

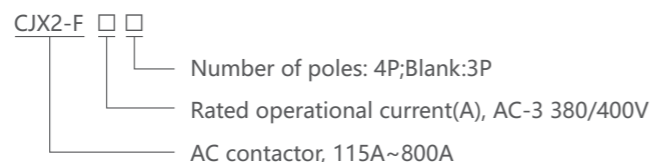
### CJX2-F AC Contactor



#### General

CJX2-F series AC contactor is applied to circuits with AC 50Hz/60Hz, rated voltage up to 690V, rated current up to 800A. It is used for remote making & breaking circuits, and protect circuit from overload when assembling with thermal over-load relay. Standard: IEC 60947-4-1.

#### Type designation



#### Operating conditions

1. Ambient temperature: -5°C~+40°C;
2. Air conditions: At mounting site, relative humidity not exceed 50% at the maximum temperature of +40°C. For the wettest month, the maximum relative humidity averaged shall be 90% while the lowest temperature averaged in that month is +20°C, special measures should be taken to occurrence of condensation.
3. Altitude: ≤2000m;
4. Pollution grade: 2
5. Mounting category: III;
6. Mounting conditions: inclination between the mounting plane and the vertical plane not exceed ±5°;
7. The product should locate in the places where there are no obvious impact and shake.

#### Technical data

Table 1

Model	Rated conventional heating current(A) Ith AC-1	Rated operational current(A)		Power of controlled 3-phase cage motor(kW)		Operating cycles (times/h) AC-3	Electrical life (×10 <sup>4</sup> times) AC-3	Mechanical life (×10 <sup>4</sup> times)	Matched fuse	
		AC-3	AC-4	AC-3	AC-4				Model	Rated current A
CJX2-F115	200	115	86	55	80	1200	120	1000	NT1	250
CJX2-F150	200	150	108	75	100				NT1	250
CJX2-F185	275	185	118	90	110	600	100	600	NT2	315
CJX2-F225	275	225	137	110	132				NT2	315
CJX2-F265	315	265	170	132	160				NT3	355
CJX2-F330	380	330	235	160	200				NT3	500
CJX2-F400	450	400	303	200	250				NT3	630
CJX2-F500	630	500	353	250	335	60	300		NT4	800
CJX2-F630	800	630	462	335	450				NT4	1000
CJX2-F800	800	800(AC-3)	486(AC-3)	450	475				NT4	1000
CJX2-F800	800	630(AC-4)	462(AC-4)	335	450				NT4	1000

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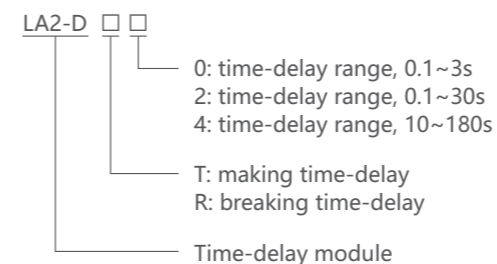
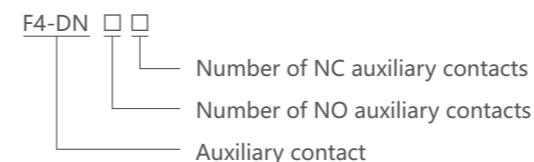


Table 2 Auxiliary contact

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


Table 3 Time-delay module

Type	Product	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

## Motor Control and protection Inverter & Soft- Starter

### CJX2-F AC Contactor

Table 4 Coil

Contactor type	Coil code	Coil voltage(V)			
		110V AC	127V AC	220V AC	380V AC
	CJX2-F115,150	FF 110	FF 127	FF 220	FF 380
	CJX2-F185,225	FG 110	FG 127	FG 220	FG 380
	CJX2-F265	FH 110	FH 127	FH 220	FH 380
	CJX2-F330	FH 1102	FH 1272	FH 2202	FH 3802
	CJX2-F400	FJ 110	FJ 127	FJ 220	FJ 380
	CJX2-F500	FK 110	FK 127	FK 220	FK 380
	CJX2-F630	FL 110	FL 127	FL 220	FL 380
	CJX2-F800	FM 110	FM 127	FM 220	FM 380

Note: operation voltage: (85%~110%)Us; drop-out voltage: (20%~75%)Us for common products, (10%~75%)Us for common products.

### Terminal connection

Model	The connection capability			Screw size	Tightening torque (N·m)
	Number of piece	Cable cross section (mm <sup>2</sup> )	Cu busbar cross section (mm <sup>2</sup> )		
CJX2-F115	1	70~95	-	M6	3
CJX2-F150	1	70~95	-	M8	6
CJX2-F185	1	95~150	-	M8	6
CJX2-F225	1	95~150	-	M10	10
CJX2-F265	1	120~185	-	M10	10
CJX2-F330	1	185~240	-	M10	10
CJX2-F400	1(2)	240(150)	30×5	M10	10
CJX2-F500	2	150~185	30×8	M10	10
CJX2-F630	2	185~240	40×8	M12	14
CJX2-F800	2	185~240	40×8	M12	14

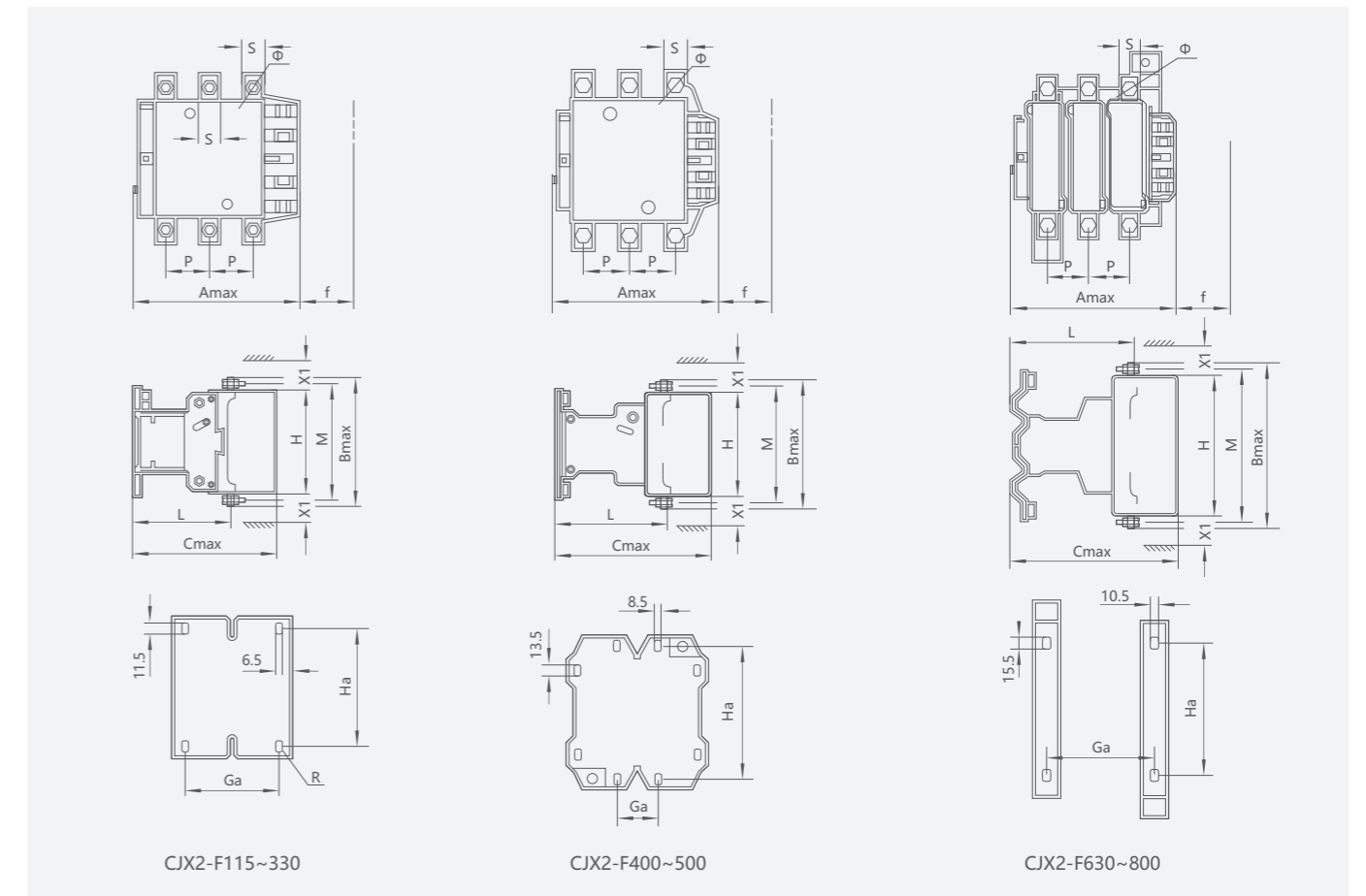
### Structure features

- The contactor is composed of arc-extinguishing system, contact system, base frame and magnetic system (including iron core, coil).
- The contact system of the contactor is of direct action type and double-breaking points allocation.
- The lower base-frame of the contactor is made of shaped aluminum alloy and the coil is of plastic enclosed structure.
- The coil is assembled with the amature to be an integrated one. They can be directly taken out from or inserted into the contactor.
- It is convenient for user's service and maintenance.

## Motor Control and protection Inverter & Soft- Starter

### CJX2-F AC Contactor

### Overall and mounting dimensions (mm)



Model	CJX2-F115		CJX2-F150		CJX2-F185		CJX2-F225		CJX2-F265		CJX2-F330		CJX2-F400		CJX2-F500		CJX2-F630		CJX2-F800		
	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	3P	4P	3P	3P	3P	
A	168	204	168	204	171	211	171	211	202	247	215	261	215	261	235	312	389	312			
B	163	163	171	171	175	175	198	198	204	204	208	208	208	208	238	305	305	305			
C	172	172	172	172	183	183	183	183	215	215	220	220	220	220	233	256	256	256			
P	37	37	40	40	40	40	48	48	48	48	48	48	48	48	55	80	80	80			
S	20	20	20	20	20	20	25	25	25	25	25	25	25	25	30	40	40	40			
Φ	M6	M6	M8	M8	M8	M8	M10	M10	M10	M10	M10	M10	M10	M10	M10	M12	M12	M12			
f	131	131	131	131	131	131	131	131	147	147	147	147	146	146	150	181	181	181			
M	147	147	150	150	154	154	172	172	178	178	181	181	181	181	208	264	264	264			
H	124	124	124	124	127	127	127	127	147	147	158	158	158	158	172	202	202	202			
L	107	107	107	107	113.5	113.5	113.5	113.5	141	141	145	145	145	145	146	155	155	155			
X1 200~500V	10		10		10		10		10		10		15		15		20		20		
X1 660~1000V	15		15		15		15		15		15		20		20		30		30		
Ga	80		80		80		80		96		96		80		80		180		240		180
Ha	110~120		110~120		110~120		110~120		110~120		110~120		170~180		170~180		180~190		180~190		

Note: a. f is the min distance needed to mount and dismount the coil.

b. X1: arcing distance is identified by operating voltage and breaking capacity.