

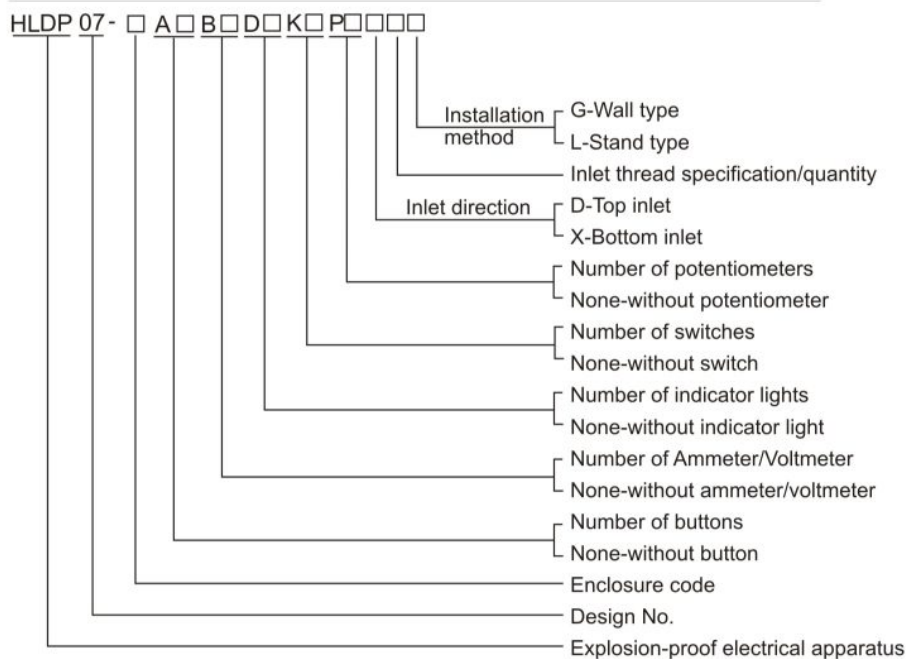
HLDP07-Series Explosion-proof Electrical Apparatus(Control circuit)

1 Application and Features

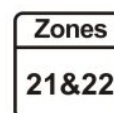
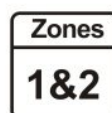
- Explosion protection
 - IECEx (IEC)
 - ATEX (CENELEC, EN)
 - China Ex(GB)
- Application in hazardous area
 - Zone 1 and Zone 2,
 - Zone 21 and Zone 22
- Three types of explosion protection: Ex db IIB, Ex db IIB+H2, Ex tb IIC
- The enclosure can be equipped with transformers, buttons, indicator lights, switches, potentiometers, voltmeters, ammeters, tachometers, etc.
- The emergency stop button can be equipped with an anti-misoperation mechanism and a padlock by requirements.
- The enclosure with hinges and handle, convenient for installation and maintenance. Protect the flame-proof surface when operating.
- The enclosures can be combined and installed to meet the various requirements of power distribution systems.
- Can be customized according to user requirements, meet the certificate use restrictions.
- The number of elements and the maximum number of holes size needs to meet the requirements of power dissipation and mechanical strength of the housing.
- The circuit breaker using metal handle with frozen-resistant and can be equipped with a padlock.
- Please specify the special requirements when ordering.



2 Nomenclature



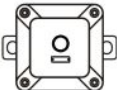
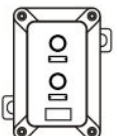
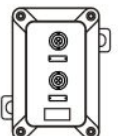
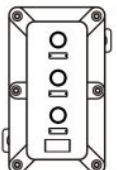
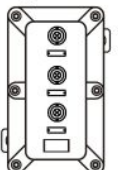
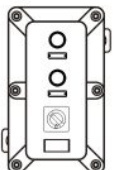
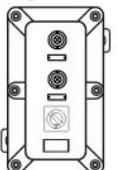
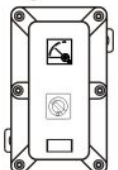
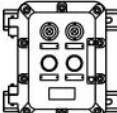
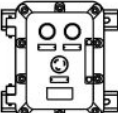
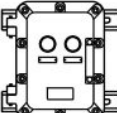
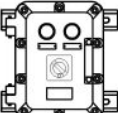
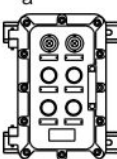
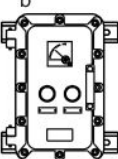
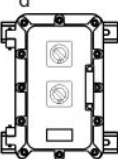
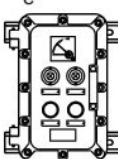
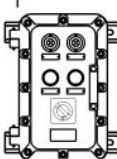
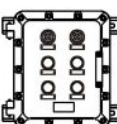
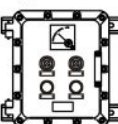
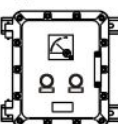
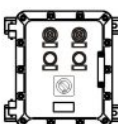
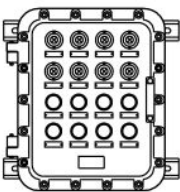
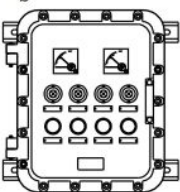
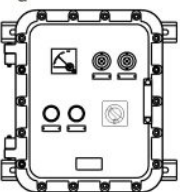
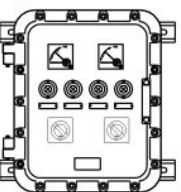
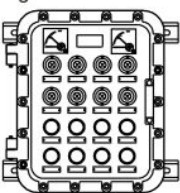
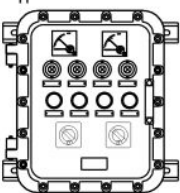
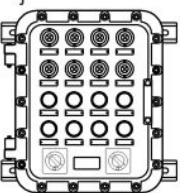
- Note :**
1. Optional components:
 HL0105 explosion-proof switch button(1NO&1NC as default), refer to P B/71~76
 HL0106 explosion-proof indicator, refer to P B/77
 control switch
 HL0109 explosion-proof ammeter, refer to P B/120
 2. Example: HLDP07-A2B1K1
 Components: 2 buttons, 1 ammeter, 1 control switch
 Details: 1 start button (HL0105-A1I01, 1NO+1NC);
 1 stop button (HL0105-A1I21, 1NO+1NC);
 1 ammeter (50/5);
 1 control switch (stop-run-start);
 3. The rain shade is customizable by requirements.



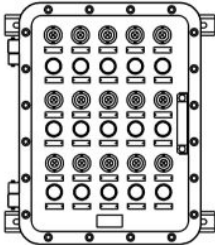
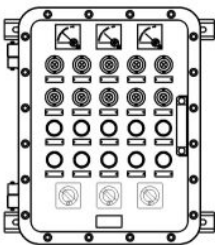
3 Technical Parameter

Ex marking	Gas	 II2 G Ex db IIB T6 Gb	Ex db IIB T6 Gb	Ex d IIB T6 Gb	
		 II2 G Ex db[ia/ib] IIB T6 Gb	Ex db[ia/ib] IIB T6 Gb	Ex d[ia/ib] IIB T6 Gb	
		 II2 G Ex db IIB+H2 T6 Gb	Ex db IIB+H2 T6 Gb	Ex d IIB+H2 T6 Gb	
		 II2 G Ex db[ia/ib] IIB+H2 T6 Gb	Ex db[ia/ib] IIB+H2 T6 Gb	Ex d[ia/ib] IIB+H2 T6 Gb	
	Dust	 II2 D Ex tb IIIC T80°C Db	Ex tb IIIC T80°C Db	Ex tD A21 IP66 IIIC T80°C	
Conformity to standards		IEC 60079-0, IEC 60079-1, IEC 60079-11, IEC 60079-31 EN 60079-0, EN 60079-1, EN 60079-11, EN 60079-31 GB3836.1,GB3836.2,GB12476.1,GB12476.5			
Enclosure materials	Enclosure	Aluminum alloy enclosure, powder coated, Industrial grey with dark lines texture (RAL7035)			
	Transparent part	Tempered glass, resistant to 4J impact			
	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		HL0105 explosion-proof switch button, refer to P B/71~76			
		HL0106 explosion-proof indicator, refer to P B/77			
		HL0107 explosion-proof indicator, refer to P B/78			
		Control switch, refer to P B/82~89			
		Specifications of potentiometer according to requirements			
		The voltmeter, ammeter and tachometer are 48/72 type, specifications according to requirements			
Rated voltage		Maximum 415V AC			
Rated current		Maximum 200A			
Frequency		50Hz/60Hz			
Maximum dissipation power	Enclosure size	Temperature class Type	Ta:+40℃ T6/T80℃	Ta:+60℃ T6/T80℃	The weight of Empty enclosure
		01.1	≤10A	≤16A	
	105X105X90	01.1	≤10A	≤16A	1. 1kg
	105X160X90	01.2	≤10A	≤16A	1. 5kg
	116X202X90	01.3	≤10A	≤16A	2. 6kg
	282X210X170	03	45W	45W	9.0kg
	350X210X170	07	45W	45W	11.5kg
	350X300X235	08	45W	45W	16.6kg
	433X350X280	11	100W	100W	26kg
	563X433X280	15	132W	132W	48kg
720X563X280	19	201W	201W	85kg	
720X563X350	21	210W	210W	95kg	
Degree of protection		IP66			
Ambient temperature		-20℃~-+60℃, -40℃~-+60℃			
Cable entry		M□X1.5(default, exact size according to requirement) , NPT thread (optional), HLBM-□ for recommended, see page D/11~D/20 for details			
Inlet direction		Bottom in and bottom out			
Installation method		Wall type (default)			
		Stand type (optional)			

4 Selection Table

Enclosure code	Arrangement of components					
01.1						
01.2						
01.3						
03						
07						
08						
11						
						

4 Selection Table

Enclosure code	Arrangement of components	
15	a	b
		
19/21	a	b
	