CJX2 AC Contactor

1. General

CJX2 series AC Contactor is suitable for using in the circuits the rated voltage up to 660VAC 50Hz or 60Hz, rated current up to 95A, for making & breaking, frequently starting & controlling the AC motor. Combined with the auxiliary contact block, timer delay & machine-interlocking device etc, it becomes the delay contactor, mechanical interlocking contactor, star-delta starter. With the thermal relay, it is combined into the electromagnetic starter. The Contactor is produced according to IEC 60947-4.

2. Standard control voltage

Volts	24	42	48	110	220	230	240	380	400	415	440	500	660
50Hz	B5	D5	E5	F5	M5	P5	U5	Q5	V5	N5	R5	S5	Y5
60Hz	B6	D6	E6	F6	M6	-	U6	Q6	-	-	R6	-	-
50/60Hz	B7	D7	E7	F7	M7	P7	U7	Q7	V7	N7	R7	-	-

3. Type designation

Name	Rated current	Auxiliary contact	Pole number	Coil voltage	Frequency
CJX2	☐	☐	☐	*	·

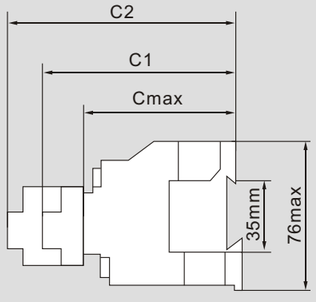
Rated current (A)	Auxiliary contact		Type
	Normal open (NO)	Normal close (NC)	
9	1	-	CJX2-0910*.
	-	1	CJX2-0901*.
12	1	-	CJX2-1210*.
	-	1	CJX2-1201*.
18	1	-	CJX2-1810*.
	-	1	CJX2-1801*.
25	1	-	CJX2-2510*.
	-	1	CJX2-2501*.
32	1	-	CJX2-3210*.
	-	1	CJX2-3201*.
40	1	-	CJX2-4011*.
50	-	1	CJX2-5011*.
65	1	-	CJX2-6511*.
80	-	1	CJX2-8011*.
95	1	-	CJX2-9511*.

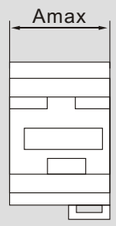
Note:3 pole is normal type, not remarked in the type name.

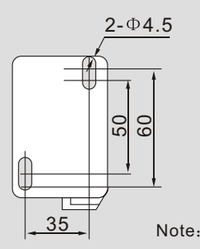
4. Specifications

Type			CJX2-09	CJX2-12	CJX2-18	CJX2-25	CJX2-32	CJX2-40	CJX2-50	CJX2-65	CJX2-80	CJX2-95
Main circuit characteristic												
Rated operation voltage(Ue)		V	380,660									
Rated insulation voltage(Ui)		V	690									
Rated thermal current(Ith)		A	20	20	32	40	50	60	80	80	125	125
Rated operation current(Ie)	AC-3.380V	A	9	12	18	25	32	40	50	65	80	95
	AC-3,660V	A	6.6	8.9	12	18	21	34	39	42	49	55
	AC-4.380V	A	3.5	5	7.7	8.5	12	18.5	24	28	37	41
	AC-4.660V	A	1.5	2	3.8	4.4	7.5	9	12	14	17.3	21.3
Max. power of 3 phase motor controlled	AC-3.220V	kW	2.2	3	4	5.5	7.5	11	15	18.5	22	25
	AC-3.380V	kW	4	5.5	7.5	11	15	18.5	22	30	37	45
	AC-3.660V	kW	5.5	7.5	10	15	18.5	30	33	37	45	55
Electrical life	AC-3	10000 t	100				80	80			60	
	AC-4	10000 t	20				20	15			10	
Machinical life		10000 t	1000				800	800			600	
Operation frequency	AC-3	t/h	1200				600	600			600	
	AC-4	t/h	300				300	300			300	
Matching fuse type			RT16-20	RT16-20	RT16-32	RT16-40	RT16-50	RT16-63	RT16-80	RT16-80	RT16-100	RT16-125
Matching thermal relay type			JR28-25	JR28-25	JR28-25	JR28-25	JR28-36	JR28-93	JR28-93	JR28-93	JR28-93	JR28-93
Wiring capacity		mm2	1.5	1.5	2.5	4	6	10	16	16	25	35
Coil												
Control power voltage(Us)	AC	V	36,110,127,220,380									
Allowed control circuit voltage	Close	V	85%~110%Us									
	Open	V	20%~75%Us (AC)									
Coil power	Close	VA	70			110		200				
	Keeping	VA	8			11		20				
	Loss power	W	1.8~2.7			3~4		6~10				
Auxiliary contact												
Rated thermal current(Ith)		A	10									
Rated operation voltage(Ue)	AC	V	380									
	DC	V	220									
Rated control capacity	AC-15	VA	360									
	DC-13	W	33									

5. Overall and Mounting Dimensions(mm)





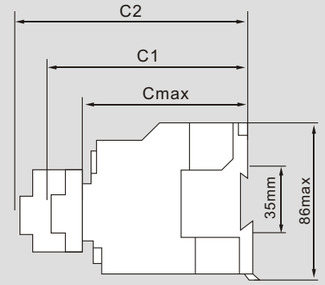


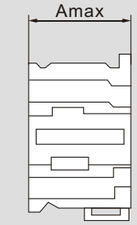
Note: C: CJX2
C1: CJX2+F4
C2: CJX2+SK2-2/3

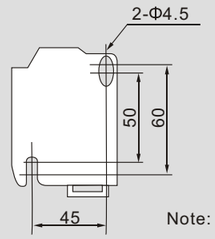
Pic.1 CJX2-09,12,18

Unit:mm

Type	Amax	Cmax	C1	C2
CJX2-09,12	47	82	115	134
CJX2-18	47	87	120	139





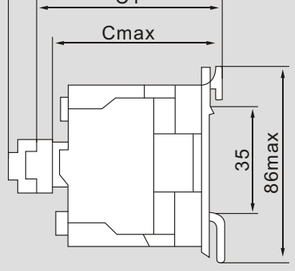


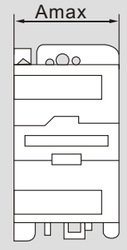
Note: C: CJX2
C1: CJX2+F4
C2: CJX2+SK2-2/3

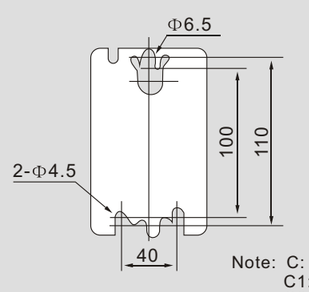
Pic. 2 CJX2-25,32

Unit:mm

Type	Amax	Cmax	C1	C2
CJX2-25	59	97	130	149
CJX2-32	59	102	135	154







Note: C: CJX2
C1: CJX2+F4
C2: CJX2+SK2-2/3

Pic. 3 CJX2-40~95

Unit:mm

Type	Amax	Cmax	C1	C2
CJX2-40,50,65	79	116	149	168
CJX2-80,95	87	127	160	179

6. Operation and installation condition

Ambient temperature	-5℃~+40℃
Altitude	≤2000m
Relative humidity	The maximum temperature of 40 degrees, the air relative humidity not exceed 50%, at a lower temperature can allow for a higher relative humidity, if humidity changes as a result of occasional gel generated, should eliminate it.
Pollution level	3
Installation category	III
Installation position	The installation degree of the tilt and vertical plane should not exceed ±22.5°, should be installed in place with no significant impact shaking and vibration
Installation	The installation of fastening screws can be used, the CJX1-9~38 contactor can also be installed on 35mm standard DIN rail.