



CJX2 AC Contactor

General

CJX2 series AC Contactor is suitable for using in the circuits the rated voltage up to 660V AC 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.

Coil voltage of contactor and code of it

Coil voltage Us(V)	24	36	42	48	110	220	230	240	380	400	415	440	600
50Hz	B5	C5	D5	E5	F5	M5	P5	U5	Q5	V5	N5	R5	X5
60Hz	B6	C6	D6	E6	F6	M6	P6	U6	Q6	V6	N6	R6	X6
50/60Hz	B7	C7	D7	E7	F7	M7	P7	U7	Q7	V7	N7	R7	X7

Type designation

Name	Rated current	Auxiliary contact	Pole number	Coil voltage	Frequency
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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	1	CJX2-4011*.
50	1	1	CJX2-5011*.
65	1	1	CJX2-6511*.
80	1	1	CJX2-8011*.
95	1	1	CJX2-9511*.

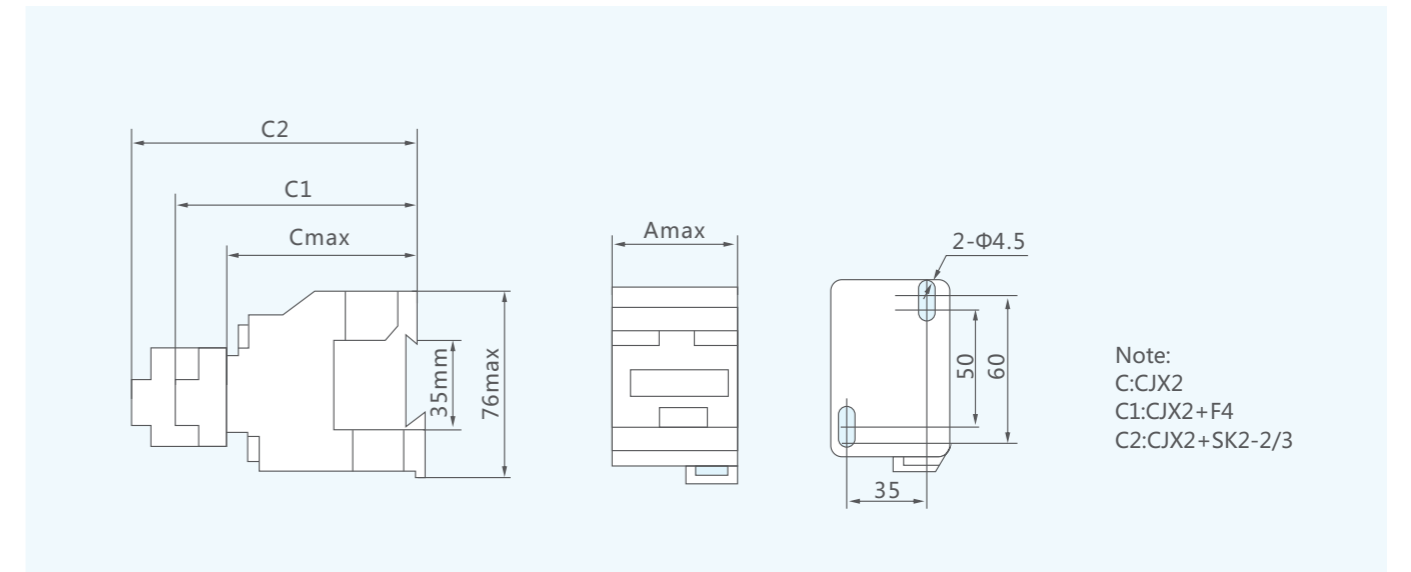
Specifications

Type		CJX2-09	CJX2-12	CJX2-18	CJX2-25	CJX2-32	CJX2-40	CJX2-50	CJX2-65	CJX2-80	CJX2-95	
Rated insulation voltage (Ui)	V	690										
Rated thermal current (Ith)	A	20	20	32	40	50	60	80	80	95	95	
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				
Mechanical 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	mm ²	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)									
Auxiliary contact	Close	VA	70		110		200					
	Keeping	VA	8		11		20					
	Loss power	W	1.8~2.7		3~4		6~10					
Rated thermal current (Ith)	A	10										
Rated operation voltage (Ue)	AC-15	V	380									
	DC-13	V	220									
Rated control capacity	AC-15	VA	360									
	DC-13	W	33									

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

Overall and mounting dimensions(mm)

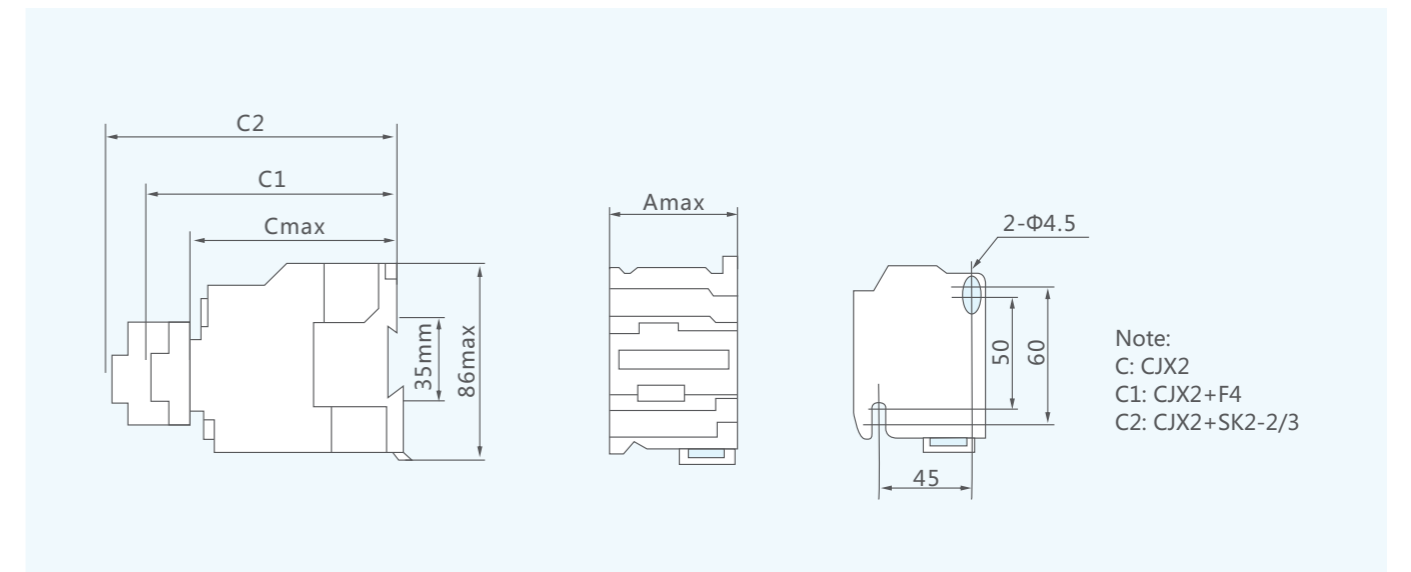
Pic.1 CJX2-09,12,18



Unit: mm

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

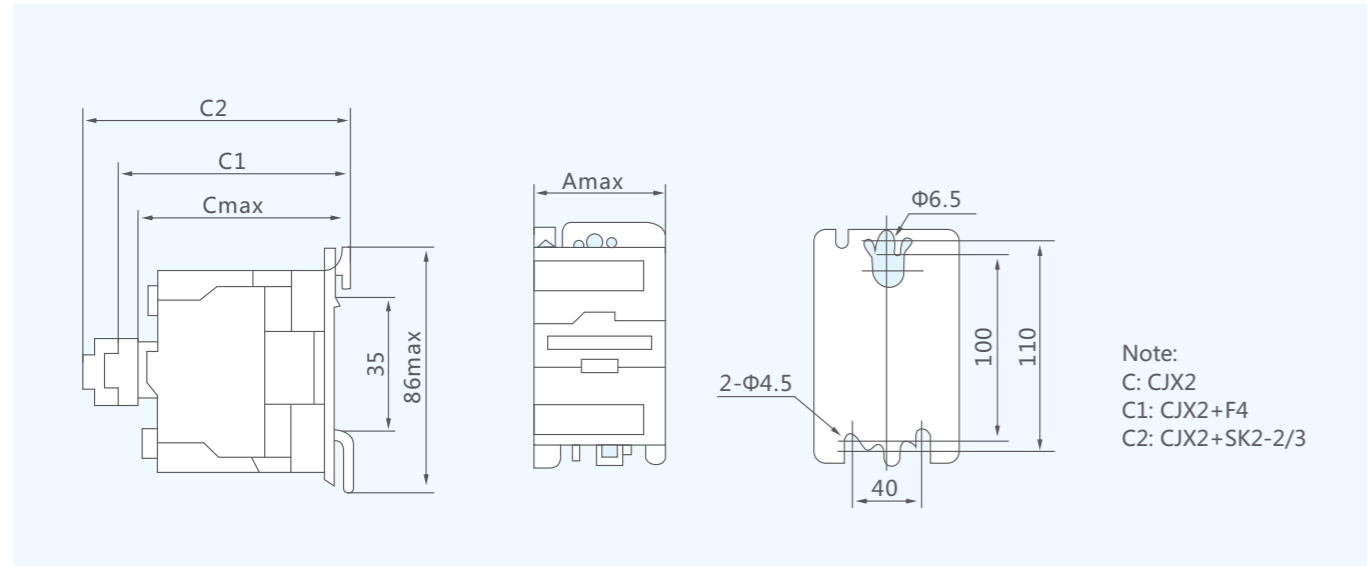
Pic. 2 CJX2-25,32



Unit: mm

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

Pic. 3 CJX2-40~95



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

Unit: mm

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

Specifications

Ambient temperature	-5°C~+40°C
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.












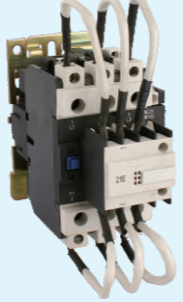
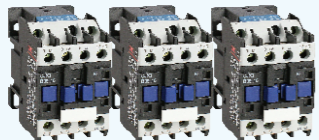


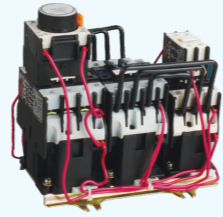
LA1-D, LA2-D, LA3-D Contact Block

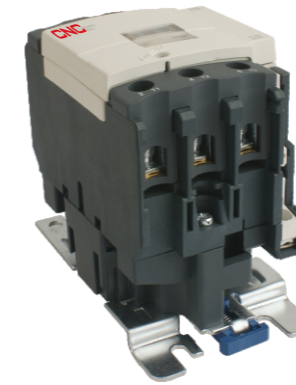
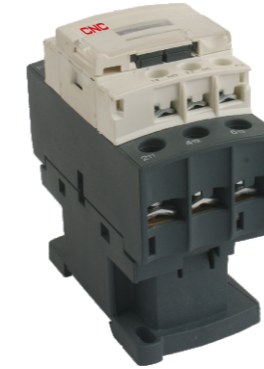
Type	Product	Configuration of contacts	
		Number of N/O contact	Number of N/C contact
LA1-DN20 LA1-DN11 LA1-DN02		2 1 0	0 1 2
LA1-DN40 LA1-DN31 LA1-DN22 LA1-DN13 LA1-DN04		4 3 2 1 0	0 1 2 3 4
Type		Time-delay range	Number of time-delay contacts
LA2-DT0 LA2-DT2 LA2-DT4		0.1s~3s 0.1s~30s 10s~180s	NO+NC NO+NC NO+NC
LA3-DR0 LA3-DR2 LA3-DR4		0.1s~3s 0.1s~30s 10s~180s	NO+NC NO+NC NO+NC

LX1-D Coil

Type	Product	Coil voltage Us(V) Frequency (Hz)	Coil voltage													
			24	36	42	48	110	127	220	230	240	380	400	415	440	600
LX1-D2		50Hz	B5	C5	D5	E5	F5	G5	M5	P5	U5	Q5	V5	N5	R5	X5
LX1-D4		60Hz	B6	C6	D6	E6	F6	G6	M6	P6	U6	Q6	V6	N6	R6	X6
LX1-D6		50/60Hz	B7	C7	D7	E7	F7	G7	M7	P7	U7	Q7	V7	N7	R7	X7

Derived Products When The Contactor is Assembled With Following Accessory Module

Derived products	Contactor	Accessorial modular	Picture
Time-delay contactor			
Reversing contactor			
Magnetic starter			
Changeover capacitor AC contactor			
Star-delta contactor		 	



Application

CJX2N series AC contactor is suitable for frequency 50/60Hz, rated insulation voltage up to 1000V, rated operation current 9~150A under AC~3 duty. It is mainly used for making/breaking electric circuits at a long distance & for frequent starting/stopping & controlling AC Motors. It is used in combination with thermal relay to compose a magnetic motor starter. The products comply with IEC60947-4-1 standard.

Specification

Type	CJX2N -09	CJX2N -12	CJX2N -18	CJX2N -25	CJX2N -32	CJX2N -38
Rated working current Ie (A) AC-3 Ue≤440V	9	12	18	25	32	38
Rated heat current Ith (A)	25	25	32	40	50	50
Rated insulation voltage Ui (V)	690	690	690	690	690	690
Rated operating voltage Ue (V) Max	690	690	690	690	690	690
Rated operational power in AC-3 Pe(kW)	220/230V	2.2	3	4	5.5	7.5
	380/400V	4	5.5	7.5	11	15
	415/440V	4	5.5	9	11	15
	500V	5.5	7.5	10	15	18.5
	660/690V	5.5	7.5	10	15	18.5
Rated operational power in AC-4 Pe(kW)	220/230V	1.5	1.5	2.2	3	4
	380/400V	2.2	3.7	4	5.5	7.5
	415/440V	2.2	3	3.7	5.5	7.5
	500V	3	4	5.5	7.5	9
	660/690V	4	5.5	7.5	10	11
Frequency of operation (I/h)	1200	1200	1200	1200	1000	1000
Electrical endurance (x10 ⁶)	AC-3	100	100	100	100	80
	AC-4	20	20	20	20	20
Mechanical endurance (x10 ⁶)	15	15	15	15	15	15
Operating voltage range of coil	Close voltage: (0.85~1.1)Us Open voltage: (20%~75%)Us					
Power consumption of coil (VA)	Attracting	7	7	7	7	7
	Starting	70	70	70	70	70
Rated insulation voltage of auxiliary contacts (V)	690	690	690	690	690	690
Conventional thermal current of auxiliary contacts (A)	10	10	10	10	10	10
Auxiliary contacts specification	AC-15:360VA			DC-13:33W		