

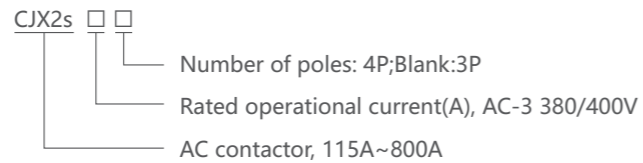
CJX2s-F AC Contactor



General

CJX2s 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) lth AC-1	Rated operational current(A)		Power of controlled 3-phase cage motor(kW)		Operating cycles (times/h) AC-3	Electrical life (×10 ⁴ times) AC-3	Mechanical life (×10 ⁴ times)	Matched fuse	
		AC-3 380/400V	AC-4 660/690V	AC-3 380/400V	AC-4 660/690V				Model	Rated current A
CJX2s-150	200	150	108	75	100	NT1	250			
CJX2s-185	275	185	118	90	110	600	100	600	NT2	315
CJX2s-225	275	225	137	110	132				NT2	315
CJX2s-265	315	265	170	132	160	600	80	600	NT3	355
CJX2s-330	380	330	235	160	200				NT3	500
CJX2s-400	450	400	303	200	250	60	300	300	NT3	630
CJX2s-500	630	500	353	250	335				NT4	800
CJX2s-630	800	630	462	335	450	60	300	300	NT4	1000
CJX2s-800	800	800(AC-3)	486(AC-3)	450	475				NT4	1000
CJX2s-800	800	630(AC-4)	462(AC-4)	335	450				NT4	1000

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Type designation

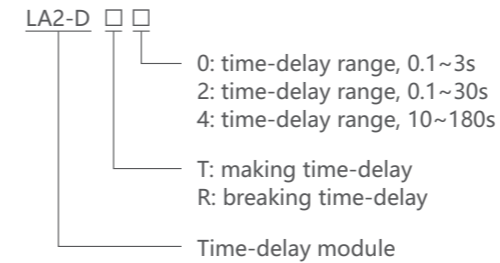
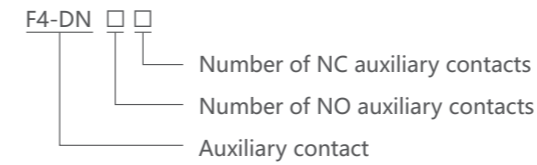


Table 2 Auxiliary contact



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

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Table 4 Coil

Contactor type	Coil code	Coil voltage(V)	110V AC	127V AC	220V AC	380V AC
 Common products	CJX2s 115,150	FF 110	FF 127	FF 220	FF 380	
	CJX2s 185,225	FG 110	FG 127	FG 220	FG 380	
	CJX2s 265	FH 110	FH 127	FH 220	FH 380	
 Electricity-saving products	CJX2s 330	FH 1102	FH 1272	FH 2202	FH 3802	
	CJX2s 400	FJ 110	FJ 127	FJ 220	FJ 380	
	CJX2s 500	FK 110	FK 127	FK 220	FK 380	
	CJX2s 630	FL 110	FL 127	FL 220	FL 380	
	CJX2s 800	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

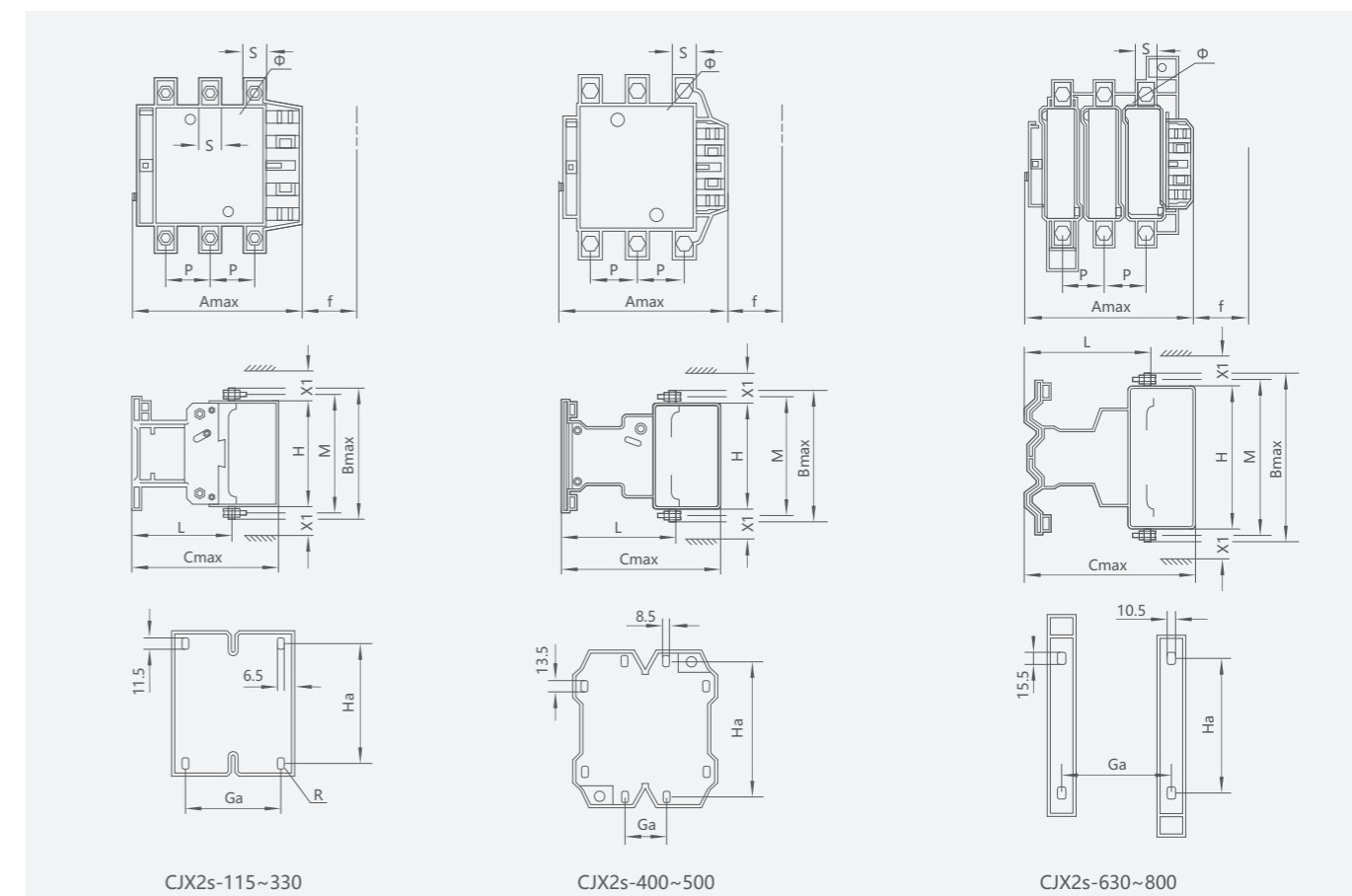
Model	The connection capability			Screw size	Tightening torque (N·m)
	Number of piece	Cable cross section (mm ²)	Cu busbar cross section (mm ²)		
CJX2s-115	1	70~95	-	M6	3
CJX2s-150	1	70~95	-	M8	6
CJX2s-185	1	95~150	-	M8	6
CJX2s-225	1	95~150	-	M10	10
CJX2s-265	1	120~185	-	M10	10
CJX2s-330	1	185~240	-	M10	10
CJX2s-400	1(2)	240(150)	30×5	M10	10
CJX2s-500	2	150~185	30×8	M10	10
CJX2s-630	2	185~240	40×8	M12	14
CJX2s-800	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.

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Overall and mounting dimensions (mm)



Model	CJX2s-115		CJX2s-150		CJX2s-185		CJX2s-225		CJX2s-265		CJX2s-330		CJX2s-400		CJX2s-500		CJX2s-630		CJX2s-800
	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	3P	4P	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	10	10	10	10	15	15	15	15	20	20	20	20	
X1 660~1000V	15	15	15	15	15	15	15	15	15	15	20	20	20	20	30	30	30	30	
Ga	80	80	80	80	80	80	80	80	96	96	96	96	96	96	180	240	240	180	
Ha	110~120	110~120	110~120	110~120	110~120	110~120	110~120	110~120	110~120	110~120	170~180	170~180	170~180	170~180	180~190	180~190	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.