

HEXLON

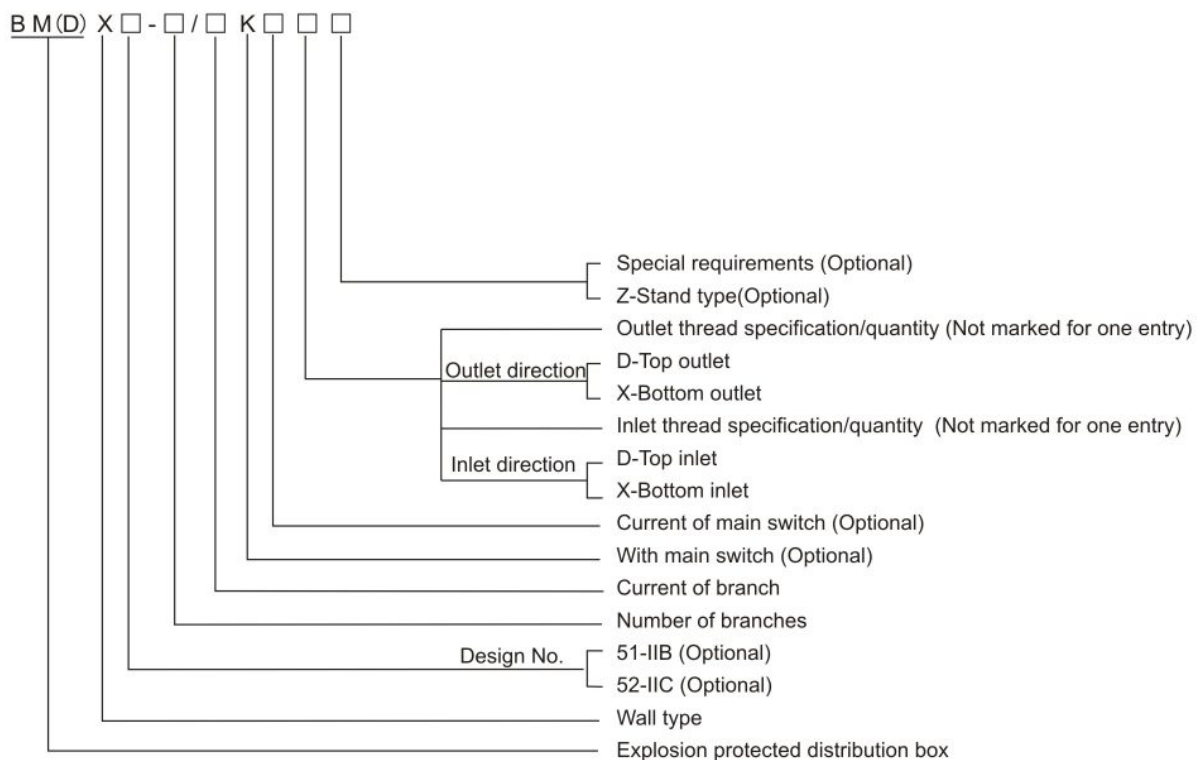
BM(D)X□-Series Explosion Protected Distribution Box

1 Application and Features

- Explosion protection
 - IECEX (IEC)
 - ATEX (CENELEC, EN)
 - China Ex(GB)
- Application in hazardous area
 - Zone 1 and Zone 2,
 - Zone 21 and Zone 22
- This product is combined with flame-proof cavity and an increased safety cavity, the branch switch and the main switch are operated by the operating handle on the panel.
- Modular structure, The enclosures can be combined and installed to meet the various requirements of power distribution systems.
- The product is wired with terminals and components.
- The circuit breaker using metal handle with frozen-resistant and can be equipped with a padlock.
- With stop plug for cable entry holes, cable entry devices are optional.
- Please specify the special requirements when ordering.

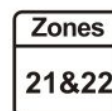
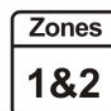


2 Nomenclature



Note:

1. Please specify the number, specification and position of the cable entry holes;
2. Please provide the electrical schematic diagram, please specify the needed of photoswitch, time switch, AC contactor, thermal relay or others;
3. Please specify the special requirements;
4. The rain shade is customizable by requirements.



3 Technical Parameter

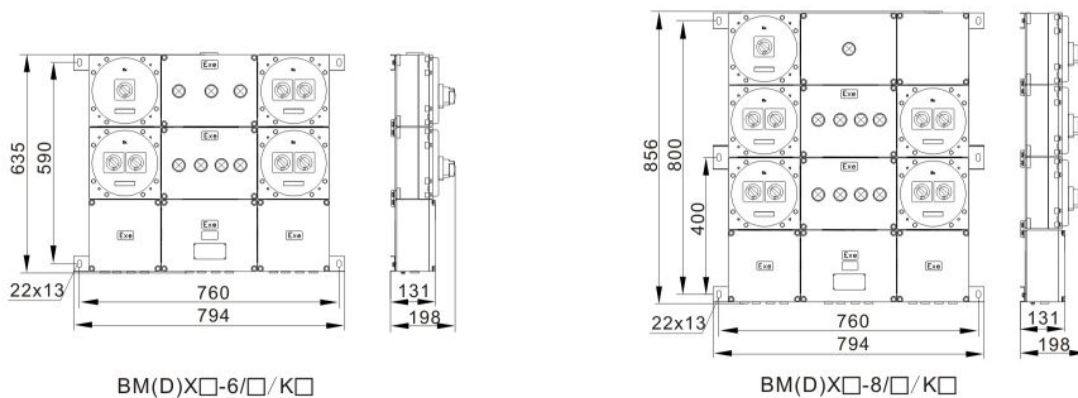
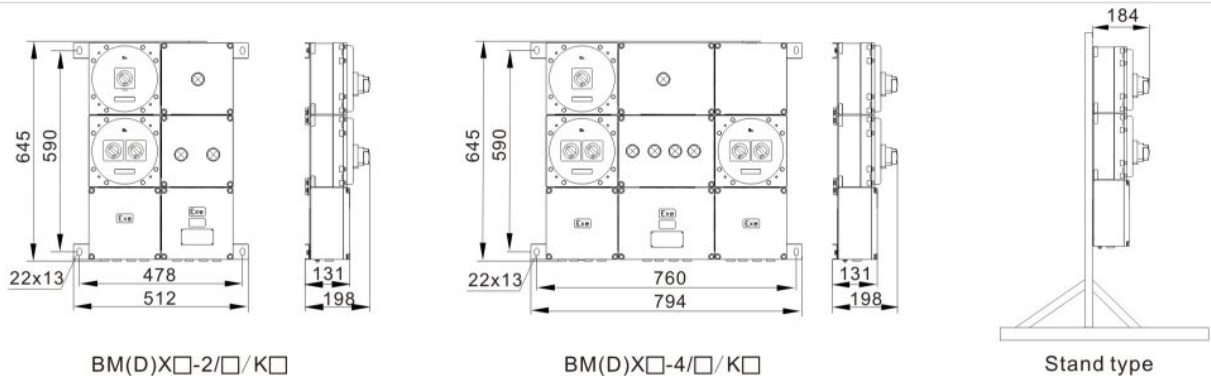
Ex marking	Gas	Ex II 2 G Ex de IIB T6/T5/T4 Gb	Ex de IIB T6/T5/T4 Gb	Ex de IIB T6/T5/T4 Gb
	Dust	Ex II 2 G Ex de IIC T6/T5/T4 Gb	Ex de IIC T6/T5/T4 Gb	Ex de IIC T6/T5/T4 Gb
		Ex II 2 D Ex tb IIC T80°C/T95°C Db IP66	Ex tb IIC T80°C/T95°C Db IP66	Ex tDA21 IP66 T80°C/T95°C
Conformity to standards		IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31 EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-31 GB3836.1, GB3836.2, GB3836.3, GB12476.1, GB12476.5		
Enclosure material	Enclosure	Aluminum alloy enclosure, powder coated, Industrial grey with dark lines texture (RAL7035)		
	Rain shade	Bended steel plate surface powder coated, industrial grey with dark lines texture (RAL7035) or stainless steel 304/316, please note when needed		
Exposed fasteners		Stainless steel		
Components	Flame-proof enclosure	Miniature circuit breaker (MCB), leakage protection device provided by requirements		
		Molded case circuit breaker (MCCB), leakage protection device provided by requirements		
	Increased safety cavity enclosure	World famous brand of terminal block		
		HI0101 explosion-proof control button, refer to P B/122 for technical parameters		
		HL0102 explosion-proof indicator, refer to P B/130 for technical parameters		
		HL0101-S explosion-proof control switch, refer to P B/126 for technical parameters		
		HL0109 explosion-proof ammeter, refer to P B/120 for technical parameters		
Rated voltage		24, 36, 110, 220, 230, 380, 415V AC; 24, 36, 110, 220V DC		
Rated current	Main circuit	6A≤Ie≤250A		
	Branch circuit	1A≤Ie≤63A		
Frequency		50Hz/60Hz		
Temperature class		Main circuit	Branch circuit	Main circuit
	Current	80A≤Ie≤250A	Ie≤63A	Ie≤100A
	Gas	T4		T5
	Dust	T95°C		T80°C
Degree of protection		IP66		
Ambient temperature		IIB type: -40°C~+55°C, IIC type: -20°C~+55°C		
Cable entry	Default	G1/2~G3, HLB M□ for recommended, see page D/07~D/20 for details		
	Optional	M20X1.5~M90×1.5, NPT1/2~G3, HLB M□ for recommended, see page D/07~D/20 for details		
Inlet direction		Bottom in and bottom out, upon request		
Installation method		Wall type (default)		
		Stand type (optional)		

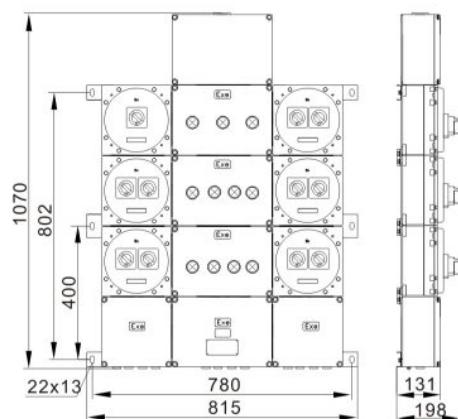
4 Selection table of BMX□ series

Type	Main switch	Number of branch	Branch switch	Current of branch	Number of indicator	Cable entries
BMX□-2/□/K□	MCB or MCCB Current: Max. 100A	2	MCB 1P/2P	1A, 2A, 4A, 6A, 10A, 16A, 20A, 25A, 32A, 50A, 63A	1+2	1XM40X1.5+2XM25X1.5
BMX□-4/□/K□		4			1+4	1XM40X1.5+4XM25X1.5
BMX□-6/□/K□		6			1+6	1XM40X1.5+6XM25X1.5
BMX□-8/□/K□		8			1+8	1XM40X1.5+8XM25X1.5
BMX□-10/□/K□		10			1+10	1XM40X1.5+10XM25X1.5
BMX□-12/□/K□		12			1+12	1XM40X1.5+12XM25X1.5
BMX□-2/□	--	2	MCB 1P/2P	1A, 2A, 4A, 6A, 10A, 16A, 20A, 25A, 32A, 50A, 63A	2	1XM40X1.5+2XM25X1.5
BMX□-4/□		4			4	1XM40X1.5+4XM25X1.5
BMX□-6/□		6			6	1XM40X1.5+6XM25X1.5
BMX□-8/□		8			8	1XM40X1.5+8XM25X1.5
BMX□-10/□		10			10	1XM40X1.5+10XM25X1.5
BMX□-12/□		12			12	1XM40X1.5+12XM25X1.5

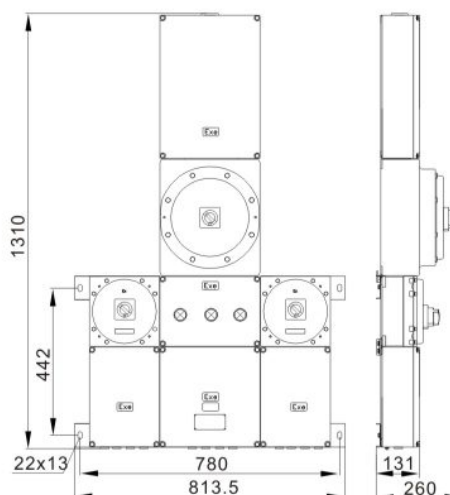
HEXLON**BM(D)X□-Series Explosion Protected Distribution Box****5 Selection table of BMX□ series**

Description							
Type	Main switch	Number of branch	Branch switch	Current of branch	Number of indicator	Cable entries	Weight (Kg)
BDX□-2/□/K□	MCB or MCCB Current: Max. 250A	2	MCB 3P	1A,2A,4A, 6A,10A,16A, 20A,25A,32A, 40A,50A,63A	1+2	1XM50X1.5+2XM25X1.5	27.5
BDX□-4/□/K□		4			1+4	1XM50X1.5+4XM25X1.5	34
BDX□-6/□/K□		6			1+6	1XM50X1.5+6XM25X1.5	41
BDX□-8/□/K□		8			1+8	1XM50X1.5+8XM25X1.5	48
BDX□-10/□/K□		10			1+10	1XM50X1.5+10XM25X1.5	54.5
BDX□-12/□/K□		12			1+12	1XM50X1.5+12XM25X1.5	61.5
BDX□-2/□	--	2	MCB 3P	1A,2A,4A, 6A,10A,16A, 20A,25A,32A, 40A,50A,63A	2	1XM50X1.5+2XM25X1.5	8.5
BDX□-4/□		4			4	1XM50X1.5+4XM25X1.5	15
BDX□-6/□		6			6	1XM50X1.5+6XM25X1.5	22
BDX□-8/□		8			8	1XM50X1.5+8XM25X1.5	29
BDX□-10/□		10			10	1XM50X1.5+10XM25X1.5	35.5
BDX□-12/□		12			12	1XM50X1.5+12XM25X1.5	42.5

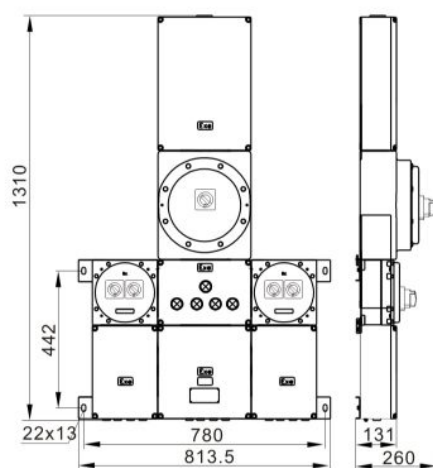
6 Outline and Installation Dimension(customizable)(Dimensions in mm)



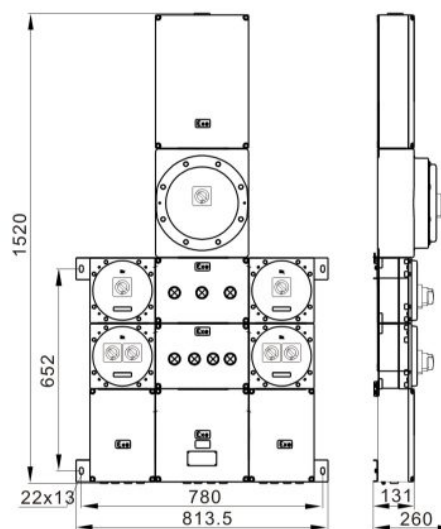
BM(D)X□-10□/K□



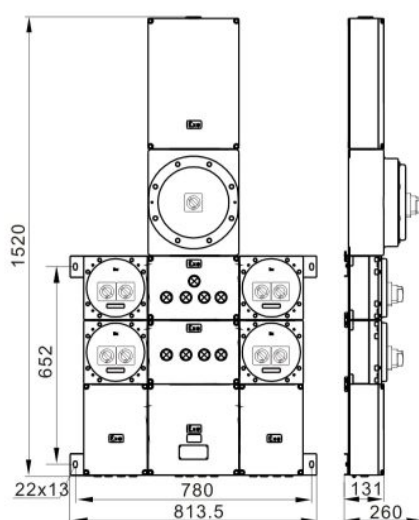
BM(D)X□-2□/K□



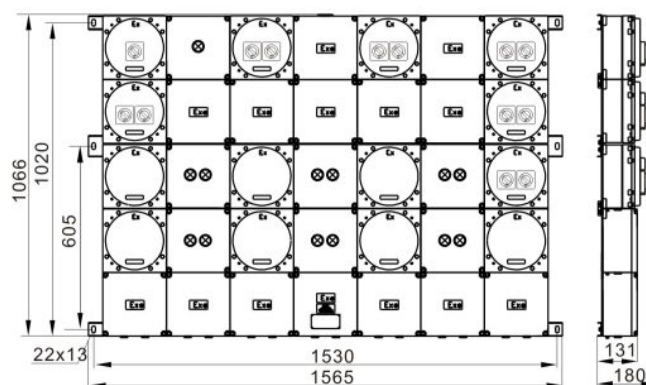
BM(D)X□-4□/K□



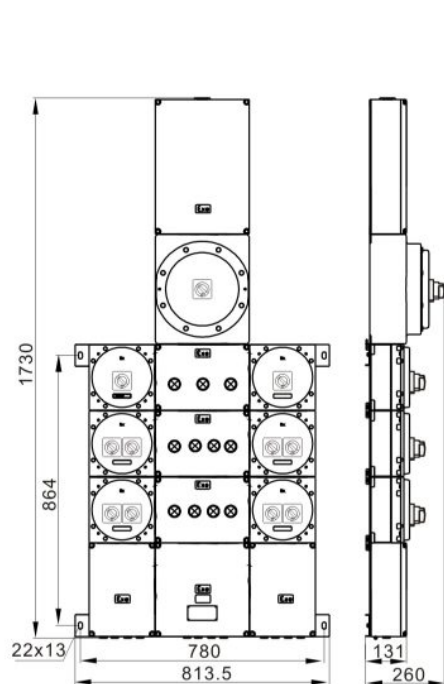
BM(D)X□-6□/K□



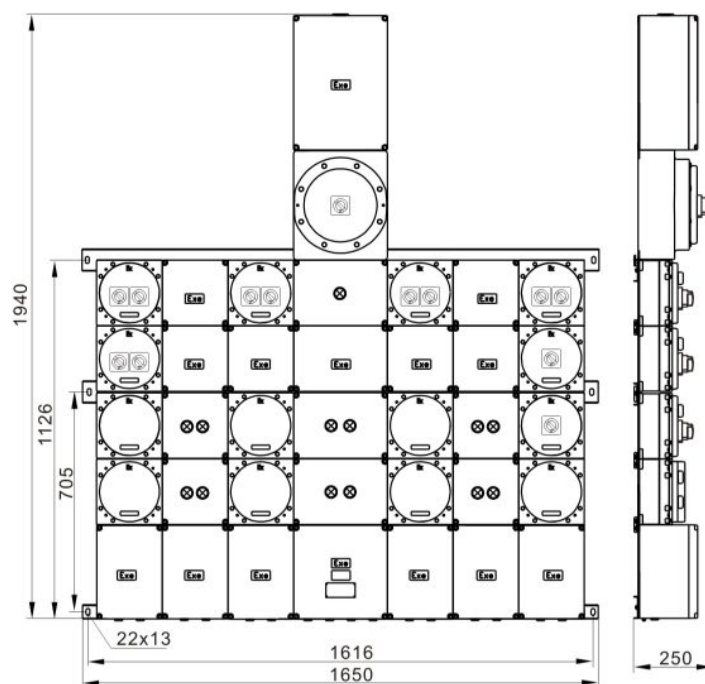
BM(D)X□-8□/K□



BM(D)X□-12□/QK□

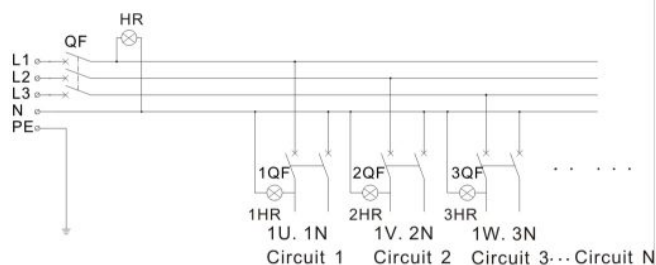


BM(D)X□-10/□/K□

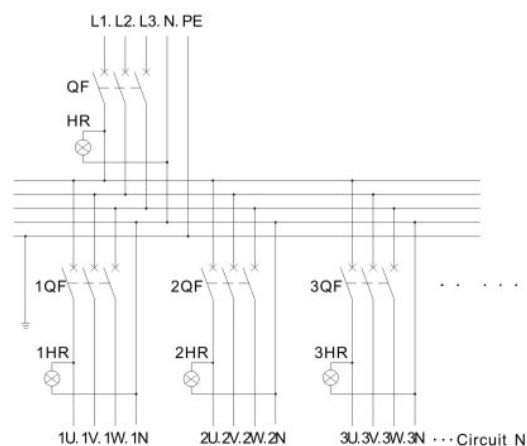


BM(D)X□-12/□/QK□

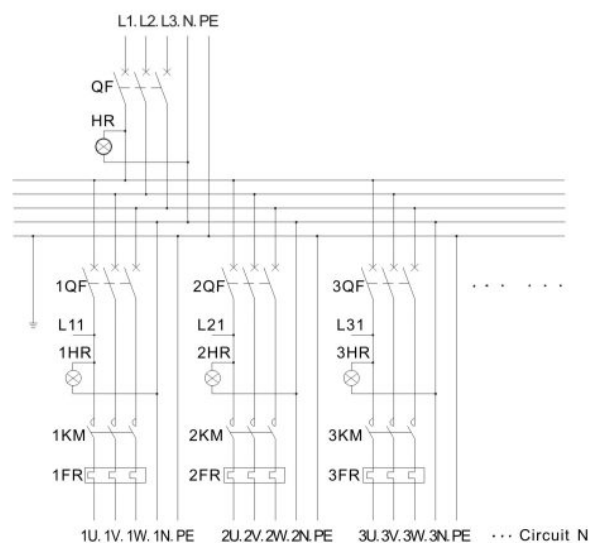
7 Electrical Schematic Diagram



BMX□-series Explosion-proof Illumination Distribution Box



BMX□-series Explosion-proof Power Distribution Box



BM(D)X□-Q series explosion-proof distribution box (motor starter)