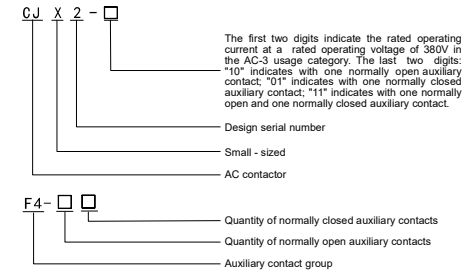


I. Introduction

The CJX2 series AC contactor (hereinafter referred to as the contactor) is mainly used in circuits with an AC frequency of 50Hz, a rated operating voltage of up to 660V. In the AC-3 usage category, when the rated operating voltage is 380V, and the rated operating current is up to 95A. It is used for remotely connecting and disconnecting circuits, and can form an electromagnetic starter with an appropriate thermal relay to protect circuits that may have operating overloads. The contactor is suitable for frequently starting and controlling AC motors.

II. Model and Its Meanings



III. Normal Working and Installation Conditions

- 1 Ambient Temperature: -5°C to +40°C, with a 24-hour average not exceeding +35°C.
- 2 Altitude: Not exceeding 2000 meters.
- 3 Atmospheric Conditions: At ±40°C, the relative humidity is ≤ 50%. Higher humidity (e.g. 90% at 20°C) is permissible at lower temperatures. Special measures must be implemented to address condensation from temperature variations.

1

- 4 The pollution degree is 3.
- 5 The installation category is III.
- 6 Installation conditions: The inclination between the installation surface and the vertical plane shall not be greater than ±5°.
- 7 Shock and vibration: The product shall be installed and used in a place without significant shaking, shock, or vibration.

IV. Structural Features

- 1 The contactor has the characteristics of small volume, light weight, low power consumption, long service life, safety, and reliability.
- 2 It can adopt a modular installation method to add auxiliary contact groups, air delay heads, thermal relays, and other accessories to form a variety of derivative series products.
- 3 Besides the screw - fixing installation, the contactor CJX2 - 09 ~32 can be installed on a TH35 standard guide rail. CJX2 - 40 ~ 95 can be installed on TH35 and TH75 standard guide rails.
- 4 The contactor body has one pair of normally open or one pair of normally closed auxiliary contacts for specifications of 32A and below. For specifications of 40A and above, there is one pair of normally open and one pair of normally closed auxiliary contacts. Additionally, up to 4 pairs of F4 series auxiliary contact groups can be added. The combination is shown in Table 1.

Table 1

Auxiliary Contact Group Model	Contact Quantity		Schematic Diagram
	Normally Open (NO) Quantity	Normally Closed (NC) Quantity	
F4-20	2	0	
F4-11	1	1	
F4-02	0	2	
F4-40	4	0	
F4-31	3	1	
F4-22	2	2	
F4-13	1	3	
F4-04	0	4	

2

V. Technical Parameters

- 1 The main technical performance indicators of the contactor are shown in Table 2.
- 2 The rated control power supply voltage U_s of the contactor is: Alternating current (50Hz): 24V, 36V, 48V, 110V, 220V, 380V
- 3 Operating Characteristics: Pull-in voltage: 85%-110% U_s ; Release voltage: 20%-75% U_s .
- 4 The basic parameters of auxiliary contacts are shown in Table 3. (Note: The original text mentions "Table 3" but the table shown is labeled "Table 2". It is recommended to check and correct the table number consistency. The following translation is based on the original text content.)

Table 2

Parameter	Model	Model									
		CJX2-09	CJX2-12	CJX2-18	CJX2-25	CJX2-32	CJX2-40	CJX2-50	CJX2-65	CJX2-80	CJX2-95
Rated operating current (A)	AC-3	9	12	18	25	32	40	50	65	80	95
Rated insulation voltage (UI) (V)		660									
Conventional heating current (Ith) (A)		20	20	20	40	50	60	60	80	95	95
Maximum current of AC - 3 (A) (Controllable three - phase motor power (kW))		2.2	3	4	5.5	7.5	11	15	18.5	22	25
Switching frequency (times/h)	AC-3	600									
Mechanical life (10 ⁴ times)		1000		800				600			
Pole Resistance (Ω)		≤2.5mΩ									
Coil	Rated control voltage (V)	24 36 48 110 220 380									
	Pull-in voltage (V)	85% U_s ~110% U_s									
	Release voltage (V)	20% U_s ~75% U_s									
	Holding power (VA)	≤9	≤9.5	≤14		≤19		≤61			
Matching Fuse Model and Current		RT28-32 25		RT36-00 50		RT36-00 80		RT36-00 125			
Accessible Wire Cross-sectional Area (mm ²)	Number of Wires	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2
	Wire Capacity	1-4	1.5-6	2.5-10	5-24	5-24	5-24	5-24	5-24	5-24	5-24

3

Table 3

Use Category	Rated Working Voltage (V)	Rated Working Current (A)	Control Capacity	
			Close	Open
AC-15	380	0.95	360VA	360VA
DC-13	220	0.15	33W	33W

Rated Insulation Voltage (UI): 690V, Conventional Heating Current (Ith): 5A

VI. Outline and Installation Dimensions

The outline and installation dimensions of the contactor are shown in Figure 1, Figure 2, and Table 4 respectively.

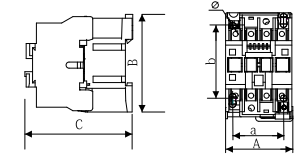


Figure 1: Outline and Installation Dimensions of CJX2-09~32 AC Contactor

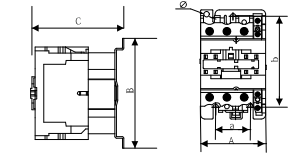


Figure 2: Outline and Installation Dimensions of CJX2-40~95 AC Contactor

4

Table 4

Contactor Model	Outline Dimensions			Installation Dimensions			Remarks
	Amax	Bmax	Cmax	a	b	∅	
CJX2-09~12	47	76	82	34/35	50/60	4.5	Besides being installed with screws, it can also be installed on TH35 mounting rails.
CJX2-18	47	76	87	34/35	50/60	4.5	
CJX2-25	57	86	95	40	50/60	4.5	
CJX2-32	57	86	100	40	50/60	4.5	Besides being installed with screws, it can also be installed on TH75 mounting rails.
CJX2-40~65	77	129	116	40	105	6.5	
CJX2-80~95	87	129	127	40	105	6.5	

VII. Installation, Use, and Maintenance

- 1 Before installation, check whether the product is in good condition and free from damage.
- 2 During installation, install it in accordance with the specified installation conditions. Terminals A1 and A2 of the contactor coil should face upward.
- 3 For products with a metal base plate, ensure reliable grounding during installation and use to prevent electric shock accidents.
- 4 Terminals A1 and A2 are coil connection terminals; 1/L1, 3/L2, 5/L3 are main circuit input terminals; 2/T1, 4/T2, 6/T3 are main circuit output terminals; 21 and 22 are normally closed auxiliary input terminals; 13 and 14 are normally open auxiliary connection terminals.
- 5 When installing, the tightening torque of terminal screws is as follows: CJX2 - 09 ~ 18: 0.8N·m; CJX2 - 25 ~ 32: 1.2N·m; CJX2 - 40 ~ 65: 3.5N·m; CJX2 - 80 ~ 95: 4.0N·m.
- 6 After installation and before use, perform no - load operation several times. Put it into operation only after confirming there are no errors.

5

- 7 When the contact wear of the contactor reaches 2/3 due to long - term use, it must be replaced in a timely manner to avoid affecting use.
- 8 It is necessary to regularly inspect the operation of the contactor, including the tightness of wiring, the degree of contact wear. Clean the pole faces of the iron core (without causing damage). If any abnormalities are found, timely repair or replacement must be carried out.

VIII. Transportation and Storage

- 1 During transportation and storage, handle with care, do not invert. The stacking height shall not exceed five layers.
- 2 The storage site shall be dry, ventilated, free of dust and corrosive gases. The product shall not be exposed to rain and snow.

IX. Ordering Instructions

- When placing an order, the following must be specified:
- 1 The complete name, model, and specification of the contactor, including requirements for auxiliary contacts.
 - 2 The rated control power supply voltage and frequency.
 - 3 The quantity to be ordered.
- 4 Order Example:
CJX2 - 0910, coil voltage AC220V, 50Hz, 50 units.

6



C-Lin
Products Instructions

CJX2 Series AC Contactors

Thank you very much for using our company's AC contactors. Please read the instruction manual before use!

C-Lin

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