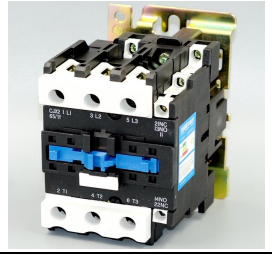



CJX2 AC Contactors

Product Description

CJX2 series AC Contactors have small size and very attractive appearance. They are mainly applied in alternating circuit(50/60Hz frequency, maximum current is 95A when the voltage is 380V under AC-3 type), to close or break the circuit. It turns into an electromagnetic starter when it works together with a matching Thermal Relay, which can protect the overload circuit. Meanwhile, this device is very skilled at frequently starting and controling the AC generator.

Features

- Small size, optimized structure design, can save space for the user.
- Wide amperes provide more options to meet different market demand.
- Multiunit dustproof makes the device can survive more harsh condition.
- Compatible with all kinds of functional auxiliaries which provide more extended functions.
- Double hole wiring provides mor better reliability and safty.

Technical Specification

Models			CJX2-09	CJX2-12	CJX2-18	CJX2-25	CJX2-32	CJX2-40	CJX2-50	CJX2-65	CJX2-80	CJX2-95
Main circuit characteristic												
Poles			3Poles									
Rated insulation voltage(V) Ui			690									
Rated impulse withstand voltage(kV) Uimp			6									
Rated making capacity			Making current: 10 x Ie(AC-3) or 12 x Ie(AC-4)									
Rated breaking capacity:			Making and breaking current: 8x Ie(AC-3) or 10x Ie(AC-5)									
Rated current(A) Ie	380V	AC-3	9	12	18	25	32	40	50	65	80	95
		AC-4	3.5	5	7.7	8.5	12	18.5	24	28	37	44
	660V	AC-3	7	9	12	18	21	34	39	42	49	49
		AC-4	1.5	2	3.8	4.4	7.5	9	12	14	17.3	21.3
Controllable three pahse squirrel-cage motor power(kW)	220V	AC-3	2.2	3	4	5.5	7.5	11	15	18.5	22	25
	380V		4	5.5	7.5	11	15	18.5	22	30	37	45
	660V		5.5	7.5	10	15	18.5	30	33	37	45	55
Conventional free air thermal current (A)		Ith	20	20	32	40	50	60	80	80	110	110
Electrical life (10000times)		AC-3	100	100	100	100	80	80	60	60	60	60
		AC-4	20	20	20	20	20	15	15	15	15	15
Mechanical life (10000times)			1000					800			600	
Operating frequency	Electrical life (times/h)	AC-3	1200					600				
		AC-4	300					150				
	Mechanical life(times/h)		3600								2400	

Working Environment And Installation

• Ambient temperature: ultimate operating temperature is -35℃—+70℃. Normal working temperature is -5℃—+40℃, the average temperature can not exceed +35℃ within 24hours.

• Installation conditions: The sloping degree between installation surface and vertical surface can not exceed ±22.5 degree. The installation type is III.

• Pollution: Class 3

• Altitude: The altitude of the installation site can not exceed 2000M

• Air condition: The humidity can not exceed 50℃ while the temperature is at 70℃, and the device can stand higher humidity if temperature is low. In the most humid month, when the average temperature is 25℃, the average humidity can not exceed 90℃ and the condensation matter should be considered in this situation.

• The device should be installed in the place without severe shaking,impacting and vibration.

Operation In Ultimate Environment Conditions

Derating operation at high altitude:

The electrical cahracterisitics of the device will be effected if the altitude of the application is increasing, there has no obivious effec if the altitude is ≦2000m. But when the altitude is higher than 2000m, it will have severe effect on the performance of the device. The detailed correction coefficients of the Umip at different altitude are shown in following chart.

Altitude(m)	2000	3000	4000
The correction coefficient of	1	0.88	0.78
The correction coefficient of	1	0.92	0.9

Derating operation in the high ambient temeprature:

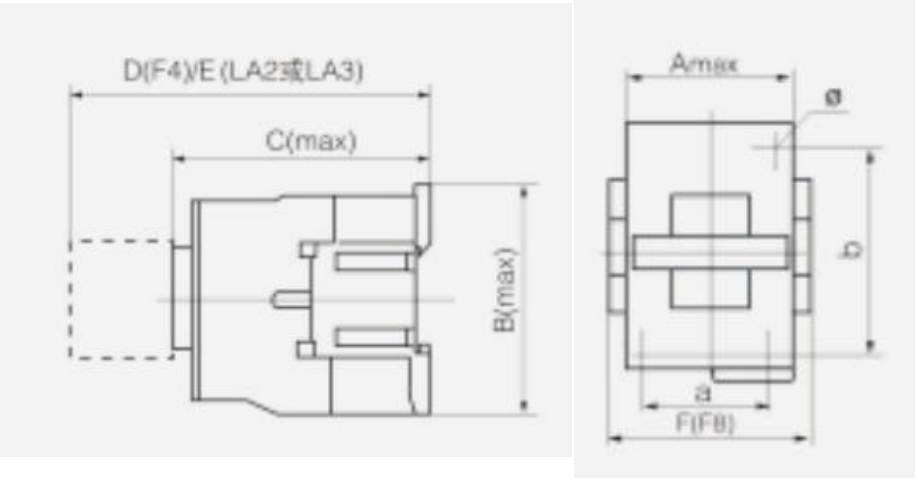
When the ambient temperature is higher than +40℃, the maximum withstand temperature of the device will decrease. So the working current and quantities of

The following chart provides the detailed correction coefficients of the rated operating current without changing the operating voltage when ambient temeprature is

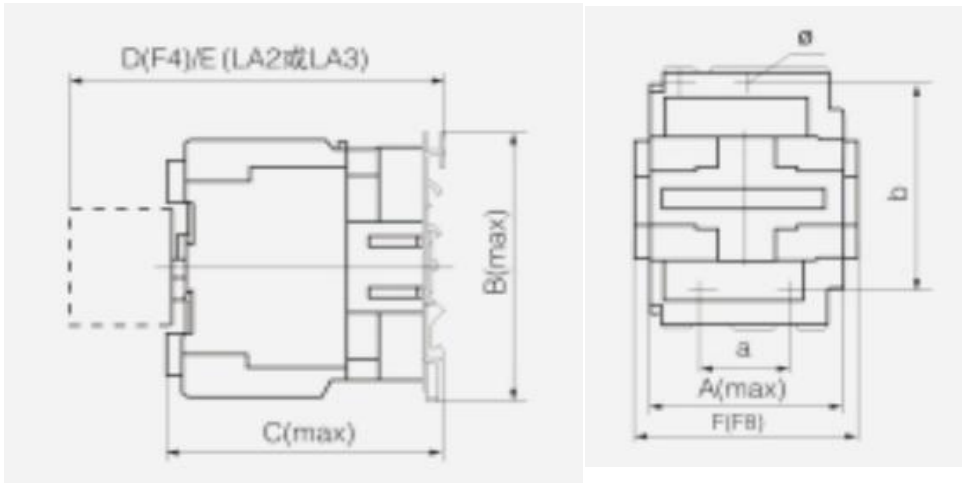
Ambient temperature(℃)	55	60	65	70
Correction coefficient	1	0.93	0.875	0.75

Product And Installation Deimensions

CJX2-09------CJX2-32



CJX2-40-----CJX2-95



Model No.	Amax	Bmax	Cmax	Dmax	Emax	Fmax	a	b	Φ
CJX2-09~12	47	76	82	115	135	73	35	50/60	4.5
CJX2-18	47	76	87	120	140	73	35	50/60	4.5
CJX2-25	57	85	95	128	149	83	40	50/60	4.5
CJX2-32	57	86	100	133	154	83	40	50/60	4.5

CJX2-4011~6511	77	129	116	147	167	103	40	100/110	6.5
CJX2-40004~65004	85	129	115	150	168	113	40	100/110	6.5
CJX2-40008~65008	85	129	126	150	168	111	40	100/110	6.5
CJX2-8011~9511	87	129	127	155	175	113	40	100/110	6.5
CJX2-80004~95004	97	129	123	155	175	123	40	100/110	6.5
CJX2-80008~95008	97	129	134	155	175	123	40	100/110	6.5

Auxiliary Contact Blocks And Air Time-Delay

Front auxiliary contact blocks

F4-11

F4-22

Air time-delay

LA2

Side auxiliary contact blocks

LA8-DN11