

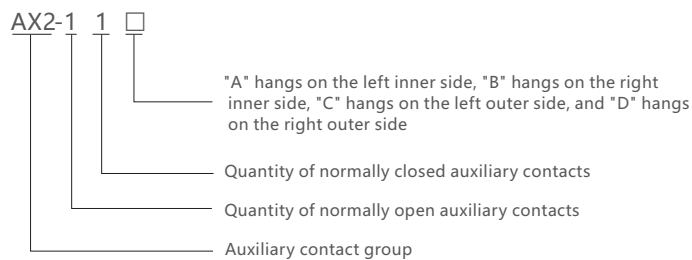
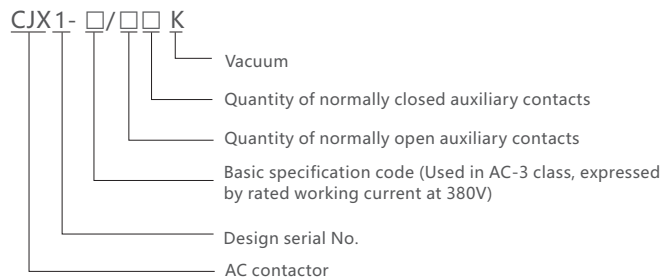
CJX1-K series AC vacuum contactors

1 General

CJX1-K series AC vacuum contactors (hereinafter referred to as contactors) are mainly suitable to be used in the circuit with AC 50Hz~60Hz, rated working voltage up to 1000V, and rated working current up to 820A, for remote connection and disconnection of circuits. The contactors can be used in combination with appropriate thermal overload relay or electronic protector and other protective devices to form a vacuum electromagnetic starter, especially suitable for forming an explosion-proof vacuum electromagnetic starter. The contactors are widely applied in mines, smelting, petroleum extraction, storage, chemical industry, military industry, textile, construction and other flammable, explosive or harsh environment.

Compliance standards: IEC 60947-4-1.

2 Type designation



3 Normal working conditions and installation conditions

3.1 Ambient temperature: -25°C~+60°C, with average value not exceeding +35°C within 24 hours.

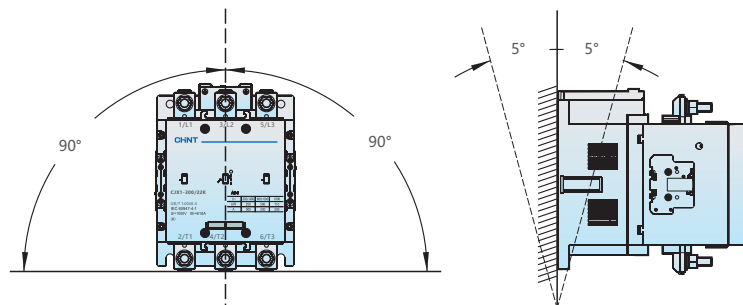
3.2 Atmospheric conditions: When the highest temperature is +60°C, the relative humidity of the air does not exceed 50%, and the higher humidity is allowed at lower temperatures. Special measures should be taken in case of occasional condensation due to variations in temperature.

3.3 Pollution degree: 3.

3.4 Installation category: III.

3.5 Installation conditions: Vertical installation, the inclination of installation surface plane is not greater than ±5°.

3.6 Impact vibration: The product should be installed and used in a place free of significant shaking, impact and vibration.





4 Product advantages



Wide applicable power supply

AC and DC coils are interchangeable.
For AC, 50Hz~60Hz are interchangeable.



Energy- saving

The electromagnetic system adopts dual-coil energy-saving technology, which saves energy by about 85% compared with traditional contactors.



No electromagnetic noise

The conversion module of the electromagnetic system has the function of surge suppression, but also converts AC power to DC power in operation, thereby avoiding noise caused by electromagnetic oscillation.



Safety and environmental protection

Vacuum arc extinguishing technology is used, no arc spraying.



Easy maintenance

CJX1-225~500/22K coil block adopts the drawer-type structure, which can be directly drawn out for replacement.

5 Main parameters and technical performance

Rated insulation voltage (Ui):1000V

Contactor type		CJX1-225/22K	CJX1-265/22K	CJX1-300/22K
Appearance				
Conventional free air thermal current Ith (A)		330	330	330
AC-3 Rated working current Ie (A)	400V/380V	225	265	300
	690V/660V			
	1000V			
The maximum power (kW) of controllable three-phase squirrel-cage motor under AC-3 class	400V/380V	110	132	160
	690V/660V	200	250	250
	1000V	315	355	400
AC-4 Rated operational current Ie (A)	400V/380V	110	132	160
The maximum power (kW) of controllable three-phase squirrel cage motor under AC-4 class	400V/380V	110	132	160
Mechanical life	Operating frequency (times/h)	1200	1200	1200
	Number of times×10 ⁴	700	700	700
AC-3 electrical life	Operating frequency (times/h)	600	600	600
	Number of times×10 ⁴	200	200	200
Coil power (VA)	Start	95	95	95
	Operation	7.4	7.4	7.4
Basic parameters of auxiliary contact		AC-15: 380V 0.95A, DC-13: 220V 0.15A, Ui:660V, Ith:10A		
Quantity of auxiliary contact		2 NO and 2 NC		
Coil voltage	AC 50~60Hz	110V、220V、380V		
	DC			
Product net weight (kg)		7.369	7.369	7.369

6 Overall and installation dimensions

Figure1 CJX1-225/22K, CJX1-265/22K, CJX1-300/22K

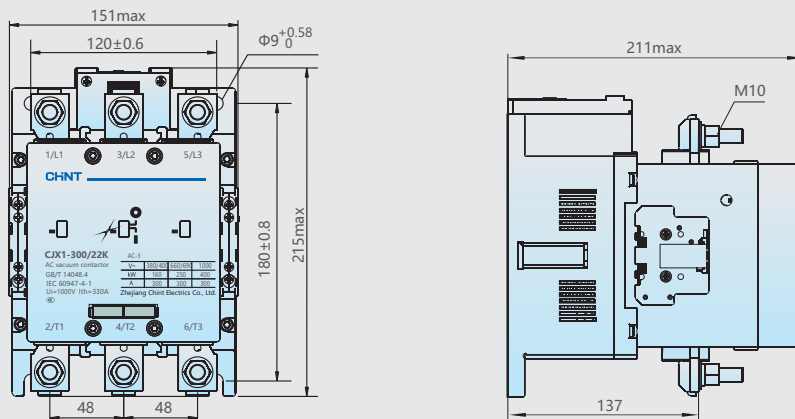


Figure2 CJX1-400/22K, CJX1-500/22K

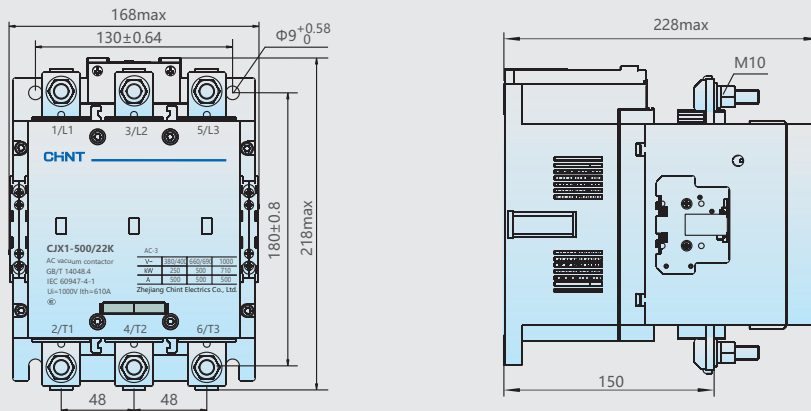
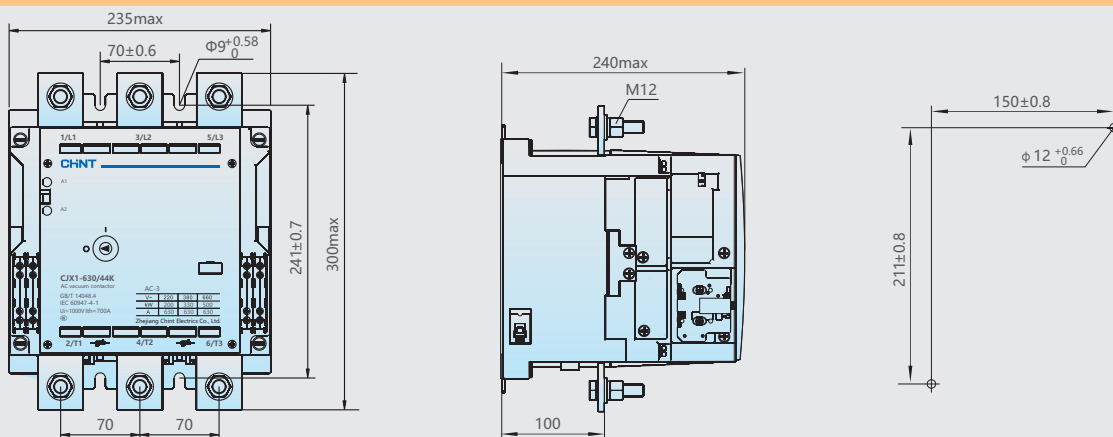







Figure3 CJX1-630/44K, CJX1-820/44K



7 Type selection and ordering data

Product type		Control voltage AC 50 ~ 60Hz/DC (V)	Order code	Recommended matching bimetallic overload relay	
				Product type	Adjusting scope of setting current (A)
	CJX1-225/22K	110	275702	 NR2-200	NR2-200 125-200A
		220	275703		NR2-630 160-250A
		380	275704		
	CJX1-265/22K	110	275705		NR2-630 160-250A
		220	275706		NR2-630 200-315A
		380	275707		
	CJX1-300/22K	110	275708		NR2-630 200-315A
		220	275709		NR2-630 250-400A
		380	275710		
	CJX1-400/22K	110	275711	 NR2-630	NR2-630 250-400A
		220	275712		NR2-630 315-500A
		380	275713		
	CJX1-500/22K	110	275714		NR2-630 315-500A
		220	275715		NR2-630 400-630A
		380	275716		
	CJX1-630/44K	110	275696	NR2-630	NR2-630 400-630A
		220	275697		
		380	275698		
	CJX1-820/44K	110	275699		NR2-630 400-630A
		220	275700		
		380	275701		

Ordering instruction: When ordering contactor, the complete product type, name, voltage and quantity of coil must be indicated.

B

Order example: 10 sets of CJX1-225/22K AC vacuum contactor coil voltage 220V 50Hz