

CJX2F Series AC Contactor

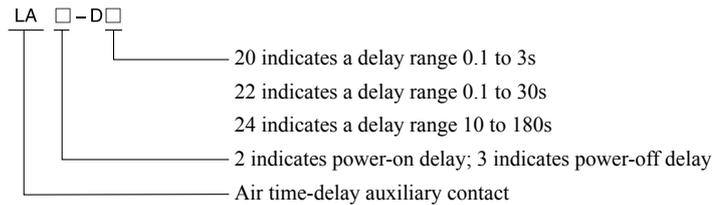
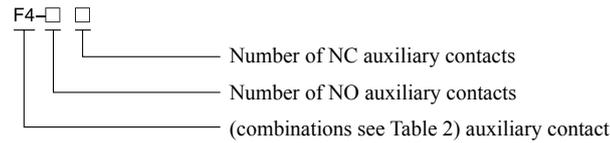
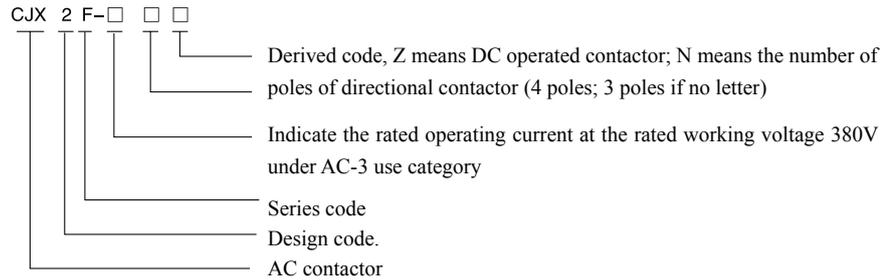
1 Product overview



CJX2F series AC contactor (hereinafter referred to as contactor) is mainly used in AC 50Hz or 60Hz circuit with a rated working voltage up to 1000V and with a rated working current up to 800A for remote power-on and power-off of circuit, and can be combined with the appropriate thermal overload relay to form an electromagnetic starter for protection of the circuit that overload may occur.

Available standards: IEC 60947-4-1.

2 Type designation



3 Product parameters

3.1 Main specifications of contactor

3.1.1 Divided according to the current grade: 115A, 150A, 185A, 225A, 265A, 330A, 400A, 500A, 630A, and 800A.

3.1.2 Divided according to the rated control power voltage U_s of the contactor coil: AC 50HZ OR 60HZ, AC110V(115V), AC220V(230V), AC380V(400V); DC110V, DC220V.

3.2 Main parameters and technical performance indexes of contactor see (Table 1).

Table 1

Contactor model	Rated insulation voltage U_i (V)	Free air resistive current (A)	Rated operating current AC-3(A)			Max. power of the controllable three-phase squirrel cage motor (KW)			Operating frequency AC-3 times/h	Electrical life AC-3 (10,000 times)	Mechanical life (10,000 times)	Model & Spec. of matched fuse
			380V	660V	1000V	380V	660V	1000V				
CJX2F-115	1000	200	115	86	46	55	80	65	1200	120	1000	RT16-2/200
CJX2F-150		200	150	108	50	75	100	65				RT16-2/225
CJX2F-185		275	185	118	71	90	110	100				RT16-2/315
CJX2F-225		275	225	137	90	110	129	100	600	100	600	RT16-2/315
CJX2F-265		315	265	170	112	132	160	147				RT16-2/355
CJX2F-330		380	330	235	155	160	220	160	600	80	600	RT16-3/450
CJX2F-400		450	400	303	200	200	280	185				RT16-3/560
CJX2F-500		630	500	353	232	250	335	300				RT16-3/630
CJX2F-630		800	630	462	331	335	450	380				RT16-3/630
CJX2F-800		800	800	486		450	475					60



CJX2F Series AC Contactor



3.3 Model, specifications and parameters of auxiliary contacts (see Table 2).

Table 2

Model		F4-11	F4-20	F4-02	F4-40	F4-31	F4-22	F4-13	F4-04	Remarks
Qty.	Normal open	1	2	0	4	3	2	1	0	Rated insulation voltage: 660V; Control capacity: AC-15 360VA DC-13 33W
	Normal closed	1	0	2	0	1	2	3	4	
Legend										

3.4 Action characteristics

3.4.1 Pull-in voltage: 85% ~ 110Us.

3.4.2 Release voltage of common product: 20% ~ 75%Us; DC product: 10% ~ 75%Us.

3.5 Main specifications and codes of coil see Table 3.

Table 3

Model	50Hz or 60Hz coil				50Hz or 60Hz coil				DC coil	
	Coil code	Start (VA)	Holding (VA)	Control voltage Us (V)	Coil code	Start (VA)	Holding (VA)	Control voltage Us (V)		
CJX2F-115	LX1-FF□	660	85.5	110、220、 380					LX4-FF□	110、220
CJX2F-150										
CJX2F-185	LX1-FG□	966	91.2					LX4-FG□		
CJX2F-225										
CJX2F-265					LX1-FH□	840	150	110、 220、 380、	LX4-FH□	
CJX2F-330					LX1-FJ□	1500	150		LX4-FJ□	
CJX2F-400					LX1-FK□	1500	150	LX4-FK□		
CJX2F-500					LX1-FL□	1700	150	LX4-FL□		
CJX2F-630										
CJX2F-800										

Note: 1) □ in table indicates the control power voltage of coil; 2) The control power voltage of coil not listed in table shall be customized specifically.

3.6 Coordination with short-circuit protective device (SCPD).

Rated limit short-circuit current Iq; 50kA;

The model of the short-circuit protective device (SCPD) used sees Table 1;

Coordination type (protection type): “2”

3.7 CJX2F-115-150 contactor complies with the national energy efficiency grade 3;

CJX2F-185-800 contactor complies with the national energy efficiency grade 2;

4 Normal working conditions and installation conditions

4.1 Ambient air temperature: -25° C~+40° C. The average within 24h does not exceed +35° C.

4.2 Altitude: Not higher than 2000m.

4.3 When the maximum temperature is +40° C, the relative humidity of the air does not exceed 50%. Higher relative humidity is allowed at lower temperatures, for example, up to 90% at 20° C. Special measures should be taken for condensation occurred occasionally due to temperature changes;

4.4 Pollution level: 3.

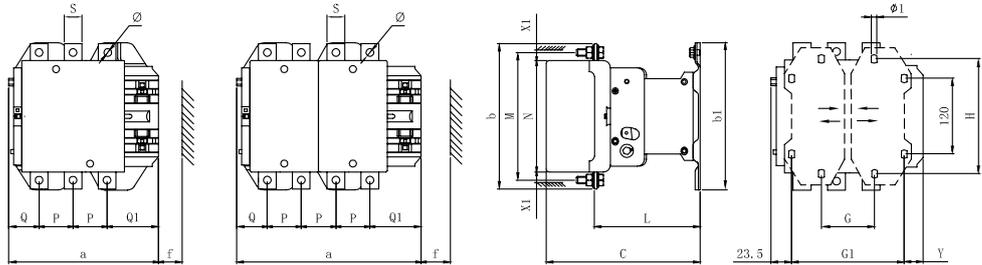
4.5 Installation category: Class III.

4.6 Installation condition: The inclination between the mounting surface and the vertical plane does not exceed ±5°.

4.7 Impact vibration: The product should be installed and used in a place where there is no obvious shaking, impact and vibration.

CJX2F Series AC Contactor

6.2 Outline and installation dimensions for CJX2F-400, 4004, 500, and 5004 see Fig. 3 and Table 5.

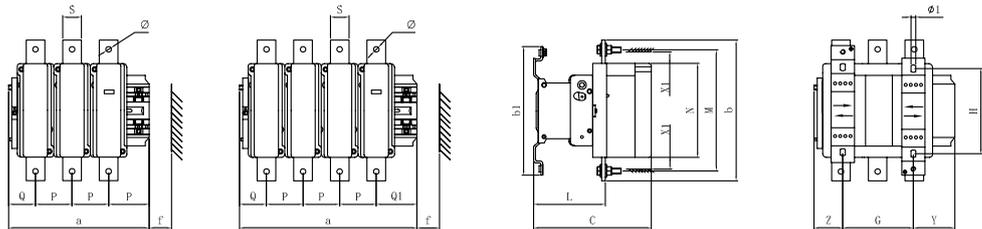


Outline and installation dimensions for CJX2F-400, 4004, 500, and 5004

Table 5

Product model	a	p	Q	Q1	s	Φ	f	b	b1	M	N	C	L	G	G1	H	Φ1	Y	X1	
																			<500	>500
CJX2F-400	214	48	43	74	25	M10	151	206	209	181	158	222	145	80	170	170-180	8.5	19.5	15	20
CJX2F-4004	261	48	43	74	25	M10	151	206	209	181	158	222	145	80	170	170-180	8.5	67.5	15	20
CJX2F-500	233	55	46	77	30	M10	169	238	209	208	172	232	146	80	170	170-180	8.5	39.5	15	20
CJX2F-5004	288	55	46	77	30	M10	169	238	209	208	172	232	146	140	230	170-180	8.5	34.5	15	20

6.3 Outline and installation dimensions for CJX2F-630, 6304, 800 and 8004 see Fig. 4 and Table 6.



Outline and installation dimensions for CJX2F-630, 6304, 800 and 8004

Table 6

Product model	a	p	Q	Q1	s	Φ	f	b	b1	M	N	C	L	G	H	Φ1	Z	Y	X1	
																			<500	>500
CJX2F-630	309	80	60	89	40	M12	201	307	280	264	202	260	155	180	180-190	10.5	60.5	68.5	20	30
CJX2F-800	389	80	60	89	40	M12	201	307	280	264	202	260	155	240	180-190	10.5	60.5	88.5	20	30

7 Order Information

Please specify the following items when ordering:

7.1 Complete name and model of contactor.

7.2 Rated control power voltage and frequency or specification code of coil.

7.3 Generally, the product is not equipped with an auxiliary contact that shall be ordered separately as required. The quantity and combinations of auxiliary contacts see Table 2.

7.4 Order quantity.

7.5 Order example: CJX2F-115 coil voltage 380V 50Hz 10 sets.

7.6 The coil of the product is a wearable part, and can be ordered separately. When ordering, please specify the coil voltage, model, and quantity listed in Table 3.

7.7 Coil shall be ordered specially by user if required because not listed in the Table 3.