



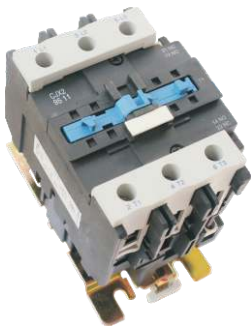
CJX2- 09



CJX2- 18



CJX2- 25

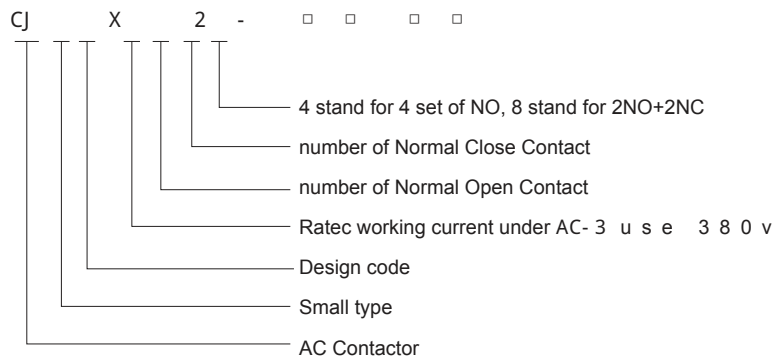


CJX2- 95

Application

CJX2 series AC contactor (hereinafter referred to as contactor), mainly used for AC 50Hz or 601-Hz, rated insulation voltage 690V, in the AC-3 use category rated operating voltage is 380V rated current to 620A circuit, for the far The distance is used for switching on and off circuits, and an electromagnetic starter can be formed with an appropriate thermal overload relay to protect the circuit from which an operational overload may occur. The contactor is suitable for frequently starting and controlling the AC motor. This product complies with GB14048.4 and IEC60947-4-1 standards.

Model and Refering


















Normal Working and Installation Conditions

- The ambient air temperature is: -5 °C ~ + 40 °C, the average value within 24 hours does not exceed +35 °C;
- Altitude: no more than 2000m;
- Atmospheric conditions: the relative humidity of the atmosphere does not exceed 50% at +40 ° C; higher relative humidity is allowed at lower temperatures, the monthly minimum temperature of the wettest month does not exceed 25 ° C, and the monthly average of the month is the largest The relative humidity does not exceed 90%, and measures must be taken for condensation on the product due to temperature changes;
- Pollution level: 3;
- Installation category: Class III;
- Installation conditions: the inclination of the mounting surface and the vertical plane is not more than ±5°;
- Shock vibration: The product should be installed and used in places where there is no significant shaking, shock and vibration.

Structure Feature

- 4.1 Auxiliary contact sets, air delay heads, thermal relays and other accessories can be installed in modular building to combine into a variety of derivative products (see Table 1).
- 4.2 AC contactor has the characteristics of small size, light weight, low power consumption, high life, safety and reliability;
- 4.3 The contactor body has a pair of normally open or normally closed auxiliary contacts at 32A and below, a pair of normally open and normally closed auxiliary contacts for 40A and above, and 115A and above product bodies without auxiliary contacts, and F4 can be added. F8 auxiliary contact set or air delay head and other accessories;
- 4.4 The contactor can be installed with 35mm [CjX2-09~95], 75mm[CJX2-40~95] and 2 x 35mm[CJX2-1 15~ 17] standard type rails in addition to the screw installation.

Types	Contactor	Auxiliary module	final	
time delay contactor		+  Air delay head		
Reversible contactor		+  Interlocking mechanism		
Magnetic starter		+  Thermal overload relay		
Switching capacitor contactor		+  CJ19 switching device		
Star triangle decompression starter		+  Air delay head	+  Auxiliary Contact	

Contactor Selection Guide (based on required electrical life)



CJX2- D115



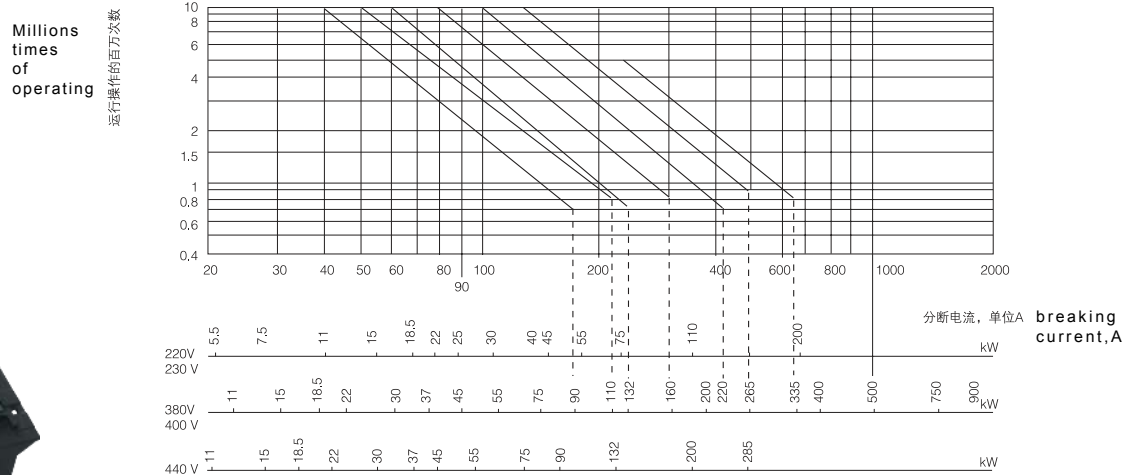
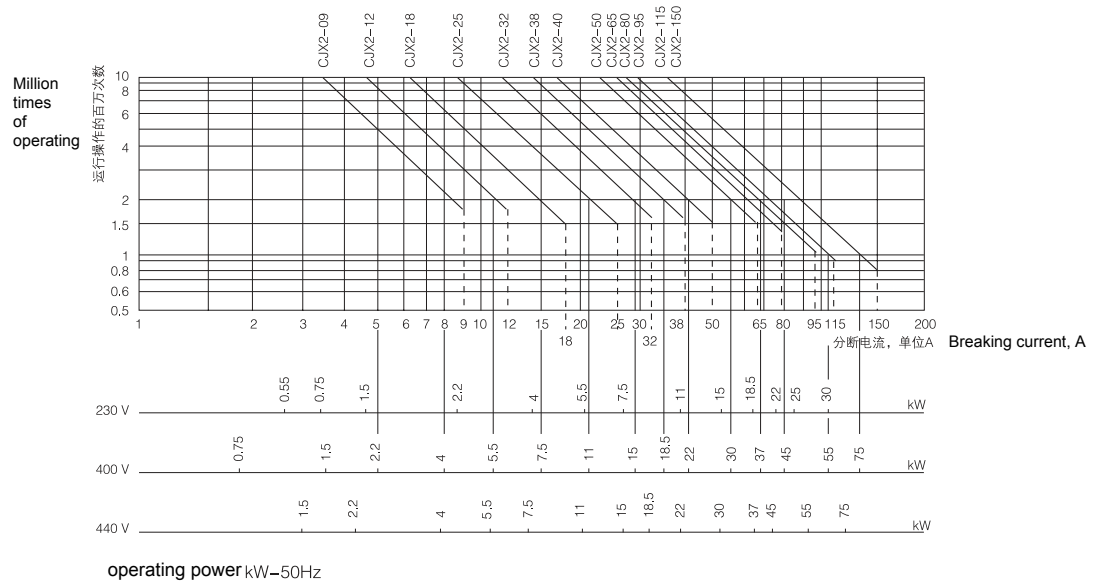
CJX2- D150



CJX2- D225

AC-3 use category ($U_e \leq 440V$)

The breaking current of the three-phase asynchronous squirrel cage motor breaking current is the rated running current of the motor.



For example: asynchronous motor $P = 5.5 \text{ kW}$ - $U_e = 400 \text{ V}$ - $I_e = 11 \text{ A}$ - $I_c = I_e = 11 \text{ A}$ or asynchronous motor $P = 5.5 \text{ kW}$ - $U_e = 415 \text{ V}$ - $I_e = 11 \text{ A}$ - $I_c = I_e = 11 \text{ A}$ requires 3 million operations. According to the above selection curve, the model of the contactor is required: CJX2-18.

Main Parameter and Technical Feature

Spec	Item		CJX2- 09	CJX2- 12	CJX21- 18	CJX2- 25	CJX2- 32	CJX2- 40	CJX2- 50	CJX2- 65	CJX2- 80	CJX2- 95
	Parameter											
Rated Working Current(A)	380V	AC- 3	9	12	18	25	32	40	50	65	80	95
		AC- 4	3 5	5	7.7	8.5	12	18.5	24	28	37	44
	660V	AC- 3	7	9	12	18	21	34	39	42	49	49
		AC- 4	1 5	2	3.8	4.4	7.5	9	12	14	17.3	21.3
Conventional heating current (A)			20	20	32	40	50	60	80	80	110	110
Rated Insulating Voltage (V)			690	690	690	690	690	690	690	690	690	690
Controllable three-phase squirrel cage motor power(kW) AC- 3	20V		2.2	3	4	5.5	7.5	11	15	18.5	22	25
	80V		4	5.5	7.5	11	15	18.5	22	30	37	45
	60V		5.5	7.5	10	15	18.5	30	33	37	45	55
Operating frequency	Electrical life	AC- 3	1200	1200	1200	1200	600	600	600	600	600	600
		AC- 4	300	300	300	150	150	150	150	150	150	150
	Mechanical life		3600	3600	3600	3600	3600	3600	3600	3600	2400	2400
Electrical life(million times)	AC- 3		100	100	100	100	80	80	60	60	60	60
	AC- 4		20	20	20	20	20	15	15	15	10	10
Mechanical life(million times)			1000	1000	1000	1000	800	800	800	800	600	600
Matching Fuse type			RT16- 16	RT16- 20	RT16- 25	RT16- 32	RT16- 50	RT16- 63	RT16- 63	RT16- 80	RT16- 100	RT16- 125
Average power consumption (VA) (20 °C)	Pull-in		76	76	76	110	110	230	230	230	230	230
	50Hz	Hold	9 4	9.4	9.4	11	11	32	32	32	32	32
each weight(Kg)		3 P NO/NC		Ø3 .	0.33	0.35	0.52	0.55	1.22	1.22	1.22	1.42
	4P(4 NO)		0.33	0.33	-	0.52	-	1.32	1.32	1.32	1.59	1.59
	4P(2NO 2NC)		0.33	0.33	-	0.52	-	1.37	1.37	1.37	1.65	1.65

Spec	Item		CJX2- 115	CJX2- 150	CJX21- 170	CJX2- 205	CJX2- 245	CJX2- 300	CJX2- 410	CJX2- 475	CJX2- 620
	Parameter										
Rated working Current(A)	380V	AC- 3	115	150	170	205	245	300	410	475	620
		AC- 4	50	65	70	80	100	124	150	185	225
	660V	AC- 3	86	107	118	130	170	225	235	290	360
		AC- 4	25	32	35	40	47	60	72	85	100
Conventional heating current (A)			200	200	200	275	275	380	450	580	800
Rated insulating voltage (V)			1000	1000	1000	1000	1000	1000	100	1000	1000
Controllable three-phase squirrel cage motor power (kW)AC-3	380V		55	75	85	90	110	160	200	250	335
	660V		80	90	100	110	129	220	280	330	450
Operating Frequency (times/hour)	Electrical life	AC- 3	600	300	300	600	600	600	300	300	300
		AC- 4	300	300	300	150	150	150	150	150	150
	Mechanical life		2400	2400	2400	2400	2400	2400	1200	1200	1200
Electrical life (million times)	AC- 3		40	40	40	50	50	50	30	30	20
	AC- 4		2	2	2	10	10	10	8	8	5
Mechanical life(million times)			300	300	300	300	300	300	100	100	100
Matching Fuse type			RT16- 160	RT16- 200	RT16- 250	RT16- 315	RT16- 315	RT16- 400	RT16- 500	RT16- 630	RT16- 630
Average power consumption (VA) (20 °C)	Pull-in		300	300	300	800	800	1200	1200	1250	1650
	50Hz	Hold	22	22	22	55	55	13	20	24	22
Each weight(Kg)		3P	2.08	2.08	2.08	4.6	4.7	8.5	8.5	10.8	17.4

6.2 Action characteristics: the pull-in voltage is: 85%Us~110%Us; the release voltage is: 20%Us~75%Us
6.3 Model specifications and basic parameters of the auxiliary contact set (see Table 4)

Table 4

Item		F4- 11	F4- 20	F402	F4- 40	F4- 31	F4- 22	F4- 13	F4- 04	F8- 11	F8- 20	备注
number of Contact	NO	1	2	0	4	3	2	1	0	1	2	
	NC	1	0	2	0	1	2	3	4	1	0	

brief picture



Rated insulation voltage: 690V
Control capacity: AC-15 80VA
C-13 3W
Conventional heating current: 10A

6.4 Ability to connect wires (minimum/maximum area) (Table 5, Table 6)

Table 5 unit: mm²

parameter	Item	CJX2-09	CJX2-12	CJX2-18	CJX2-25	CJX2-32	CJX2-40	CJX2-50	CJX2-65	CJX2-80	CJX2-95	CJX2-D115	CJX2-D150	CJX2-D170
Connection wire	1 根 1 wire	1/4	1/4	1.5/6	1.5/10	2.5/10	2.5/25	2.5/25	2.5/25	4/50	4/50	10/120		
	2 根 2 wire	1/4	1/4	1.5/6	1.5/6	2.5/10	2.5/16	2.5/16	2.5/16	4/25	4/25	10/120+10/50		
soft wire without terminal	1 wire	1/4	1/4	1/6	1/6	1/10	2.5/25	2.5/25	2.5/25	4/50	4/50	10/120		
	2 根 2 wire	1/2.5	1/2.5	1/4	1/4	1.5/6	2.5/10	2.5/10	2.5/10	4/16	4/16	10/120+10/50		
hard wire without terminal	1 根 1 wire	1/4	1.5/6	1.5/6	1.5/6	1.5/10	2.5/25	2.5/25	2.5/25	4/50	4/50	10/120		
	2 根 2 wire	1/4	1.5/6	1.5/6	1.5/6	2.5/10	2.5/16	2.5/16	2.5/16	4/25	4/25	10/120+10/50		
Terminal block screw size		M3.5	M3.5	M3.5	M4	M4	M8	M8	M8	M10	M10	M8		

Table 6

parameter	Item	CJX2- D205	CJX2- D245	CJX2- D300	CJX2- D410	CJX2- D475	CJX2- D620
Connection wire							
pieces of wire		1	1	1	2	2	2
Wire cross section (mm)		150	185	240	150	240	240
pieces of wire		2	2	2	2	2	2
copper bar (mm)		25 × 3	32 × 4	30 × 5	30 × 5	40 × 5	60 × 5
Connecting bolt		M8	M10	M10	M10	M10	M12

6.5 Coil rated control power supply voltage Ue and code (CJX2-09~170 is shown in Table 7, CJX2-205~620 is shown in Table 8))

Table 7

线圈代号	控制电压	24	36	48	110	127	220	240	380	415	440	480	500	600	660
频率															
50Hz		B5	C5	E5	F5	F5	M5	U5	Q5	N5	R5	-	S5	-	Y5
60Hz		B6	-	E6	F6	F6	M6	U6	Q6	N6	R6	T6	-	S6	-
50/60Hz		B7	-	E7	F7	F7	M7	-	Q7	N7	R7	-	-	-	-

Table 8

Coil code	Control voltage (V)	110	127	220	380	简图
Item						
CJX2- D205 、 245		FG110	FG127	FG220	FG380	
CJX2- D300		FH110	FH127	FH220	FH380	
CJX2- D410		FJ 110	FJ 127	FJ 220	FJ 380	
CJX2- D475		FK110	FK127	FK220	FK380	
CJX2- D620		FL110	FL127	FL220	FL380	

Outshell and Mounting Dimension



CJX2- 12004

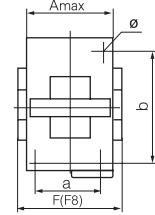
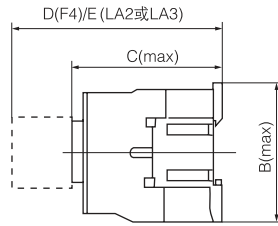


图1 JX2- 09 □B2



CJX2- 25004

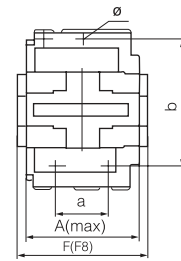
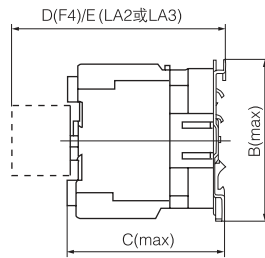


图2 JX2- 40 □95



CJX2- 65008

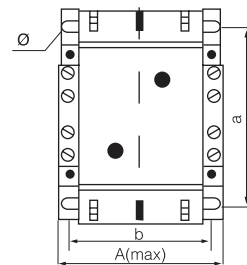
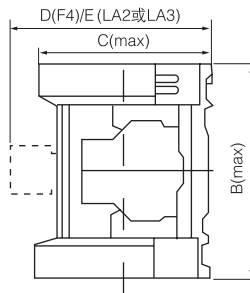


图3 JX2- D115 □170

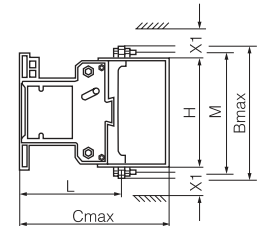
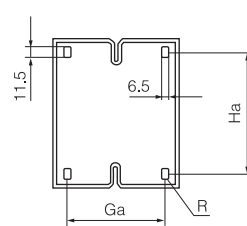
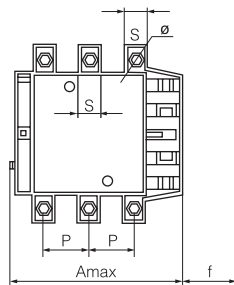


图4 JX2- D205 □300

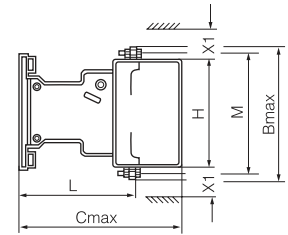
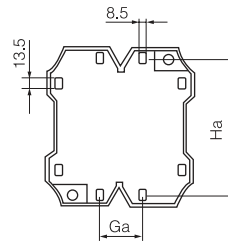
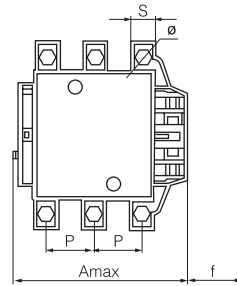


图5 JX2- 410 □475

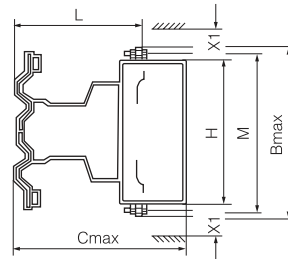
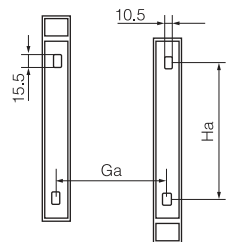
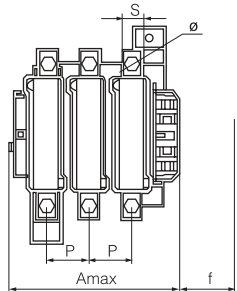


图6 JX2- 620

Table 9 (unit : mm)

Item	Amax	Bmax	Cmax	Dmax	Emax	Fmax	a	b	Φ
CJX2- 09 □12	47	76	82	115	135	73	35	50/60	4.5
CJX2- 18	47	76	87	120	140	73	35	50/60	4.5
CJX2- 25	57	86	95	128	149	83	40	50/60	4.5
CJX2- 32	57	86	100	133	154	83	40	50/60	4.5
CJX2- 4011 □6511	77	129	116	147	167	103	40	100/110	6.5
CJX2- 40004 □65004	85	129	115	150	168	113	40	100/110	6.5
CJX2- 40008 □65008	85	129	126	150	168	111	40	100/110	6.5
CJX2- 8011 □9511	87	129	127	155	175	113	40	100/110	6.5
CJX2- 80004 □95004	97	129	123	155	175	123	40	100/110	6.5
CJX2- 80008 □95008	97	129	134	155	175	123	40	100/110	6.5
CJX2- D115 □170	120	162	133	155	173	-	130	95/110	6.5

Table 10 (unit : mm)

Item	Amax	Bmax	Cmax	P	S	Φ	f	M	H	L	X1 ≤ 60V	X1 > 500V	Ga	Ha
C J X 2 - D 270 5 175	183	40	20	M8	131	154	127	113.5	10	15	80	106/119		
C J X 2 - D 270 5 175	183	48	25	M10	131	172	127	113.5	10	15	80	106/119		
C J X 2 - D 218 0 210	223	48	25	M10	147	181	158	145	10	15	96	106/119		
C J X 2 - D 215 0 210	223	48	25	M10	147	181	158	145	15	20	80	170/180		
C J X 2 - D 235 5 240	235	55	30	M10	150	208	172	146	15	20	80	170/180		
C J X 2 - D 310 0 304	257	80	40	M12	181	264	202	155	20	30	180	180/190		

Note: a.f: The small distance required to take out each coil.

X1: Arcing distance determined based on operating voltage and breaking capacity.

Ordering Instruction

When ordering, it must be pointed out: product model name, coil working voltage and frequency, quantity
example: AC contactor CJX2-40 AC 220V 50Hz 60 sets.