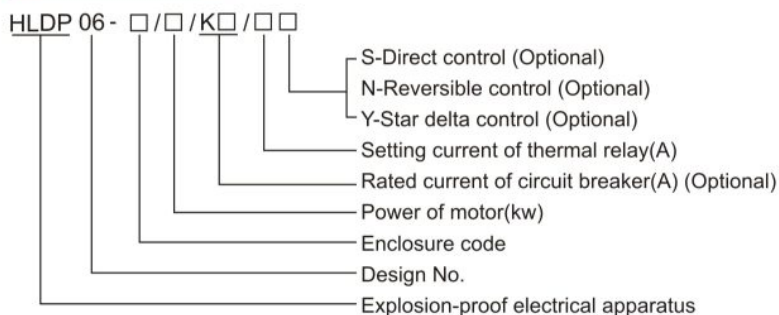


1 Application and Features

- 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 IIIC).
- The enclosure can be equipped with miniature circuit breakers (MCB) or molded case circuit breakers (MCCB), contactors, thermal relays, control buttons, indicator lights, push switches, potentiometers, voltmeters, ammeters, tachometers, terminals, etc.
- It's able to control the start, stop, forward and reverse rotation of the motor, and the comprehensive protection of the motor, able to multi-places control.
- The enclosure with hinges and handle, convenient for installation and maintenance. Protect the flame-proof surface when operating.
- The circuit breaker using metal handle with frozen-resistant and can be equipped with a padlock.
- 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.
- Please specify the special requirements when ordering.

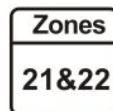
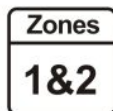


2 Nomenclature



Note:

1. Please select the model according to the "Nomenclature" above, 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. The rain shade is customizable by requirements.

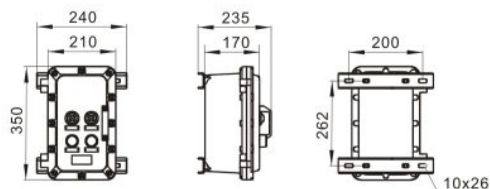


HLDP06- Series Explosion-proof Electrical Apparatus(magnetic starter)

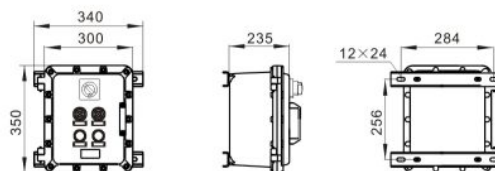
3 Technical Parameter

Ex marking	Gas	Ex II2 G Ex db IIB T6/T5/T4 Gb		Ex db IIB T6/T5/T4 Gb		Ex d IIB T6/T5/T4 Gb									
		Ex li2 G Ex db IIB+H2 T6/T5/T4 Gb		Ex db IIB+H2 T6/T5/T4 Gb		Ex d IIB+H2 T6/T5/T4 Gb									
	Dust	Ex II2 D Ex tb IIIC T80/T95/T130℃ Db		Ex tb IIIC T80/T95/T130℃ Db		Ex tD A21 IP66 T80/T95/T130℃									
Conformity to standards		IEC 60079-0,IEC 60079-1,IEC 60079-31 EN 60079-0, EN 60079-1, EN 60079-31 GB3836.1,GB3836.2,GB12476.1,GB12476.5													
Enclosure material	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	Power circuit breaker	Miniature circuit breaker (MCB) or molded case circuit breaker (MCCB) and leakage circuit breaker													
	Branch switch	Miniature circuit breaker (MCB) or molded case circuit breaker (MCCB) and leakage circuit breaker													
	Terminal block	World famous brand													
	Indicator	Red, green, yellow, blue, white													
	Button	Red, green, yellow, blue, white													
	Control switch	LW26-D, LW26-F													
	AC contactor	World famous brand													
	Thermal relay	World famous brand													
Rated voltage		Maximum 690V AC													
Rated current		Maximum 200A													
Frequency		50Hz/60Hz													
Maximum dissipation power	Enclosure size	Type	Ta:+40℃						Ta:+60℃						
			T6/T80℃		T5/T95℃		T4/T130℃		T6/T80℃		T5/T95℃		The weight of Empty enclosure		
		Power	Current	Power	Current	Power	Current	Power	Current	Power	Current				
		282×210×170	03	45W	--	110W	--	110W	--	45W	--	72W		--	9.0kg
		350×210×170	07	45W	≤40A	80W	≤50A	139W	--	45W	≤40A	80W		≤50A	11.5kg
		350×300×235	08	45W	≤40A	80W	≤50A	139W	--	45W	≤40A	80W		≤50A	16.6kg
		433×350×280	11	100W	≤95A	288W	≤120A	288W	--	100W	≤95A	162W		≤120A	26kg
		563×433×280	15	130W	≤150A	365W	≤200A	365W	--	130W	≤150A	225W		≤200A	48kg
		720×563×280	19	200W	≤200A	448W	≤300A	448W	≤300A	200W	≤200A	380W		≤300A	85kg
720×563×350	21	210W	≤200A	690W	≤300A	690W	≤300A	210W	≤200A	400W	≤300A	95kg			
Degree of protection		IP66													
Ambient temperature		-20℃~+40/60℃, -40℃~+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, upon request													
Installation method		Wall type (default)													
		Stand type (optional)													

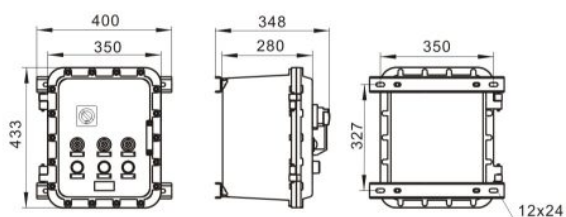
4 Outline and Installation Dimension (Dimensions in mm)



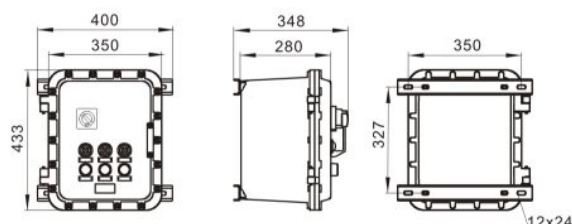
HLDP06-07/5.5-8A



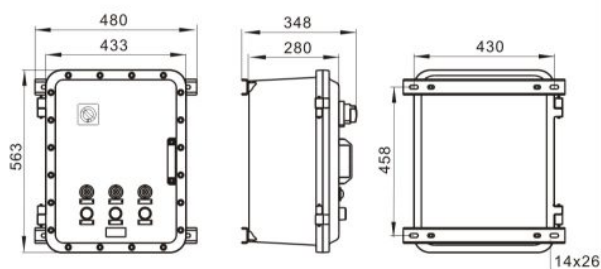
HLDP06-08/17-25A



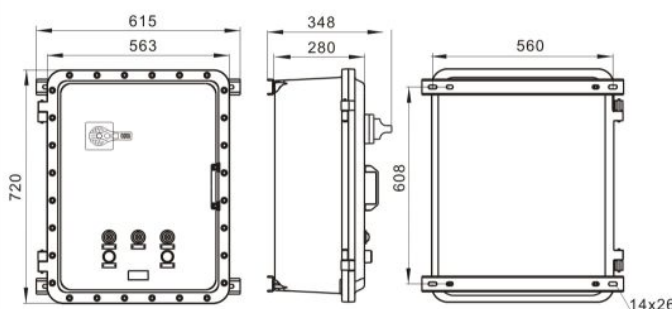
HLDP06-11/K63/37-50A



HLDP06-15/K63/37-50A



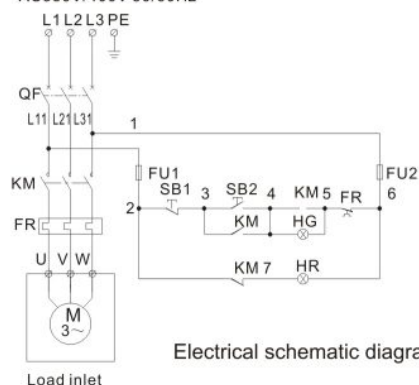
HLDP06-19/K250/84-135A



HLDP06-21/84-135A

5 Electrical Schematic Diagram

Power inlet
AC380V/400V 50/60Hz



Electrical schematic diagram of direct start

Description of electrical components code

QF: Circuit breaker

KM: AC contactor

FR: Thermal relay

FU1, FU2: Fuse

SB1: Stop button

SB2: Start button

HR: Stop indicator

HG: Run indicator