

## Motor Control & Protection

### CJX2-D AC Contactor



#### General

CJX2-D series AC Contactor is suitable for using in the circuits of 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.

Standard: IEC 60947-4-1.

#### Coil voltage of contactor and code

CJX2	12	10	N		
Product name	Rated current	Auxiliary contact	Derived code	Coil voltage	Frequency
CJX2-D	09: 9A	01 : 1NC 10 : 1NO 11 : 1NO+1NC (Applicable for 40A and above) 04 : 4NO 08 : 2NO+2NC	No: general contactor N: reversible contactor	24V、	50Hz
	12: 12A			36V、	
	18: 18A			42V、	
	25: 25A			48V、	
	32: 32A			110V、	
	40: 40A			220V、	
	50: 50A			230V、	
	65: 65A			240V、	
	80: 80A			380V、	
	95: 95A			400V、	
				415V、	60Hz
				440V、	50/60Hz
				600V	

Note: 04 and 08 are main contacts

#### Coil voltage of contactor and code

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



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#### Technical data

Type			CJX2-D09	CJX2-D12	CJX2-D18	CJX2-D25	CJX2-D32	CJX2-D40	CJX2-D50	CJX2-D65	CJX2-D80	CJX2-D95
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		
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		
Main contact structure	3 N.O., 4 N.O., 2 N.O. and 2 N.C											
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 <sup>2</sup>	2.5	2.5	4	4	6	25	25	25	35	35(50)
Coil												
Control power voltage (Us)	AC	V	24, 36, 48, 110, 127, 220/230, 240, 380/400, 415, 440									
Allowed control circuit voltage	Close	V	85%~110%Us									
	Open	V	20%~75%Us(AC)									
	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-15	V	380									
	DC-13	V	220									
Rated control capacity	AC-15	VA	360									
	DC-13	W	33									

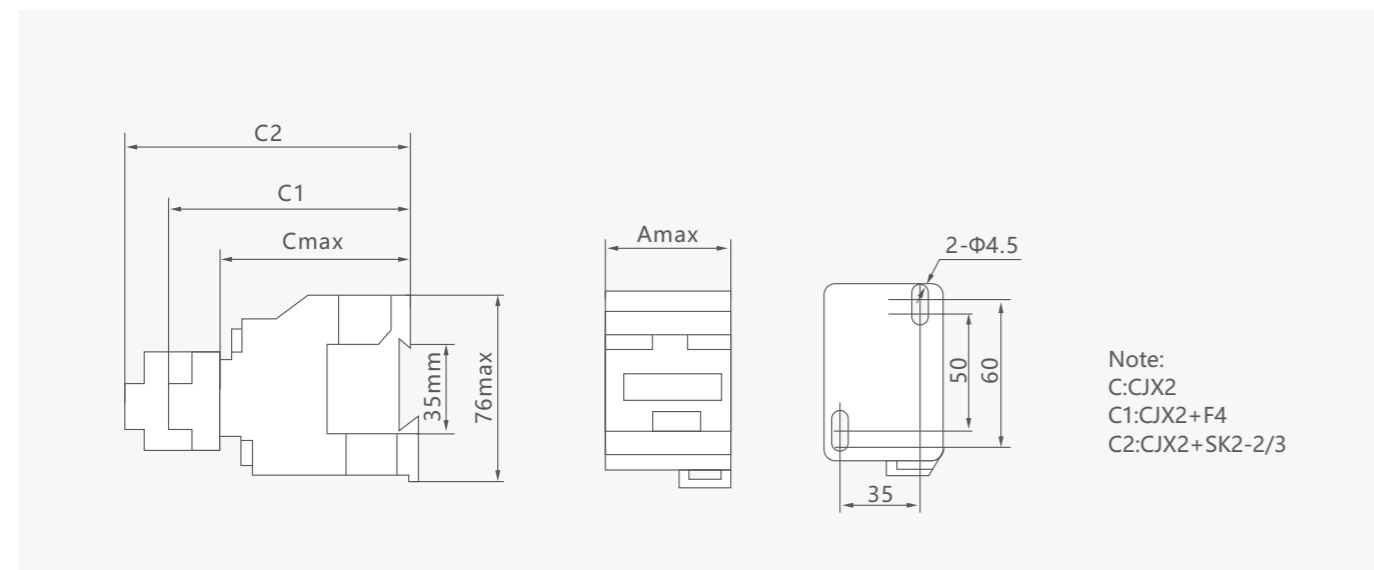
Note: 3 pole is normal type, not remarked in the type name.

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#### Overall and mounting dimensions(mm)

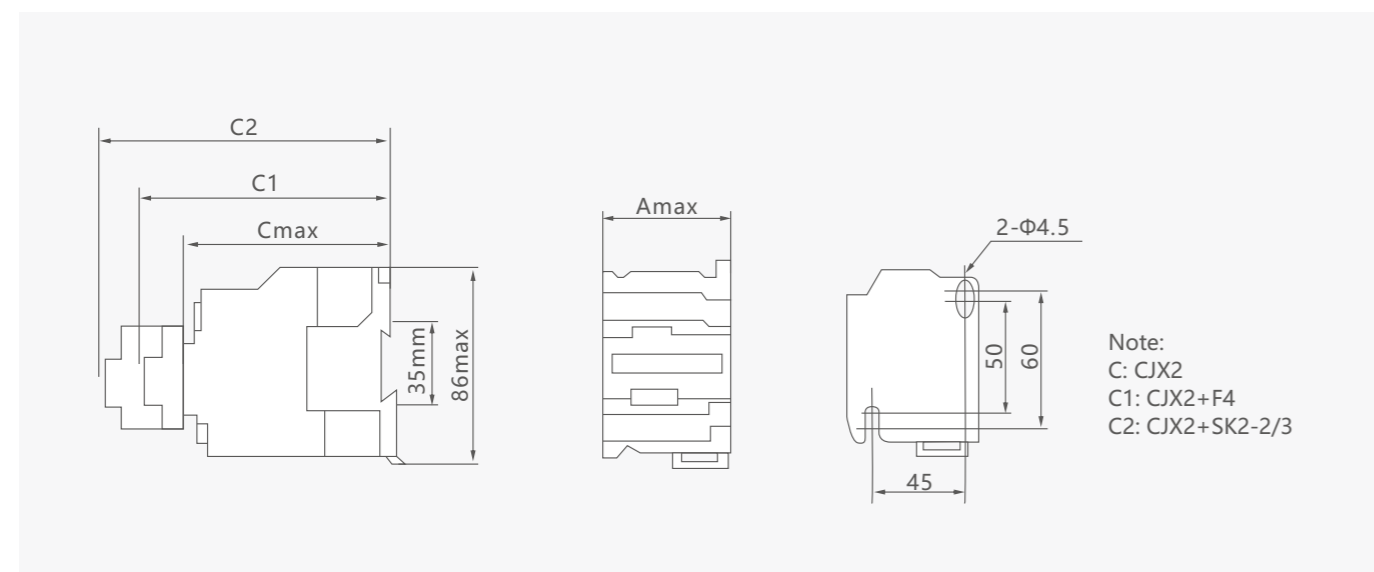
Pic.1 CJX2-D09,12,18



Unit: mm

Type	Amax	Cmax	C1	C2
CJX2-D09,12	47	82	115	134
CJX2-D18	47	87	120	139

Pic. 2 CJX2-D25,32



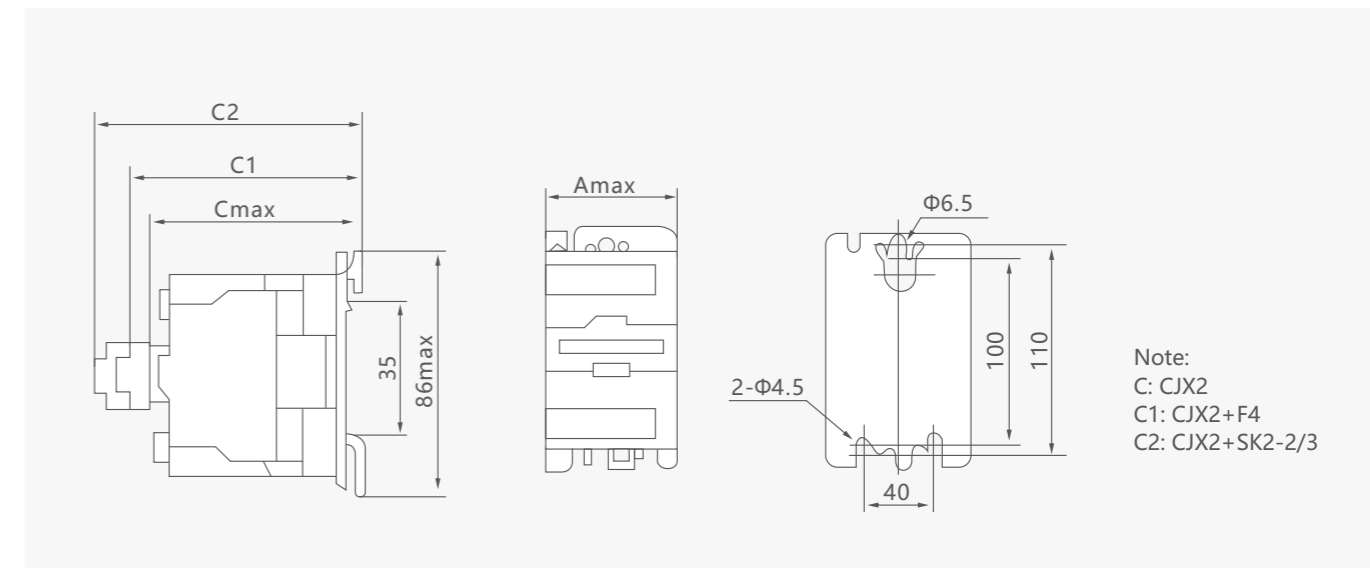
Unit: mm

Type	Amax	Cmax	C1	C2
CJX2-D25	57	95	130	149
CJX2-D32	57	100	135	154

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Pic. 3 CJX2-D40~95



Unit: mm

Type	Amax	Cmax	C1	C2
CJX2-D40,50,65	79	116	149	168
CJX2-D80,95	87	127	160	179
CJX2-D40004,65004	84	116	149	168
CJX2-D40008,65008	84	127	149	168
CJX2-D80004,95004	96	122	160	179
CJX2-D80008,95008	96	135	160	179





#### Operating conditions

Item	Data
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	Inclination between installation surface and vertical surface should not exceed ±5°
Installation	The installation of fastening screws can be used, the CJX1-9~38 contactor can also be installed on 35mm standard DIN rail.

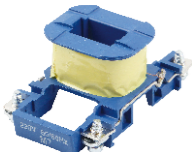
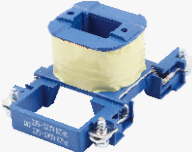

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F4-D, LA2-D, LA3-D Contact Block

Type	Product	Configuration of contacts	
		Number of N/O contact	Number of N/C contact
F4-DN20 F4-DN11 F4-DN02		2 1 0	0 1 2
F4-DN40 F4-DN31 F4-DN22 F4-DN13 F4-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




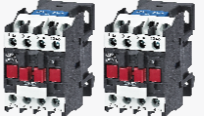















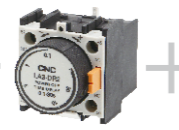

LX1-D Coil

Type	Product	Coil voltage Us(V) Frequency (Hz)	Coil voltage Us(V)													
			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

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### CJX2-D AC Contactor

Derived Products When The Contactor is Assembled With Following Accessory Module

Derived products	Contactor	Accessorial modular	Picture	
Time-delay contactor		+ 	→ 	
Reversing contactor		+ 	→ 	
Magnetic starter		+ 	→ 	
Front Auxiliary Contact		+ 	→ 	
Side Auxiliary Contact		+ 	→ 	
Changeover capacitor AC contactor		+ 	→ 	
Star-delta contactor		+ 	+ 	→ 