

HEXLON

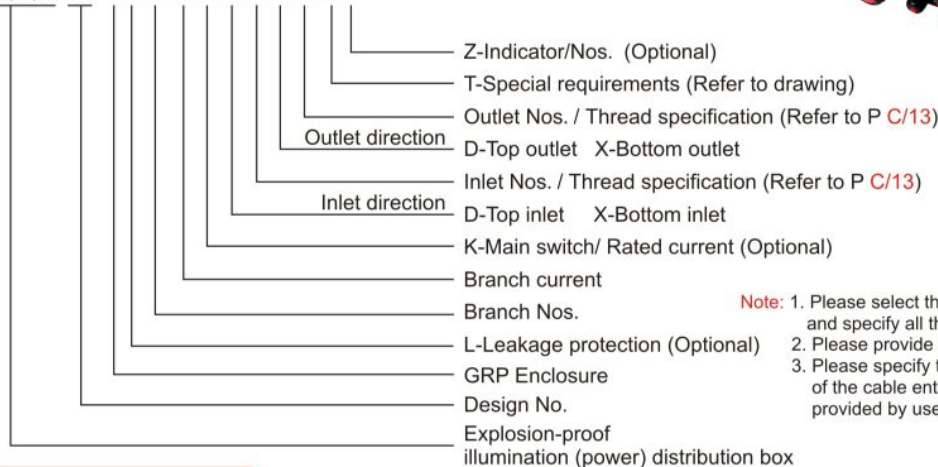
BM(D)X52-S Series Explosion-proof Illumination (Power) Distribution Box

1 Application and Features

- Explosion protection
 - China Ex(GB)
- Application in hazardous area
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
- Increased safety type enclosure, the branch switch and main switch are operated by the operation handle on the panel.
- Glass fiber reinforced unsaturated polyester resin (GRP) enclosure.
- The wires inside the panel are connected to terminals when delivery.
- Stainless steel exposed fasteners, anti-drop structure, easy installation and maintenance
- The padlock is optional for MCB operating handle.
- Cable entries are sealed with stopping plug, the cable glands shall be supplied by users (Refer to page D/07~D/21).
- Please specify the special requirements when ordering.

2 Nomenclature

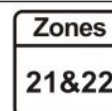
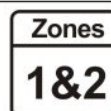
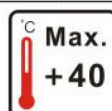
BM(D)X 52- S □ □ □ □ □ □ □ □ □ □



Note: 1. Please select the model according to the catalog, and specify all the technical parameters;
2. Please provide the electrical schematic diagram;
3. Please specify the number, specification and position of the cable entry holes, and ex-proof cable glands provided by user.

3 Technical Parameter

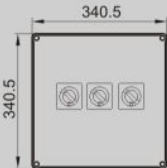
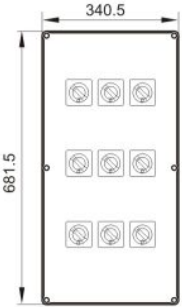
Ex marking		Gas	Ex d e IIC T6/T5/T4 Gb				
		Dust	Ex tD A21 IP66 T80℃				
Conformity to standards			GB3836.1, GB3836.2, GB3836.3, GB12476.1,GB12476.5				
Enclosure material	Rain shade	GRP (Polyester resin, glass fibre reinforced)					
		Bended steel plate surface powder coated, industrial grey with dark lines texture (RAL7035) or stainless steel 304/316, please note when needed					
Exposed fastener			Stainless steel, anti-drop structure				
Built-in component			8051 Explosion-proof circuit breaker refer to P B/38 for technical parameter				
			8051-LExplosion-proof residual current circuit breaker refer to PB/40for technical parameter				
			8054 Explosion-proof motor protection switch refer to P B/45 for technical parameter				
			8057 Explosion-proof surge protector refer to P B/48 for technical parameter				
			HL0155 Explosion-proof switch module refer to P B/111 for technical parameter				
Rated voltage			International famous brand				
Rated current			220, 230, 240, 380, 415V AC				
Rated current		Main switch	6A≤Ie≤250A				
		Branch switch	1A≤Ie≤63A				
Frequency			50Hz/60Hz				
Parameter		Main circuit current	Branch current	Main circuit current	Branch current	Main circuit current	Branch current
		80A ≤ Ie ≤ 250A	Ie ≤ 63A	Ie ≤ 80A	Ie ≤ 63A	Ie ≤ 63A	Ie ≤ 50A
	Gas temperature class	T4		T5		T6	
	Dust temperature class	T95℃		T80℃		T80℃	
Degree of protection			IP66				
Ambient temperature			-20℃ ~ +40℃				
Cable entries	Standard	G1/2 ~ G2, HLBM-□ is recommended, refer to Page D/07~D/21 for details.					
	Optional	M16X1.5 ~ M63X1.5, HLBM-□ is recommended, refer to Page D/07~D/21 for details.					
Inlet direction			Bottom in and bottom out, upon request				
Installation			Hanging type (standard)				
Method			Floor type (optional)				



4 Technical Parameter of Built-in Component

Explosion-proof component	Explosion-proof residual current circuit breaker	Explosion-proof motor protection switch	Explosion-proof surge protector	Explosion-proof switch module
Type	8051-(L)	8054	8057	HL0155
Rated working voltage	220~250V 380~415V	220~250V 380~415V	220~250V 380~415V	220~250V 380~690V
Rated current (A)	1, 2, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63	0.1~0.16, 0.16~0.25, 0.25~0.4, 0.4~0.63, 0.63~1, 1~1.6, 1.6~2.5, 2.5~4, 4~6.3, 6.3~10, 10~16, 16~20, 20~25	Maximum discharge current 10, 20, 40, 65, 80, 120kA	16(25), 32(40), 63(80), 125(180)
Other parameters	Refer to P B/36(P B/40)	Refer to P B/45	Refer to P B/48	Refer to P B/111

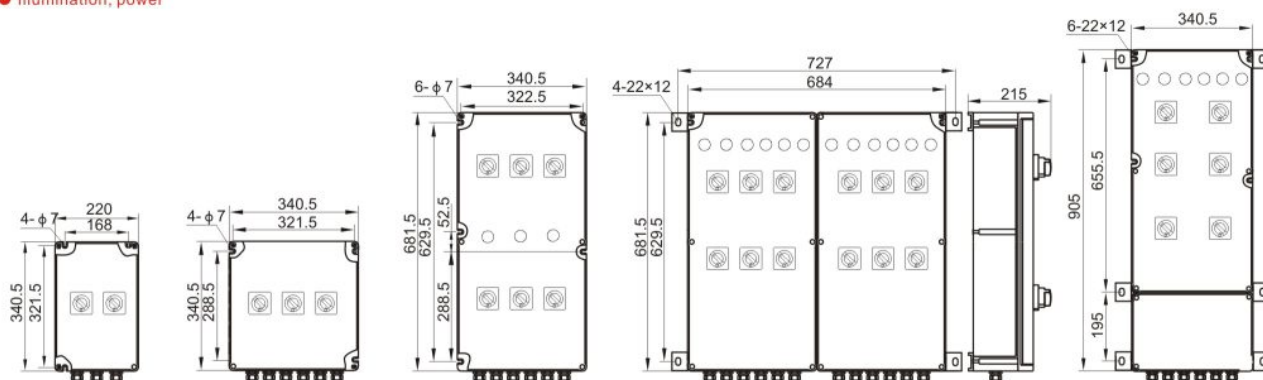
5 Built-in Component Proposal

Outline	Built-in Component					
	Size	Specification	Quantity	Size	Specification	Quantity
	Size 1	8051-1P	2 pcs	Size 6	8054	1 pcs
	Size 2	8051-2P	2 pcs		HL0153-40	1 pcs
	Size 3	8051-3P	1 pcs		HL0153-80	1 pcs
	Size 4	8051-4P	1 pcs			
	Size 4	8051-L2P	1 pcs			
	Size 1	8051-1P	4 pcs	Size 6	8054	3 pcs
	Size 2	8051-2P	4 pcs		HL0153-40	2 pcs
	Size 3	8051-3P	3 pcs		HL0153-80	1 pcs
	Size 4	8051-4P	2 pcs			
	Size 4	8051-L2P	2 pcs			
	Size 5	8051-L3P(4P)	1 pcs			
	Size 1	8051-1P	4 pcs×2~3 rows	Size 6	8054	3 pcs×2~3 rows
	Size 2	8051-2P	4 pcs×2~3 rows		HL0153-40	2 pcs×2 rows
	Size 3	8051-3P	3 pcs×2~3 rows		HL0153-80	1 pcs×2 rows
	Size 4	8051-4P	2 pcs×2~3 rows			
	Size 4	8051-L2P	2 pcs×2~3 rows			
	Size 5	8051-L3P(4P)	1 pcs×2~3 rows			

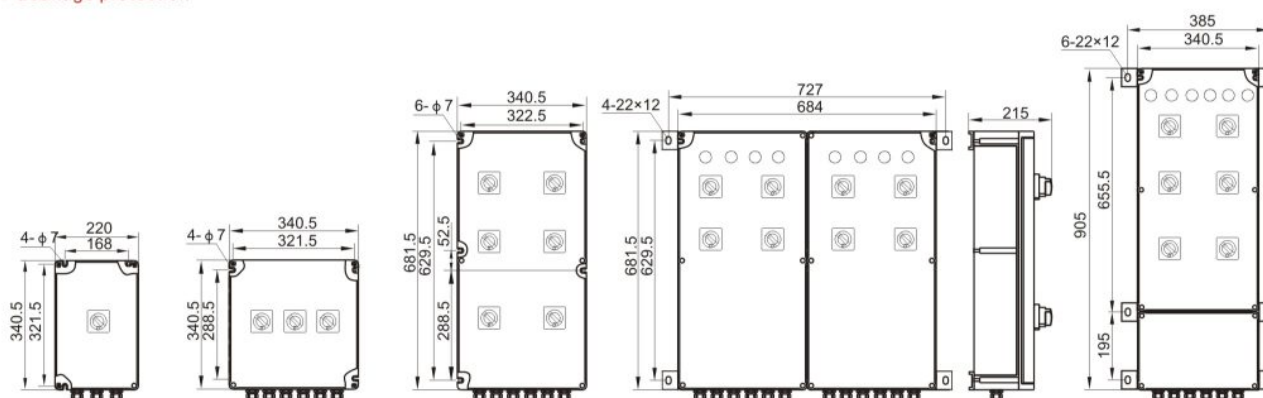
Note: The specific drawing can be designed upon request.

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

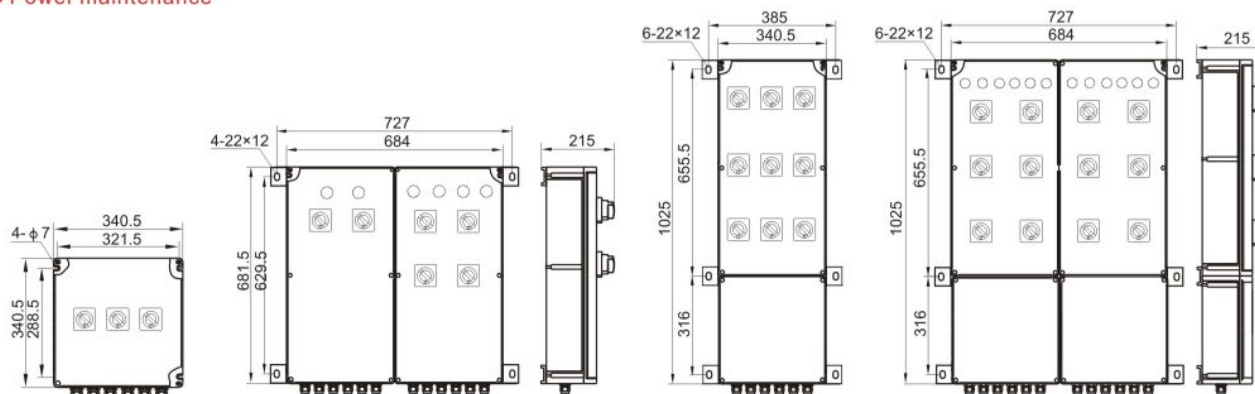
● Illumination, power



● Leakage protection



● Power maintenance



Note: The specific drawing can be designed upon request.