





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 poweron 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 Us 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).



Contactor model	Rated insulation voltage Ui (V)	Free air resistive current (A)	I c	Rated operat urrent AC-3	ing 3(A)	Ma contro squirrei	x. power of llable three- l cage moto:	the ·phase r (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		1000V	380V	660V	1000V					
CJX2F-115		200	115	86	46	55	80	65	1900	190	1000	RT16-2/200	
CJX2F-150		200	150	108	50	75	100	65	1200	120	1000	RT16-2/225	
CJX2F-185		275	185	118	71	90	110	100		100		RT16-2/315	
CJX2F-225		275	225	137	90	110	129	100		100		RT16-2/315	
CJX2F-265	1000	315	265	170	112	132	160	147				RT16-2/355	
CJX2F-330	1000	380	330	235	155	160	220	160	600		600	RT16-3/450	
CJX2F-400		450	400	303	200	200	280	185		80		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	300	RT17-7/1000	

Table 1





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

5.3 M	5 Model, specifications and parameters of auximary contacts (see Table 2). Table														
		F4-11		F4-02			F4 - 22	F4-13	F4-04						
Otv	Normal open	1	2	0	4	3	2	1	0						
Qty.	Normal closed	1	0	2	0	1	2	3	4	Rated insulation voltage: 660V;					
I	Legend									Control capacity: AC-15 360VA DC-13 33W					

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
	5							D	C coil	
Model	Coil code	Start (VA)	Holding (VA)	Control voltage Us (V)	Coil code	Start (VA)	Holding (VA)	Control voltage Us (V)		
CJX2F-115		660	05.5							
CJX2F-150		000	80.0	110、220、					LX4-FF	
CJX2F-185		066	01.9	380						
CJX2F-225		900	91.2						LX4-FGL	
CJX2F-265						0.40	150			110、220
CJX2F-330					LXI-FHL	840	150	110、	LX4-FHL	
CJX2F-400					LX1−FJ□	1500	150	220、	LX4−FJ□	
CJX2F-500					LX1-FK	1500	150	380、	LX4−FK□	
CJX2F - 630 CJX2F-800					LX1-FL	1700	150		LX4-FL	
Note: 1) [] in table indicates the	e control power y	roltage of c	oil· 2) The	control power vo	ltage of coil not	listed in tab	ole shall be c	ustomized speci	fically	

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 $+40^{\circ}$ 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 $\pm 5^{\circ}$
- 4.7 Impact vibration: The product should be installed and used in a place where there is no obvious shaking, impact and vibration.



5 Structure features

- 5.1 The contactor mainly consists of an arc extinguishing system, a contact system, a base, and a magnetic system (including iron core and coil).
- 5.2 The contact system of contactor is arranged in the direct-acting or dual break point way; the lower base is made of Al alloy, and the coil is of the plastic packaging structure; the coil can be combined with a magnet yoke and they can be directly taken out of or installed into the contactor for very convenient use and maintenance.
- 5.3 The contactor can be equipped with two auxiliary contact that consists of up to 8 pairs of contacts. The combination of auxiliary contacts sees (Table 2).
- 5.4 The flashover distance of contactor is small. For CJX2F-115~330, the flashover distance is only 10mm (200~500V), which is only about 1/6 of the contactor of the same capacity. The contactor is used in the complete set of equipment to reduce occupation space, and is the excellent supporting component in the electrical control equipment.
- 5.5 The auxiliary contact, air time-delay auxiliary contact and other accessories can be installed using the building-block installation method, as shown in Fig. 1.
- 5.6 The contactor can be equipped with a lateral or vertical mechanical interlock to realize the interlock between three vertically mounted contactors.
- 5.7 Three-pole or four-pole contactors can be made.
- 5.8 The wiring bolt combination can be provided in the accessory form.



6 Outline and installation dimensions

6.1 Outline and installation dimensions CJX2F-115, 1154~330, 3304 see Fig. 2 and Table 4.



Outline and installation dimensions for CJX2F-115, 1154, 150, 1504, 185, 1854, 225, 2254, 265, 2654, 330, and 3304

	Table 4															ble 4					
Product model	а	р	Q	Q1	s	Φ	f	b	b1	М	Ν		L		Н		G 1	Z	Y	X <500	1 >500
CJX2F-115	167	37	29.5	60	15	M6	131	164	137	147	124	174	107	80	106-120	6.5	106	13. 5	44	10	15
CJX2F-1154	200. 5	37	29.5	60	15	M6	131	164	137	147	124	174	107	80	106-120	6.5	143	13.5	44	10	15
CJX2F-150	167	40	26	57.5	20	M8	131	171	137	150	124	174	107	80	106-120	6.5	106	13.5	44	10	15
CJX2F-1504	200. 5	40	25	55. 5	20	M8	131	171	137	150	124	174	107	80	106-120	6.5	143	13.5	44	10	15
CJX2F-185	172	40	29	59.5	20	M8	131	175	137	154	127	186	113. 5	80	106-120	6.5	111	13.5	44	10	15
CJX2F-1854	208.5	40	29	59.5	20	M8	131	175	137	154	127	186	113.5	80	106-120	6.5	151	13.5	44	10	15
CJX2F-225	172	48	21	51, 5	25	M10	131	199	137	172	127	186	$113 \cdot 5$	80	106-120	6· 5	111	13.5	44	10	15
CJX2F-2254	208. 5	48	17	47.5	25	M10	131	199	137	172	127	186	113.5	80	106-120	6.5	151	13.5	44	10	15
CJX2F-265	202	48	39	66.5	25	M10	147	203	145	178	147	217	141	96	110-120	6.5	142	21.5	38	10	15
CJX2F-2654	244. 5	48	34	66. 5	25	M10	147	203	145	178	147	217	141	96	110-120	6.5	190	16.5	38	10	15
CJX2F-330	214	48	43	74	25	M10	147	207	145	181	158	222	145	96	110-120	6.5	154. 5	20.5	38	10	15
CJX2F-3304	261	48	43	74	25	M10	147	207	145	181	158	222	145	96	110-120	6.5	202.5	20.5	38	10	15



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

				01				н.		М	N			c			dat		X1	
model	a	р	¥	QI	5	Ψ	1	U	DI	м	IN	C	L	u	01	n	Ψ1	I	< 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.







Table 5

Table 6

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

Product			0	01		æ			1.1	м	N	0		0			7	v	>	(1
model			Ŷ	Ψ1			I											I		>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																				
CJX2F-6304 CJX2F-8004	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.