

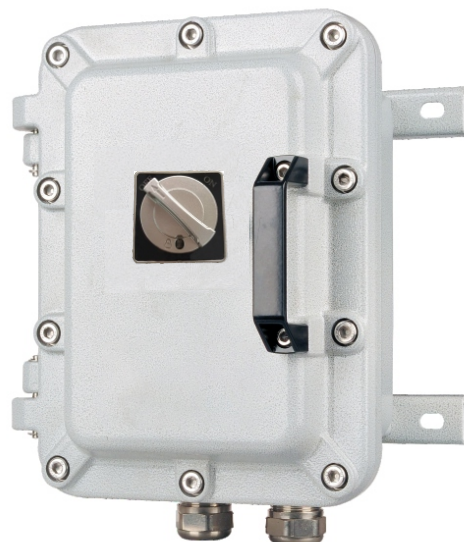
Explosion-proof Electrical Apparatus(Circuit Breaker)

KDP05 - Series

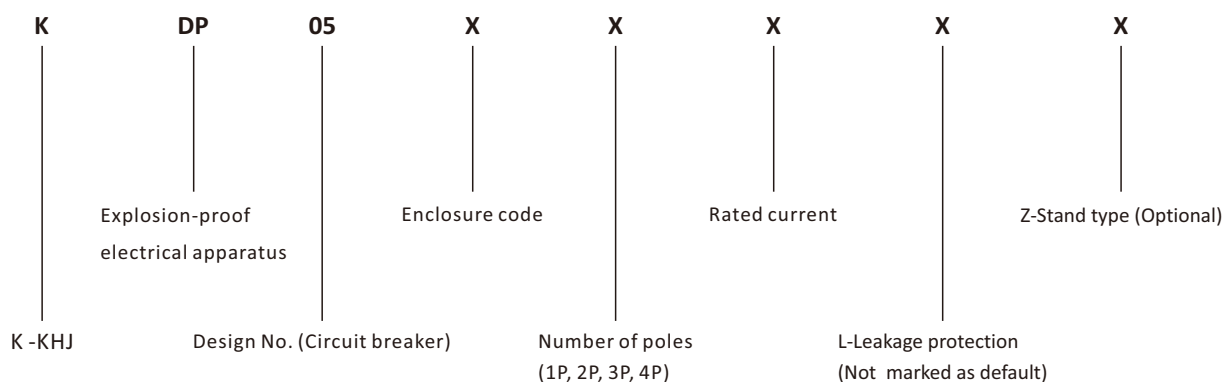
-  II 2 G Ex db IIB T6/T5/T4 Gb
-  II 2 G Ex db IIB+H₂ T6/T5/T4 Gb
-  II 2 D Ex tb IIIC T80/T95/T130°C Db

1. Application and Features

- Explosion proof certificates
 - ATEX : TPS 22 ATEX 114950 0003 X
 - IECEX : IECEX TPS 22.0025X
- 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), leakage circuit breakers.
- leakage protection accessories, shunt tripping device, and other protection devices are optional.
- The enclosure with hinges and handle, convenient for installation and maintenance.
Protect the flame-proof surface when operating.
- The circuit breaker using metal handle and can be equipped with a padlock.



2. Product definition



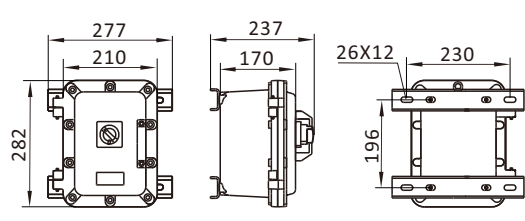
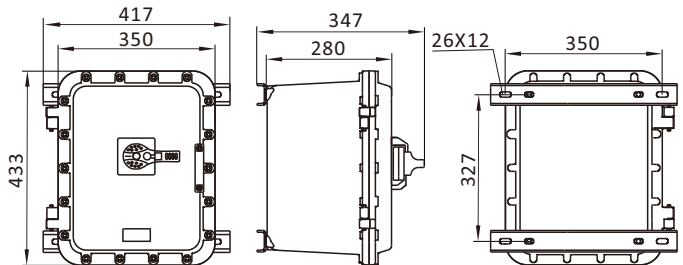
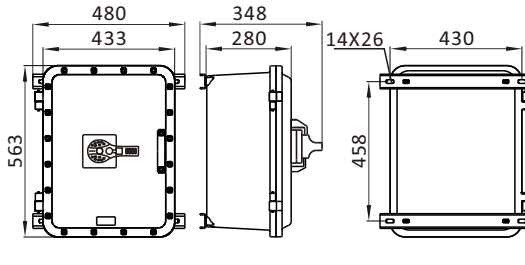
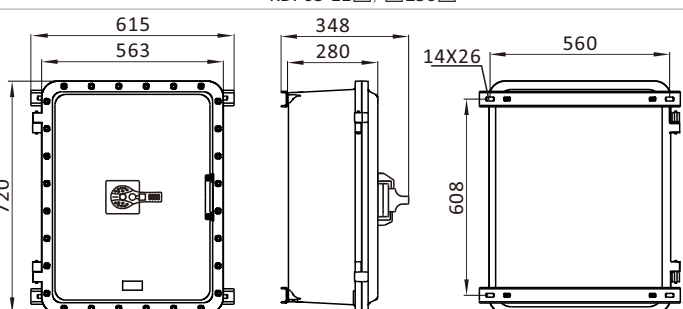
Note:

1. Please select the model according to the "Product definition" above, and specify all the technical parameters.
2. Please specify the number, specification and position of the cable entry holes, and cable entry device provided by user.
3. The rain shade is customizable by requirements.

3. Technical Parameter

Ex marking	Gas	 II 2 G Ex db IIB T6/T5/T4 Gb		Ex db IIB T6/T5/T4 Gb											
		 II 2 G Ex db IIB+H2 T6/T5/T4 Gb		Ex db IIB+H2 T6/T5/T4 Gb											
	Dust	 II 2 D Ex tb IIIC T80/T95/T130°C Db		Ex tb IIIC T80/T95/T130°C Db											
Exectutive standards		IEC 60079-0, IEC 60079-1, IEC 60079-31 EN 60079-0, EN 60079-1, EN 60079-31													
Enclosure material	Enclosure	Aluminum alloy enclosure, powder coated, Industrial grey with dark lines texture (RAL7035)													
	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	Circuit breaker	Miniature circuit breaker (MCB) or molded case circuit breaker (MCCB) and leakage circuit breaker													
	Indicator light	Red, green, yellow, blue, white, according to requirement add more													
Rated voltage		Maximum 1000V AC, 1500V DC													
Rated current		Maximum 630A													
Frequency		50Hz/60Hz													
Maximum dissipation power	Enclosure size	Type	Ta: +40°C						Ta: +60°C						
			T6/T80°C		T5/T95°C		T4/T130°C		T6/T80°C		T5/T95°C		The weight of Empty enclosure		
		Power	Current	Power	Current	Power	Current	Power	Current	Power	Current				
		282X210X170	03	45W	≤63A	110W	--	110W	--	45W	≤63A	72W		--	9.0kg
		350X210X170	07	45W	63A~100A	80W	--	139W	--	45W	63A~100A	80W		--	11.5kg
		350X300X235	08	45W	63A~100A	80W	--	139W	--	45W	63A~100A	80W		--	16.6kg
		433X350X280	11	100W	100A~250A	288W	--	288W	--	100W	100A~250A	162W		--	26kg
		563X433X280	15	130W	250A~400A	365W	--	365W	--	130W	250A~400A	225W		--	48kg
		720X563X280	19	200W	--	448W	400A~630A	448W	--	200W	--	380W		--	85kg
720X563X350	21	210W	--	690W	--	690W	400A~630A	210W	--	400W	--	95kg			
Degree of protection		IP66													
Ambient temperature		-20°C~+40/60°C, -40°C~+40/60°C													
Cable entry		M16×1.5-M63×1.5(default, exact size according to requirement) , NPT thread (optional), KBM Series Explosion-proof Cable Glands is recommended.													
Inlet direction		Bottom in and bottom out													
Installation method		Wall type (Standard)													
		Stand type (Optional)													

4. Selection Table

 KDP05-03/□63□	 KDP05-11□/□160□ KDP05-11□/□250□
 KDP05-15□/□400□	 KDP05-19□/□630□