术参数 Technical parameters

◆ 防爆标志 Ex-Mark	Exd II BT6 Gb
◆ 执行标准 Compliance	IEC60079 EN60079 GB3836 CCS入级规范 (CCS standard)
◆ 外壳材质 Enclosure material	海工专用铝合金、优质碳钢、316L不锈钢 maritime special aluminum alloy, high quality carbon steel, 316L stainless steel
◆ 额定电压 Rated voltage	≤415V 50Hz/60Hz
◆ 额定电流 Rated current	≤63A
◆ 防护等级 Degree of protection	IP65
◆ 防腐等级 Corrosion-proof	WF2
◆ 进出线口方向 Inlet direction	下进下出或按用户要求 Bottom entry or upon user's request
◆ 备注 Remark	本系列产品出厂时配防爆堵头, 若用户需要防爆电缆夹紧密封接头, 请参照P3/173~178页选型。 The product is provided with Ex plug, if Ex cable gland is needed, please select according page P3/173~178.

### 外形示意图(尺寸单位为mm)-可修改 Outline dimension (mm) -subject to alteration



# BQD 系列防爆马达启动器

BQD Series Explosion-proof Motor Starter

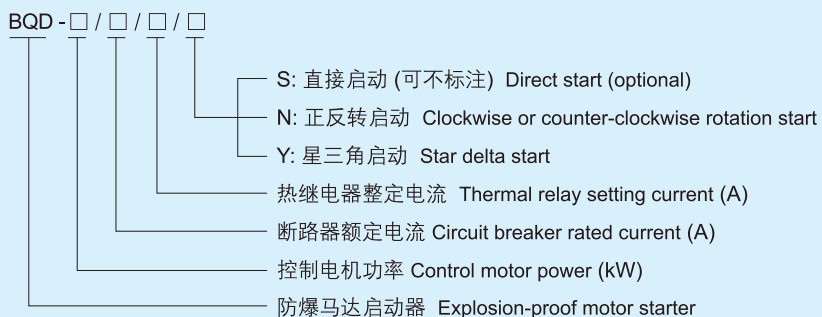


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## 应用场所 Application

- ◆ 为海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域的设备提供操作控制及远程操作；
- ◆ 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- ◆ 适用于爆炸性危险环境1区、2区、21区、22区等场所。
- ◆ Widely used for operation control or remote control of equipment on marine engineering oil and gas drilling platforms, FPSO ships, LNG ships and dock;
- ◆ Can reliably work in severe environment where is easily affected by moisture, vibration, or corrosion;
- ◆ Explosive hazardous atmosphere zone 1, zone 2, zone 21, zone 22.

## 型号含义 Catalogue Number Logic



# Zones 1&2 ; 21&22

## 产品特性 Features

- ◆ 内装交流接触器，热继电器，自复位万能转换开关，带总开关时还装有高分断小型断路器；
- ◆ 可控制50Hz，380V三相异步电动机的直接起动停止，并具有过载和断相及失压保护；
- ◆ 可带远控；
- ◆ 钢管或电缆布线均可；
- ◆ 最大电流可至63A。
- ◆ Built-in AC contactor, thermal relay, reset switch, when equipped with a master switch, MCB provided;
- ◆ Can control direct start/stop of 50Hz, 380V three-phase asynchronous motor, and with overload, phase-loss and voltage-loss protection function;
- ◆ Remote control available;
- ◆ Pipe or cable wiring;
- ◆ Maximum current up to 63A.



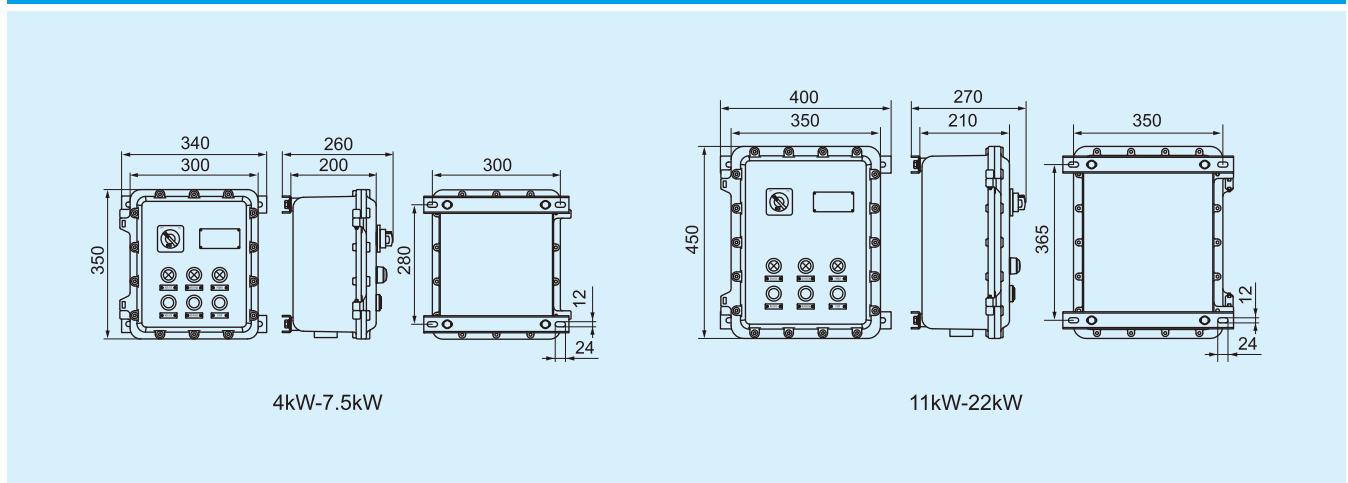
## 技术参数 Technical parameters

◆ 防爆标志 <b>Ex-Mark</b>	<b>BQD-□/□/□(直接启动)</b> (direct start)	<b>BQD-□/□/□N(正反转启动)</b> (clockwise or counter-clockwise rotation start)
◆ 执行标准 <b>Compliance</b>	IEC60079 IEC61241 EN60079 CCS入级规范 (CCS standard)	
◆ 产品证书 <b>Certificate</b>	LCIE 06 ATEX 6090; IECEx LCI 08.0010	
◆ 外壳材质 <b>Enclosure material</b>	海工专用铝合金 maritime special aluminum alloy	
◆ 额定电压 <b>Rated voltage</b>	380V / 400V AC 50Hz/60Hz	
◆ 防护等级 <b>Degree of protection</b>	IP65	
◆ 进出线口方向 <b>Inlet direction</b>	下进下出或按用户要求 Bottom entry or upon user's request	
◆ 备注 <b>Remark</b>	本系列产品出厂时配防爆堵头, 若用户需要防爆电缆夹密封胶头, 请参照P3/173~178页选型。 The product is provided with Ex plug, if Ex cable gland is needed, please select according page P3/173~178.	

## 选配表 Selection table

型号 Model		控制电机功率 (kW) Control motor power	断路器额定电流 (A) Breaker rated current	热继电器整定电流调节范围 (A) Thermal relay setting current adjustment range	接触器额定电流(A) Contactor rated current	电缆引入口规格 Cable entry
直接启动 Direct start	正反转启动 Clockwise or counter-clockwise rotation start					
BQD-4/16/7~10	BQD-4/16/7~10/N	4	16	7~10, Ie=8.5	9	2 x M25 x 1.5
BQD-5.5/20/9~13	BQD-5.5/20/9~13/N	5.5	20	9~13, Ie=11	12	2 x M25x 1.5
BQD-7.5/25/12~18	BQD-7.5/25/12~18/N	7.5	25	12~18, Ie=16	18	2 x M32 x 1.5
BQD-11/32/16~24	BQD-11/32/16~24/N	11	32	16~24, Ie=23	25	2 x M32 x 1.5
BQD-15/40/23~32	BQD-15/40/23~32/N	15	40	23~32, Ie=30	32	2 x M32 x 1.5
BQD-18.5/50/30~38	BQD-18.5/50/30~38/N	18.5	50	30~38, Ie=36	40	2 x M40 x 1.5
BQD-22/63/37~50	BQD-22/63/37~50/N	22	63	37~50, Ie=46	50	2 x M40 x 1.5

## 外形示意图 (尺寸单位为mm) - 可修改 Outline dimension (mm) -subject to alteration





# BQD 系列防爆马达启动器

BQD Series Explosion-proof Motor Starter

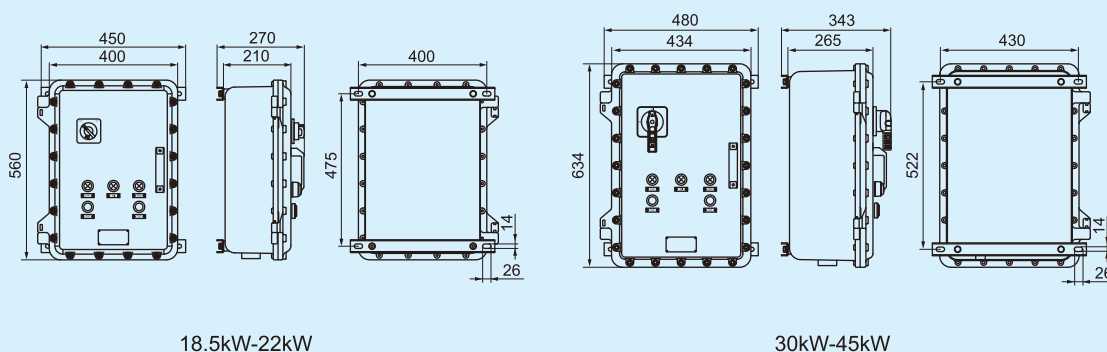
## 技术参数 Technical parameters

◆ 防爆标志 <b>Ex-Mark</b>	<b>BQD-□/□/□Y</b> (星三角启动 Star delta start) ⊕ II 2 G Ex d IIB T6      Ex tD A21 T80°C IP65
◆ 执行标准 <b>Compliance</b>	IEC60079 IEC61241 EN60079 CCS入级规范 (CCS standard)
◆ 产品证书 <b>Certificate</b>	LCIE 06 ATEX 6090; IECEX LCI 08.0010
◆ 外壳材质 <b>Enclosure material</b>	海工专用铝合金 maritime special die-cast aluminum alloy
◆ 额定电压 <b>Rated voltage</b>	380V / 400V AC 50Hz/60Hz
◆ 防护等级 <b>Degree of protection</b>	IP65
◆ 进出线口方向 <b>Inlet direction</b>	下进下出或按用户要求 Bottom entry or upon user's request
◆ 备注 <b>Remark</b>	本系列产品出厂时配防爆堵头, 若用户需要防爆电缆夹紧密接头, 请参照P3/173~178页选型。 The product is provided with Ex plug, if Ex cable gland is needed, please select according page P3/173~178 .

## 选配表 Selection table

型号 Model	控制电机功率 (kW) Control motor power	断路器额定电流 (A) Breaker rated current	热继电器整定电流 调节范围 (A) Thermal relay setting current adjustment range	延迟时间 Delay time	电缆引入口 规格 Cable entry
BQD-18.5/50/30-40/Y	18.5	50	30~40, Ie=36	13s	3 x M40 x 1.5
BQD-22/63/37-50/Y	22	63	37~50, Ie=46	15s	3 x M40 x 1.5
BQD-30/80/48-65/Y	30	80	48~65, Ie=60	17s	3 x M50 x 1.5
BQD-37/100/63-80/Y	37	100	63~80, Ie=75	18s	3 x M50 x 1.5
BQD-45/125/80-104Y	45	125	80~104, Ie=90	20s	3 x M63 x 1.5

## 外形示意图 (尺寸单位为mm) - 可修改 Outline dimension (mm) -subject to alteration



## edHH系列铜质防爆开关

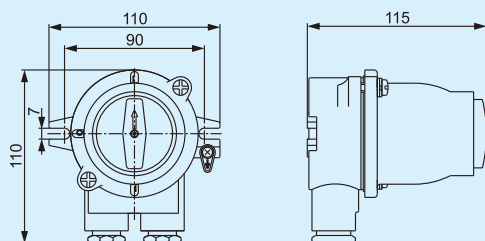
edHH Series Copper Explosion-proof Switch



## 产品特性 Application

- ◆ 广泛应用于海洋工程各类作业平台、各类化学品、天然气运输船、危险品码头等危险区域作设备控制之用；
- ◆ 可在潮湿、振动、腐蚀等恶劣环境中可靠工作；
- ◆ 适用于爆炸性危险环境1区、2区等场所。
- ◆ Widely used for control of equipment on marine engineering oil and gas drilling platforms, FPSO ships, LNG ships and dock;
- ◆ Can reliably work in severe environment where is easily affected by moisture, vibration, or corrosion;
- ◆ Explosive hazardous atmosphere zone 1, zone 2.

## 外形尺寸 Outline Dimension



## 技术参数 Technical parameters

- ◆ 防爆标志 Exde IIC T6 Gb  
**Ex-Mark**
- ◆ 执行标准 IEC60079 EN60079  
**Compliance** GB3836 CCS入级规范 (CCS standard)
- ◆ 额定电压 220V / 380V AC  
**Rated voltage**
- ◆ 额定电流 10A, 16A  
**Rated Current**
- ◆ 防护等级 IP56  
**Degree of protection**
- ◆ 电缆引入口 M25 × 1.5  
**Cable entry** Φ10~Φ14mm
- ◆ 材质 铜质  
**Material** Copper

## 选配表 Selection table

型号 Model	edHH201	edHH202	edHH302	edHH402
示意图 Figure				

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