

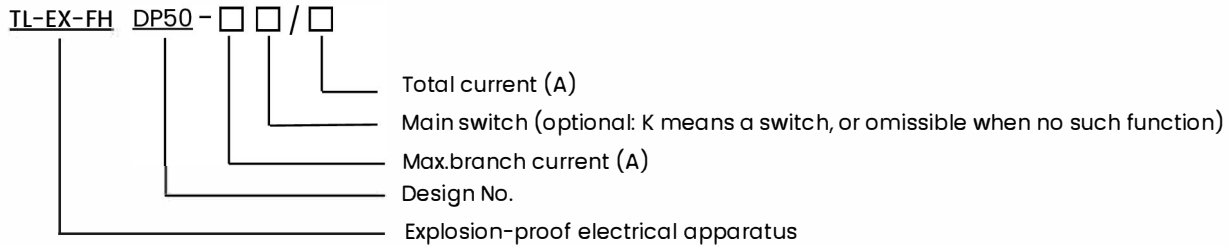
TL-EX-FH-DP50-Series Explosion-proof Electrical Apparatus

1 Application and Features

- Explosion protection
ATEX
- 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
- Please specify the special requirements when ordering.

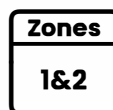
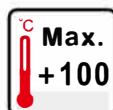


2 Nomenclature



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.



TL-EX-FH-DP50-Series Explosion-proof Electrical Apparatus

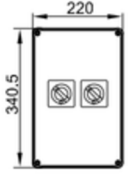
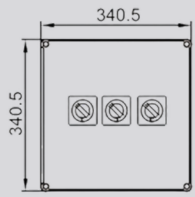
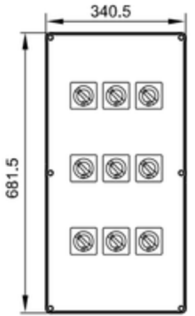
3 Technical Parameter

Ex marking	Gas	Ex db eb IIC T6...T4 Gb							
	Dust	Ex tb IIIC T80°C Db							
Conformity to standards		IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31							
Enclosure Material	Rain shade	GRP (Polyester resin, glass fibre reinforced)							
		Bended steel plate surface powder coated (black color) or stainless steel 304/316, please note when needed							
Exposed fastener		Stainless steel, anti-drop structure							
Built-in component	Explosion-proof circuit breaker								
	Explosion-proof residual current circuit breaker								
	Explosion-proof motor protection switch								
	Explosion-proof surge protector								
	Explosion-proof switch module								
		International famous brand							
Rated voltage	AC	690, 500, 480, 415, 400, 380, 240, 230, 220, 127, 110, 48, 36, 24, 12V AC							
	DC	230, 220, 127, 110, 48, 36, 24, 12V AC							
Rated current	Main switch	25A ≤ I ≤ 250A							
	Branch switch	1A ≤ I ≤ 63A							
Frequency		50Hz/60Hz							
Ambient temperature		-40°C ~ +40°C, -40°C ~ +45°C, -40°C ~ +60°C							
Degree of protection		IP66							
Cable entries	Standard	G1/2 - G2							
	Optional	M16X1.5 - M75X1.5 is recommended							
Inlet direction		Bottom in and bottom out, upon request							
Installation Method	Hanging type (standard)								
	Floor type (optional)								
Parameter		Main circuit current	Branch current	Main circuit current	Branch current	Main circuit current	Branch current	Main circuit current	Branch current
		I ≤ 250A	I ≤ 63A	I ≤ 80A	I ≤ 63A	I ≤ 63A	I ≤ 50A	I ≤ 32A	I ≤ 16A
	Gas temperature class	T4/T5		T4/T5		T4/T5		T4/T5/T6	
Dust temperature class	T80°C		T80°C		T80°C		T80°C		

TL-EX-FH-DP50-Series Explosion-proof Illumination (Power) Distribution Box

4 Technical Parameter Of Built-in Component

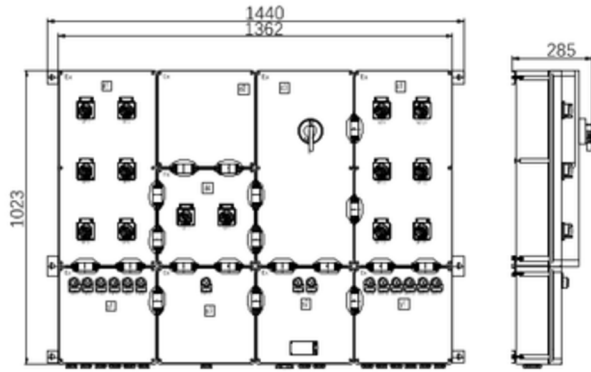
Explosion-proof component	Explosion-proof residual current circuit breaker	Explosion-proof motor protection switch	Explosion-proof surge protector	Explosion-proof switch module
Type	8051-(L)	8054	8057	HL0155
Rated working voltage	220-250V 380-415V	220-250V 380-415V	220-250V 380-415V	220-250V 380-690V
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)

Outline	Built-in Component					
	Size	Specification	Quantity	Size	Specification	Quantity
	Size 1 Size 2 Size 3 Size 4 Size 4	8051-1P 8051-2 P 8051-3 P 8051-4 P 8051-L2 P	2 pcs 2 pcs 1 pcs 1 pcs 1 pcs	Size 6	8054	1 pcs 1 pcs 1 pcs
	Size 1 Size2 Size3 Size4 Size4 Size5	8051-1P 8051-2P 8051-3P 8051-4P 8051-L2P 8051-L3P(4P)	4 pcs 4 pcs 3 pcs 2 pcs 2 pcs 1 pcs	Size 6	8054	3 pcs 2 pcs 1 pcs
	Size 1 Size2 Size3 Size4 Size4 Size5	8051-1P 8051-2 P 8051-3 P 8051-4 P 8051 L2P 8051-L3 P(4P)	4 pcs x 2-3 rows 4 pcs x 2-3rows 3 pcs x 2-3rows 2 pcs x 2-3rows 2 pcs x 2-3 rows 1 pcs x 2-3rows	Size 6	8054	3 pcs x 2-3rows 2 pcs x 2 rows 1 pcs x 2 rows

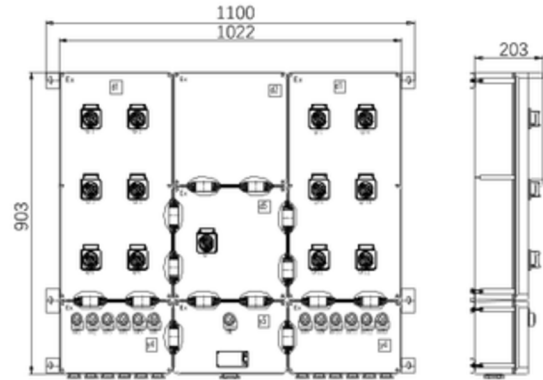
Note: The specific drawing can be designed upon request.

TL-EX-FH-DP50-Series Explosion-proof Illumination (Power) Distribution Box

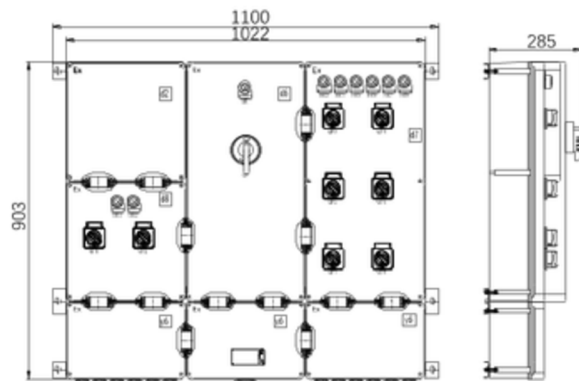
6 Outline and Installation Dimension (Proposal) (Dimensions in mm)



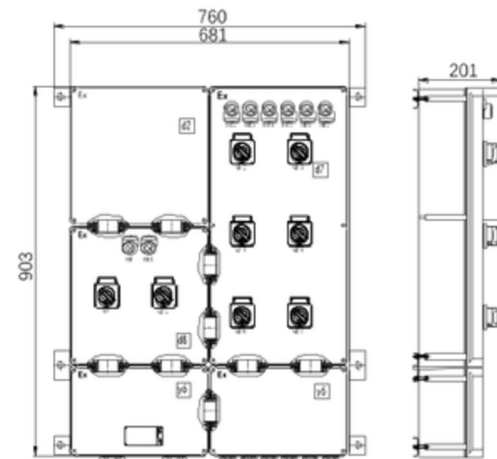
TL-EX-FH-DP50-63K/250 Explosion-proof electrical apparatus



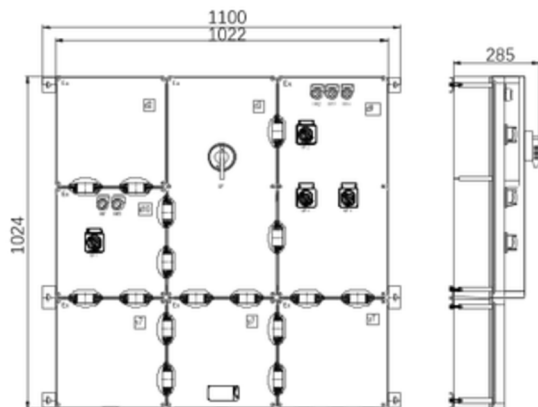
TL-EX-FH-DP50-16K/80 Explosion-proof electrical apparatus



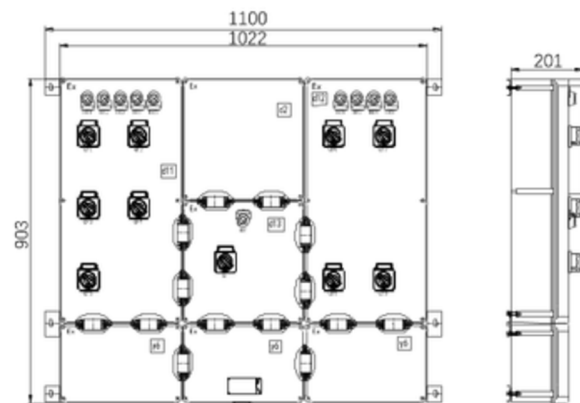
TL-EX-FH-DP50-16K/32 Explosion-proof electrical apparatus



TL-EX-FH-DP50-16K/25 Explosion-proof electrical apparatus



TL-EX-FH-DP50-63K/125 Explosion-proof electrical apparatus



TL-EX-FH-DP50-16K/32 Explosion-proof electrical apparatus

Note: The specific drawing can be designed upon request.