

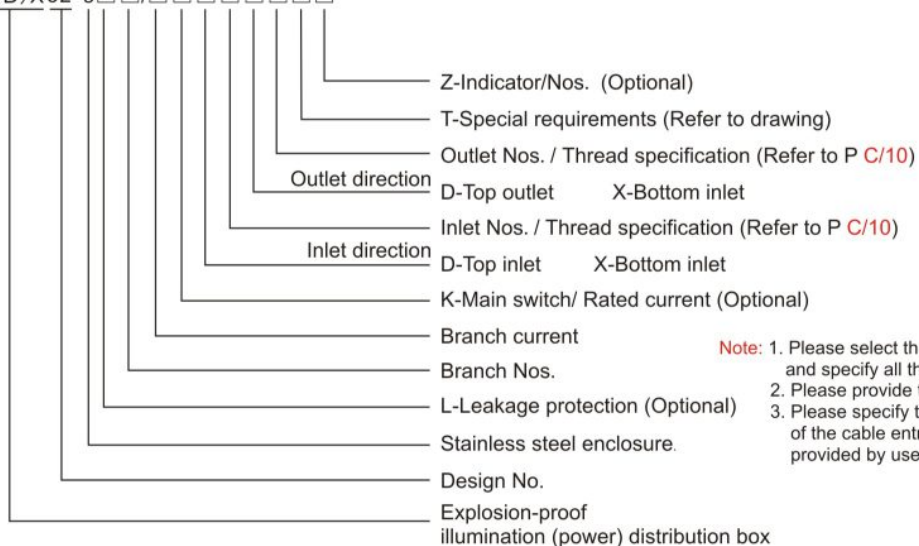
1 Application and Features

- 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.
- Stainless steel enclosure.
- The wires inside the panel are connected to terminals when delivery.
- Stainless steel exposed fasteners, anti-drop structure, convenient for 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 P D/07~D/21).
- Please specify the special requirements when ordering.



2 Nomenclature

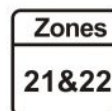
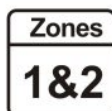
BM(D)X52-g□□□□□□□□



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.

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	See P B/36(P B/40)	See P B/45	See P B/48	See P B/111

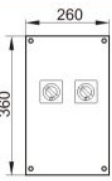
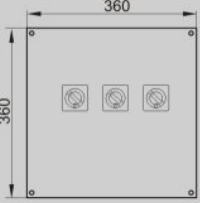
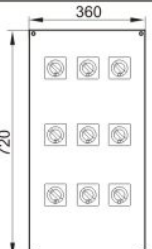


BM(D)X52-g Series Explosion-proof Illumination (Power) Distribution Box

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	Enclosure	Stainless steel					
	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 fastener		Stainless steel, anti-drop structure					
Built-in component		8051 Explosion-proof circuit breaker refer to P B/36 for technical parameter					
		8051-L Explosion-proof residual current circuit breaker refer to P B/40 for 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 Method		Hanging type (standard)					
		Floor type (optional)					

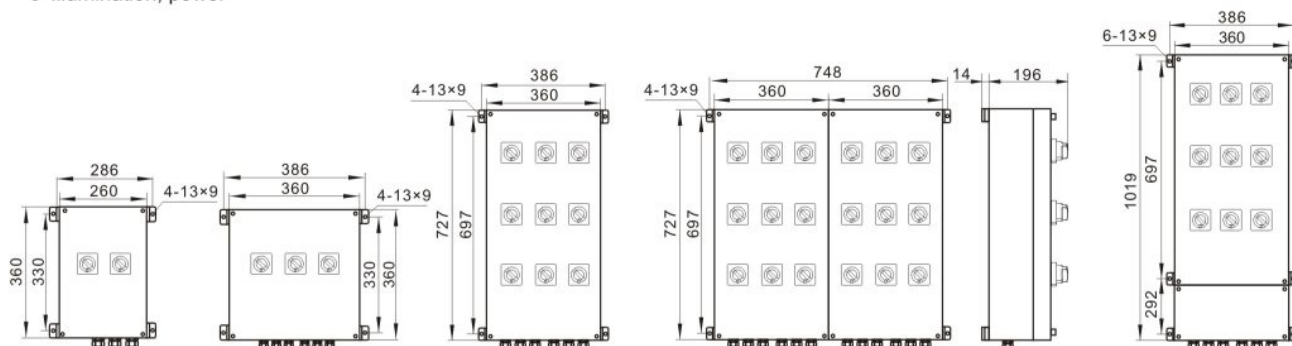
5 Built-in Component Proposal

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

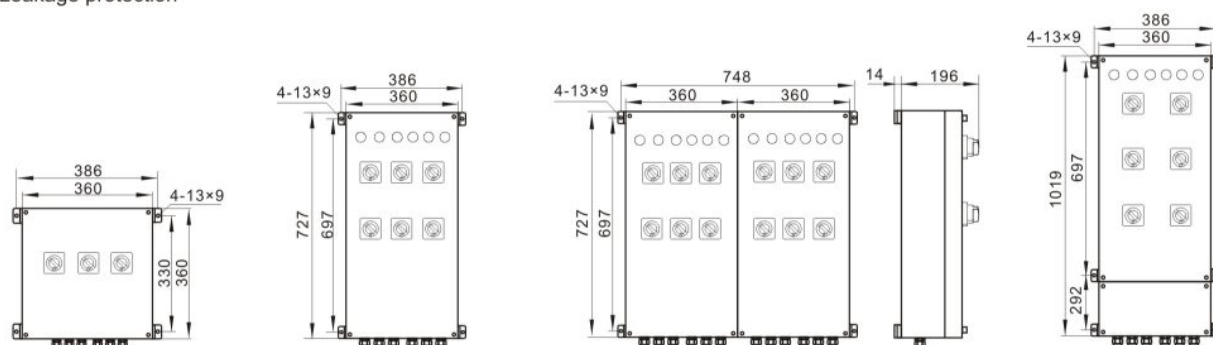
Note: The specific drawing can be designed upon request.

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

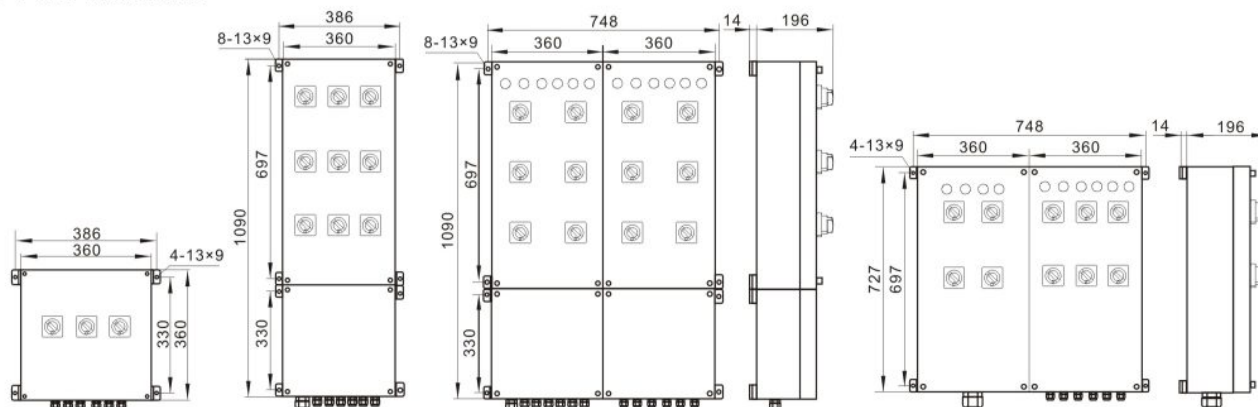
● Illumination, power



● Leakage protection



● Power maintenance



Note: The specific drawing can be designed upon request.