

Product Contents AC contactor Series





Brief Introduction

Yueqing Wanlian Electric Co., Ltd was founded in 1998. It is an all-embracing style developing enterprise, integrating research, designing, manufacturing, shipping & storing and marketing. We are consistently taking efforts to meet different demands from society; supplying customers with technology-advanced and cost-competitive contactors. Through more than 15 years' hard work, brand "YQWL" with their all series products, are both enjoying high reputation in market and competitors in the same Business line. We are very proud in winning customers' trust and high opinion.

In the past 15 years, sticking to the core ideology "pragmatic, innovative, honest, customer-oriented", we have been successfully maintaining the core competitiveness of brand "YQWL" in the market constantly recruiting technical talents in all disciplines, Increasing the investment in automation devices and other software & hardware equipments, upgrading of administrative and services system and funding in the innovation and improvement in technology.

Quality is the basis for the developing of a company. We never neglect in the monitoring of each stage in procession. From the procession of components to the storage & shipping, all the key operations are under our strict and high efficient safeguard system.

With the developing and improving of our company, our company has gained ISO9001, CCC, CE, CB certificates. And most of our products have obtained patent. It is the approval for the efforts of "WANLIAN PEOPLE" and is the cornerstone for the future development of the company as well.

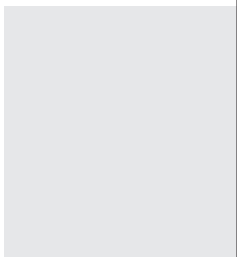
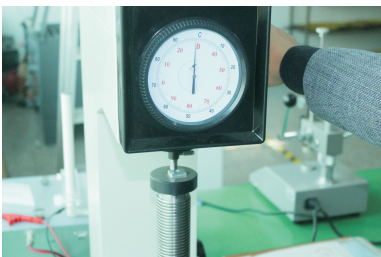
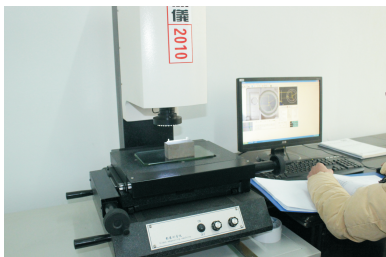
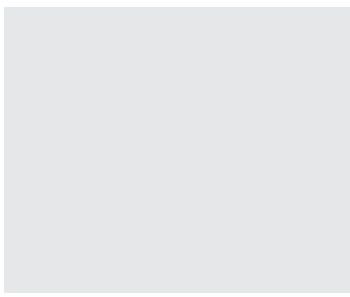
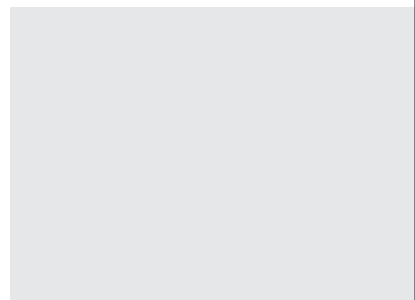
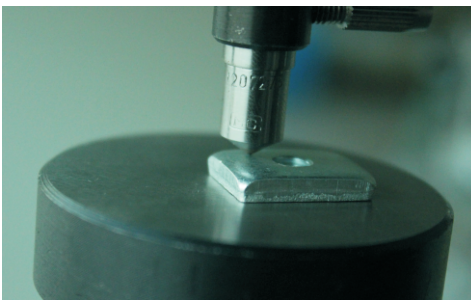
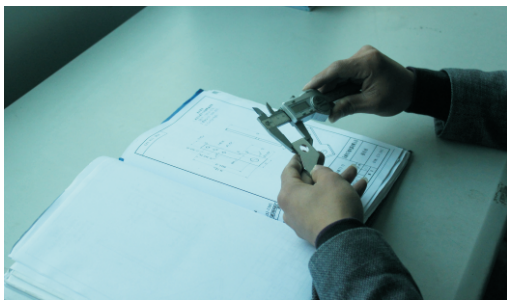
Today's "YQWL" has the sales net covering more than 20 provinces. And in the worldwide, we have partners in Southeast Asia, Middle East, South Africa, and Europe and so on.

There is still a long way to go. We will take our constant efforts as we did in the past year.



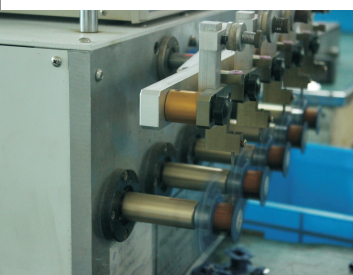
Advanced production equipment · excellence

Effective communication business organization, coordination is a healthy manifestation of corporate culture and improve the enterprise system. Wanlian who deeply understand their fate is closely linked with the development of enterprises, and only gather together in order to create a Support real fighting team.



YQWL[®] YUEQING WANLIAN ELECTRIC
We only produce the contactors

POWER Let us lead the industry
Use of the creative thinking and advanced technology,
innovation, and improve service levels



YQWL[®] YUEQING WANLIAN ELECTRIC
We only produce the contactors



CIX2-F1250



Modular Contactor

Product Contents

We only produce the contactors

WCT contactors	01
CJX2–K Series AC contactor	09
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CJ19 Series Changeover Capacitor Contactor	38
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EN 61095, IEC1095



WCT contactors are available in two versions:

- Contactors without manually-operated
- Contactors with manually-operated.

The breadth of the iCT contactor range satisfies most application cases.
WCT contactors can be combined with auxiliary control, protection and indication functions.

Contactors

WCT 2P



manual control

WCT 4P



- WCT contactors can be used to remote control applications in alternative networks:
 - lighting, heating, ventilation, roller blinds, sanitary hot water
 - mechanical ventilation systems, etc
 - load-shedding of non-priority circuits

Contactors



Indication WCTs

- This auxiliary allows indication or control of the "open" or "closed" position of the contactor power contacts



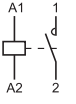
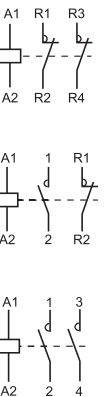
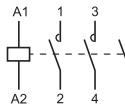
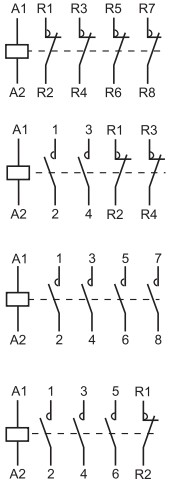
Dual control WCTc

- Used to control a contactor in impulse-type mode or to combine latched or impulse-type control orders

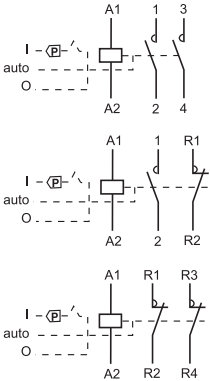
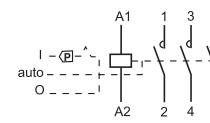
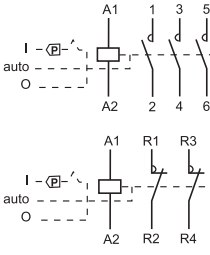
Contactors auxiliaries

Choice of 50 Hz contactors						
Type	Contactor					
Rating A	16	20	25	40	63	100
Auxiliaries						
WCTs indication auxiliary	Yes	Yes	Yes			
WCTc control auxiliary By yellow clips	No	No	No			

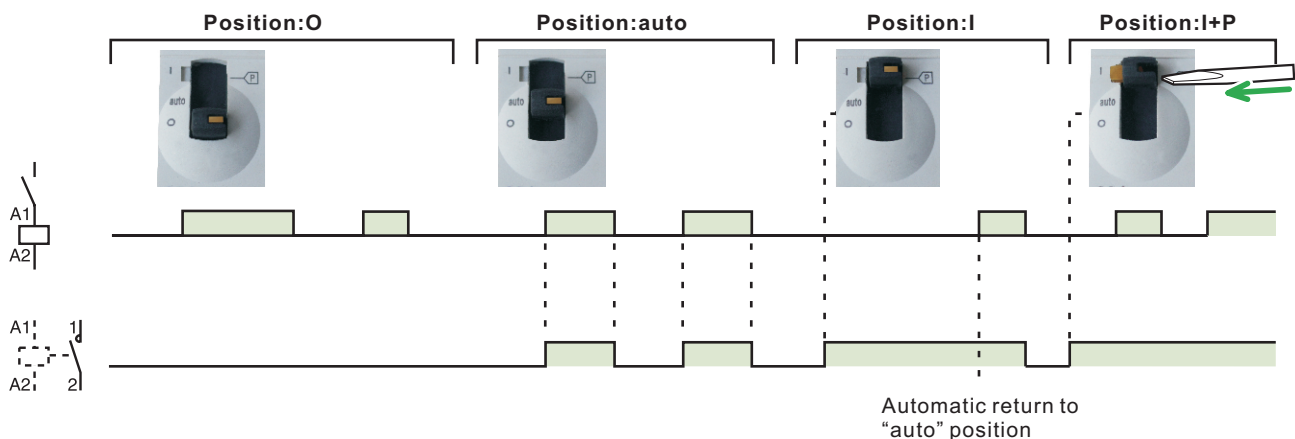
Catalogue numbers

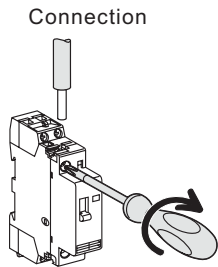
WCT contactors-50Hz					
Type					Width in 9 mm modules
1P	Rating(In) AC7a	AC7b	Control voltage (VAC)(50Hz)	Contact	
	16A	6A	12	1NO	2
			24	1NO	2
			48	1NO	2
			220	1NO	2
			230...240	1NO	2
	25A	8.5A	220	1NO	2
			230...240	1NO	2
2P					
	16A	6A	12	2NO	2
			24	2NO	2
			48	2NO	2
			220	2NO	2
			230...240	2NO	2
	20A	6A	12	1NO+1NC	2
			14	1NO+1NC	2
			220	1NO+1NC	2
			230...240	1NO+1NC	2
			230...240	2NO	2
	25A	8.5A	24	2NO	2
			48	2NO	2
			220	2NO	2
			230...240	2NO	2
			220	2NC	2
	40A	15A	230...240	2NC	2
			220...240	2NO	4
			24	2NO	4
			220...240	2NO	4
			220...240	2NO	6
3P					
	16A	6A	220...240	3NO	4
	25A	8.5A	220...240	3NO	4
	40A	15A	220...240	3NO	6
	63A	20A	220...240	3NO	6
4P					
	16A	6A	24	4NO	4
			220...240	4NO	4
			220...240	2NO+2NC	4
	20A	6A	220...240	4NO	4
			24	4NO	4
			220...240	4NO	4
	25A	8.5A	24	4NC	4
			220...240	4NC	4
			220...240	2NO+2NC	4
	40A	15A	220...240	4NO	6
			220...240	4NC	6
			24	4NO	6
	63A	20A	220...240	4NO	6
			24	4NC	6
			220...240	4NC	6
	100A		220...240	2NO+2NC	6
			220...240	3NO+1NC	6
			220...240	4NO	12

Catalogue numbers

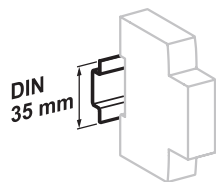
WCT manual control contactor 50 Hz					
Type					Width in 9 mm modules
2P 	Rating(In) AC7a	AC7b	Control voltage (V AC)(50 Hz)	Contact	
	16A	6A	220	2NO	2
			230...240	2NO	2
			220	1NO+1NC	2
			230...240	1NO+1NC	2
	25A	8.5A	24	2NO	2
			24	2NC	2
			220	2NO	2
			230...240	2NO	2
	40A	15A	24	2NO	2
			220...240	2NO	4
	63A	20A	24	2NO	4
			220...240	2NO	4
3P 	25A	8.5A	220...240	3NO	4
	40A	15A	220...240	3NO	6
4P 	25A	8.5A	24	4NO	4
			24	4NC	4
			220...240	4NO	4
	40A	15A	24	4NO	6
			24	4NC	6
			220...240	4NO	6
	63A	20A	24	4NO	6
			220...240	4NO	6

Operation(Manual control contactor)

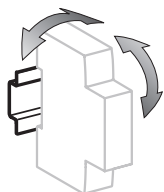




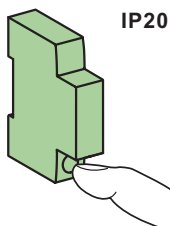
Type	Rating	Length tripping	Circuit	Tightening torque	Copper cables	
					Rigid	Flexible or ferrul
WCT	PZ1:4 mm	16-100A	Control	0.8N.m		
		16 and 25A			1.5to 2.5mm: 2 × 1.5mm ²	1.5to 2.5mm: 2 × 2.5mm ²
	PZ2:6 mm	40A-63A	Power	3.5N.m	1.5to 6mm ²	1to 4mm ²
		100A			6 to 25 mm ²	6 to 16 mm ²
WCTc	PZ1:4mm	-	-	0.8N.m	6 to 35mm ²	6 to 35mm ²
					1.5to 2.5mm: 2 × 1.5mm ²	1.5to 2.5mm: 2 × 2.5mm ²



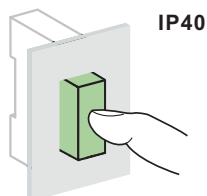
Clip on DIN rail 35 mm.



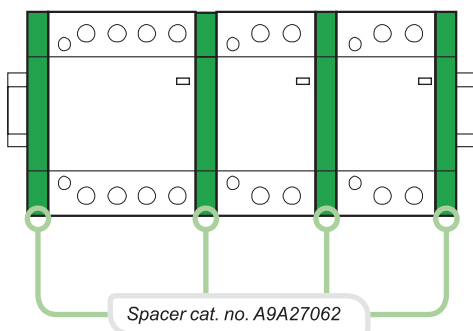
± 30° vertical.



IP20



IP40



Technical data

Power circuit

Voltage rating(Ue)	1P,2P	250V AC
	3P,4P	400V AC
Frequency	50Hz or 60Hz	

Endurance(O-C)

Electrical	100,000 cycles
Maximum number of switching operation a day	100

Additional characteristics

Insulation vwltage(Ui)		500 V AC
Pollution degree		2
Rated impulse withstand voltage(Uimp)		2.5kV(4 kV for 12/24/48V AC)
Degree of protection (IEC 60529)	Device only	IP20
	Device in modular enclosure	IP40
Operating temperature		-5℃to+60℃ ^①
Storage temperature		-40℃to+70℃
Tropicalization(IEC 60068-1)		Treatment 2(relative humidity 95% at 55℃
ELSV compliance(Extra Low Safety Voltage)for 12/24/48vac versions		
The product control conforms to the SELV(safety extra low voltage)requirements		

(1)In the case of contactor mounting in a enclosure for which the interior temperature is in range between 50°Cand 60°C,it is necessary to use a spacer, between each contactor

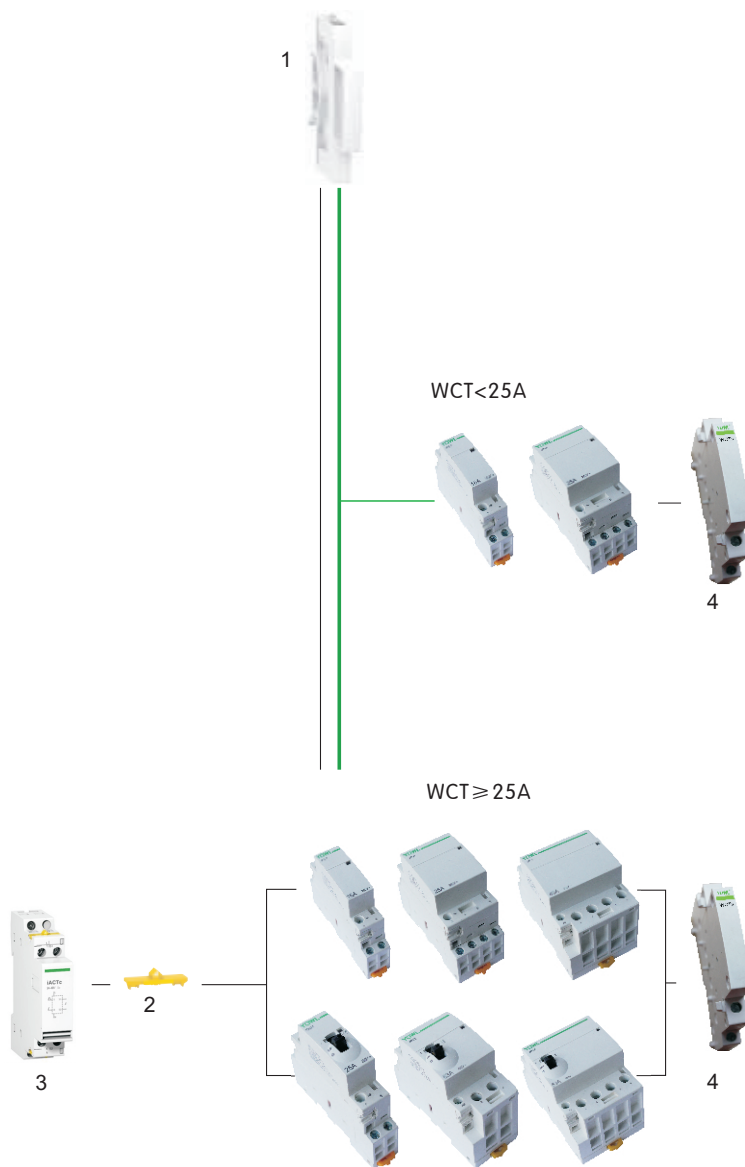
Mounting accessories

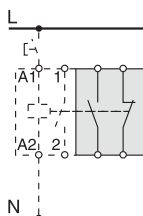
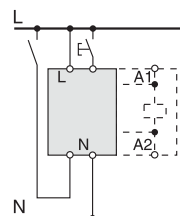
- | | |
|---|--------------|
| 1 | 9 mm spacer |
| 2 | Yellow clips |

Auxiliaries

Indication

	1NO+1NC
3 WCTs	1CO
	2NO
Double control inputs	
4 WCTc	230VAC
	24VAC



	Indication		Control	
Auxiliaries	WCTs		WCTc	
Type	Indication		Impulse/latched control	
	With Open/Close auxiliary contact			
				
Function	● This auxiliary allows indication of the "open" or "closed" position of the contactor power contacts		● This auxiliary, combined with contactors, enables them to be controlled by 2 order types: ● impulse order for local control(input T) ● latched order for centralised control (input X) ● the last order received takes priority	
Wiring diagrams				
Mounting	● Mounted to the right of WCT		● Mounted to the left of WCT by yellow clips ⁽¹⁾	
			● Mains power outages: ○ <1 s: keeps its initial status ○ ≥5 s: reset ○ put back into operation by manual operation on input X or T. ● Minimum impulse duration: 250 ms	
Technical specifications				
Control voltage	VAC	24...240	230...240	24...48
(Ue)	VDC	24...130	-	
Operating frequency	Hz	50/60	50/60	
Width in 9 mm modules			2	
Auxiliary contact (breaking capacity)		● Minimum: 10mA at 24V DC/AC-COSφ=1 ● Maximum: ○ 5A at 240V AC-COSφ=1 ○ 1 A at 130V DC	-	
Number of contacts		1NO+1NC	-	
Operating temperature	°C	-5°C to +50°C		
Storage temperature	°C	-40°C to +70°C		

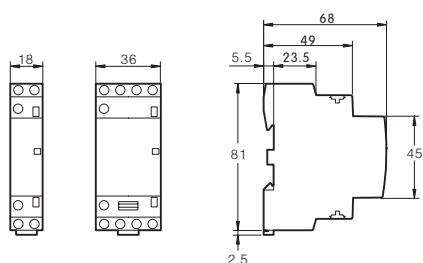
Consumption

WCT contactors-50Hz

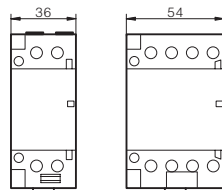
Type

1P	Rating(In)		Control voltage (V AC)(50 Hz)	Consumption		Max. power
	AC7a	AC7b		Holding	Inrush	
	16A	5A	12	3.8VA	15VA	1.3W
			24	3.8VA	15VA	1.3W
			48	3.8VA	15VA	1.3W
			220	3.8VA	15VA	1.3W
			230...240	2.7VA	9.2VA	1.2W
	25A	8.5A	220	3.8VA	15VA	1.3W
			230...240	2.7VA	9.2VA	1.2W
2P						
	16A	5A	12	3.8VA	15VA	1.3W
			24	3.8VA	15VA	1.3W
			48	3.8VA	15VA	1.3W
			220	3.8VA	15VA	1.3W
			230...240	2.7VA	9.2VA	1.3W
	20A	6.4A	12	3.8VA	15VA	1.3W
			24	3.8VA	15VA	1.3W
			220	3.8VA	15VA	1.3W
			230...240	2.7VA	9.2VA	1.2W
	25A	8.5A	24	3.8VA	15VA	1.3W
			48	3.8VA	15VA	1.3W
			220	3.8VA	15VA	1.3W
			230...240	2.7VA	9.2VA	1.2W
			220	3.8VA	15VA	1.3W
	40A	15A	230...240	2.7VA	9.2VA	1.2W
	63A	20A	24	4.6VA	34VA	1.6W
			220...240	4.6VA	34VA	1.6W
	100A	-	220...240	6.5VA	53VA	2.1W
3P						
	16A	5A	220...240	4.6VA	34VA	1.6W
	25A	8.5A	220...240	4.6VA	34VA	1.6W
	40A	15A	220...240	6.5VA	53VA	2.1W
	63A	20A	220...240	6.5VA	53VA	2.1W
4P						
	16A	5A	24	4.6VA	34VA	1.6W
			220...240	4.6VA	34VA	1.6W
			220...240	4.6VA	34VA	1.6W
	20A	6.4A	220...240	4.6VA	34VA	1.6W
	25A	8.5A	24	4.6VA	34VA	1.6W
			220...240	4.6VA	34VA	1.6W
			24	4.6VA	34VA	1.6W
			220...240	4.6VA	34VA	1.6W
	40A	15A	220...240	4.6VA	34VA	1.6W
			220...240	4.6VA	34VA	1.6W
	63A	20A	24	6.5VA	53VA	2.1W
			220...240	6.5VA	53VA	2.1W
			24	6.5VA	53VA	2.1W
			220...240	6.5VA	53VA	2.1W
			220...240	6.5VA	53VA	2.1W
	100A	-	220...240	13VA	106VA	4.2W

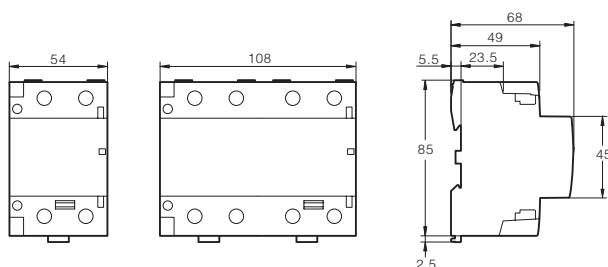
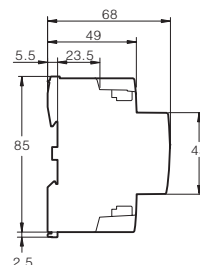
Dimensions(mm)



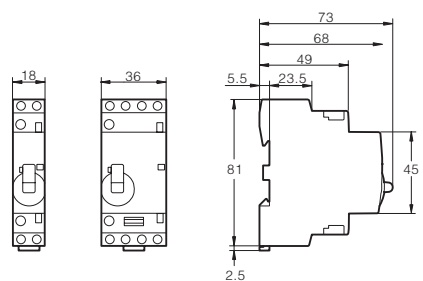
WCT16/25A



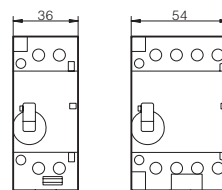
WCT 40/63A



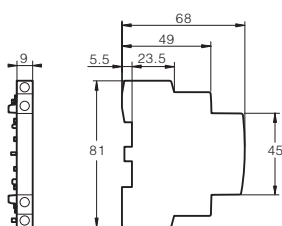
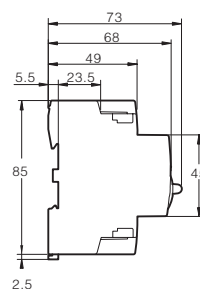
WCT 100A



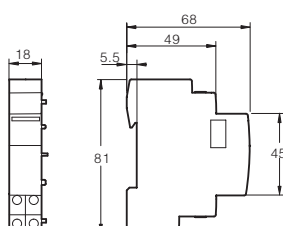
WCT manual control contactor 16/25A



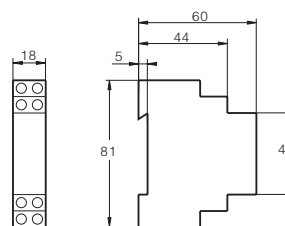
WCT manual control contactor 40/63A



WCTs



WCT24



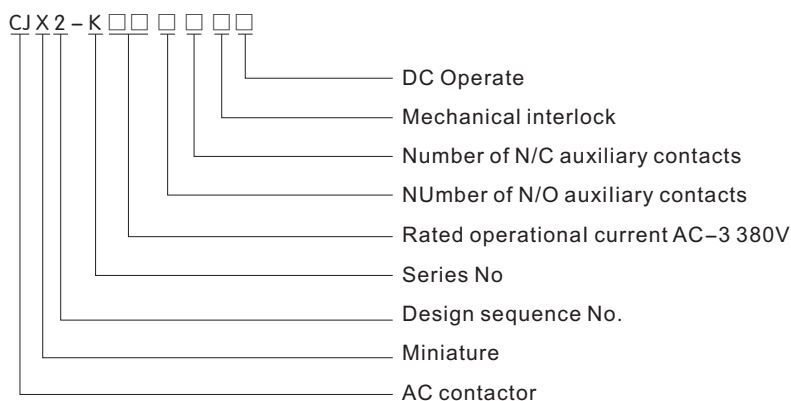
WCTc



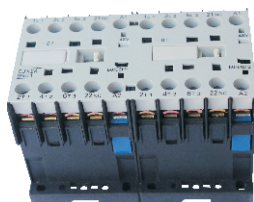
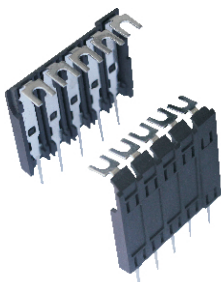
APPLICATION

CJX2 series AC contactor(hereinafter to be referred as contactor), it mainly applies to the circuit of AC 50Hz/60Hz, and rated insulation voltage 660V. Combined with proper thermal overload relay can protect load circuit. Contactor can fre-quently start and control AC electromotor. This product conforms to GB 14048.4、IEC60947-4-1 standard.

MODEL AND MEANING



NORMAL RUNNING AND INSTALLATION CONDITIONS



- Ambient air temperature:-5℃~+40℃, the average value should not exceed+35℃ within 24 hours.
- Elevation: At most 2000m.
- Atmospheric conditions:When the temperature at 40, the relative humidity of atomsphere should de at the most 50%. When at relatively low thmperatures, it could have higher relative humidity. Monthly maximum relative humidity could be not more than 90%. Special measures should be taken due to occurrence of dews.
- Class of pollution:Class 3
- mstallation category. III
- Installation conditions: Degree of inclination between fitting surface and verical surface should not exceed $\pm 30^\circ$
- Impact shock: Product should be installed and used in the place where often shakes and impacts.

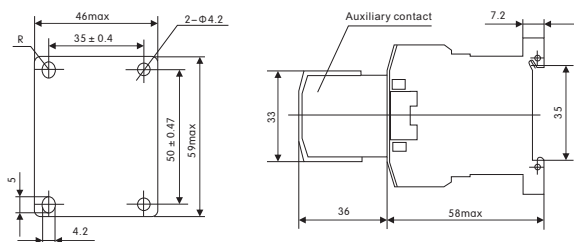
MAIN TECHNICAL PARAMETER

Parameter Item	Model	CJX2-K06	CJX2-K09
Rated operational current(A) AC-3/AC-4	380V	6	9
	660V/690V	3.8	5
Rated insulation voltage(V)		690	690
Conventional heating current(A)		20	20
Power of controllable3-phase squirrel-cage motor(kW) AC-3	220V	1.5	2.2
	380V	2.2	4
	660V/690V	3	4
Operational frequency (Operations/h)	Electric life AC-3	1200	1200
	AC-4	300	300
	Mechanical life	3600	3600
Electric life (10 ⁴ operations)	AC-3	120	120
	AC-4	2.5	2.5
Mechanical life(10 ⁴ operations)		1000	1000
Auxiliary Contact		CJX2-K20 CJX2-K02 CJX2-K11 CJX2-K40 CJX2-K31 CJX2-K22 CJX2-K13 CJX2-K04	CJX2-K20 CJX2-K02 CJX2-K11 CJX2-K40 CJX2-K31 CJX2-K22 CJX2-K13 CJX2-K04
	Conventional heating current(A)	10A	10A
	Conventional heating current(A)	AC-15 360VA;DC-13 33W	AC-15 360VA;DC-13 33W
	Equipped with fuse Model	Control capacity RT16-16	RT16-20
	Coil Power (VA)	Pick 30 Keeping 4.5	30 4.5
		CJX2-K06	CJX2-K09
Root number	1	1	
Conductor (mm ²)	2.5	2.5	
Terminal screw size	M3	M3	
Tightening torque (N · m)	0.5	0.5	

Structural features

- has advanced structure, small size, light weight, low power consumption, high life, safety and reliability, technical performance characteristics.
- can be used to install modular mounting auxiliary contact group, attachments, etc. combined into a variety of thermal relay derived products.
- In addition to the contactor mounting screws, but also with a standard 35mm rail mounting.
- contactor core and the contact with the mounting surface parallel to the direction of motion.

Overall and installation dimensions

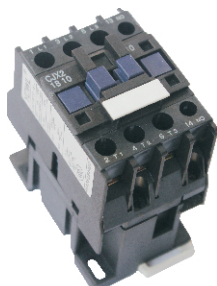


Ordering Information

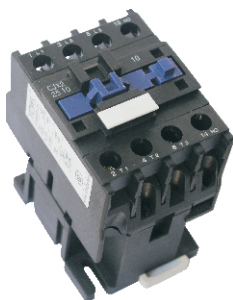
- It must be noted when ordering:
- Contactor full name, model;
- Coil rated voltage and frequency or specification code;
- number of orders.
- Ordering example: CJX2-0910 AC contactor coil voltage 220V 50Hz 10 units CJX2-22 5 只.



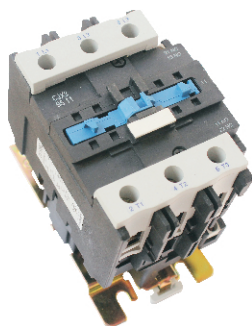
CJX2-09



CJX2-18



CJX2-25



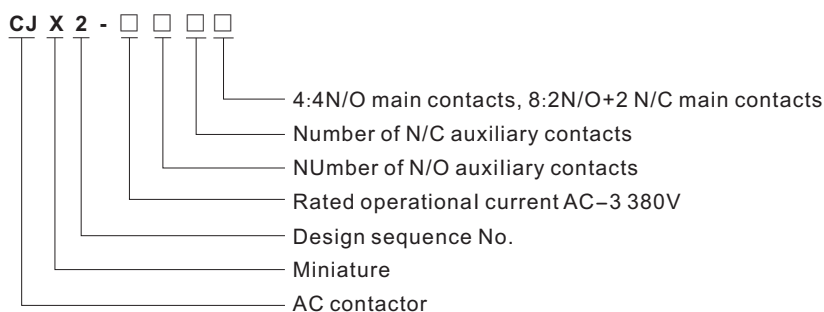
CJX2-95

APPLICATION

CJX2 series AC contactor(hereinafter to be referred as contactor), it mainly applies to the circuit of AC 50Hz/60Hz, and rated insulation voltage 660V. When used in AC-3, and rated operational voltage is 380V, rated current up to 620A, for long distance breaking circuit and frequently starting or control the motor. Combined with proper thermal overload relay can protect load circuit. Contactor can frequently start and control AC electromotor.

This product conforms to GB 14048.4、IEC60947-4-1 standard.

MODEL AND MEANING



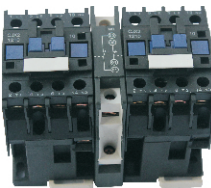
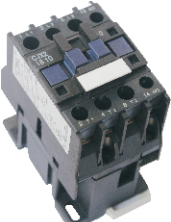
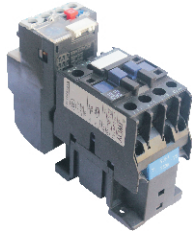
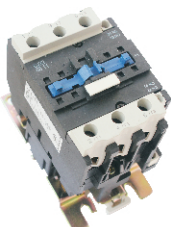
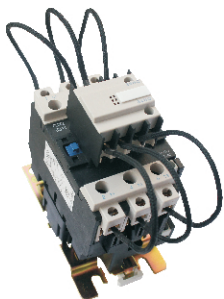
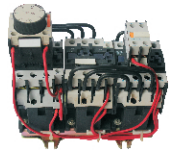
NORMAL RUNNING AND INSTALLATION CONDITIONS

- Ambient air temperature: -5℃~+40℃, the average value should not exceed +35℃ within 24 hours.
- Elevation: At most 2000m.
- Atmospheric conditions: When the temperature at 40, the relative humidity of atmosphere should be at the most 50%. When at relatively low temperatures, it could have higher relative humidity. Monthly maximum relative humidity could be not more than 90%. Special measures should be taken due to occurrence of dews.
- Class of pollution: Class 3
- Installation category: III
- Installation conditions: Degree of inclination between fitting surface and vertical surface should not exceed $\pm 5^\circ$
- Impact shock: Product should be installed and used in the place where often shakes and impacts.

CONSTRUCTION FEATURES

- Adopt building block system to mount auxiliary contactor block, air delay auxiliary contactor, thermal overload relay and so on, which can be combined into multiple derived series product.
- Contactor has the advantage of Small volume, light, low consumption, high life, good safety.
- Main contactor below 32A has 1 N/C or 1 N/O, there is 1 N/C and 1 N/O above 40A. Contactor can be assembled with F4、F8 auxiliary contact or Time-delay block.
- Contactor can not only use screw mounting, but also use 35mm [CJX-09~95] , 75mm [CJX-40~95] and 2 × 35mm [CJX2-D115~170] international standard Din-rail mounting .

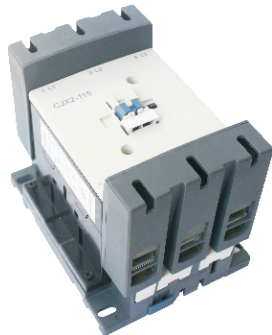
Table 1

Derived Code	Contactor	Auxiliary Blocks	Picture
Time-delay Contactor		+  →	
Reversing Contactor		+  →	
Magnetic Starter		+  →	
Changeover capacitor contactor		+  →	
Star-delta Starter		+  +  →	

GUIDANCE FOR SELECTION OF CONTACTOR (CHOOSING IT BY REQUIRED ELECTRICAL LIFE)

AC-3 Utilization category

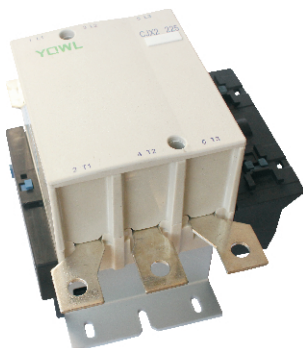
THREE PHASE ASYNCHRONOUS squirrel-cage motor breaking current under AC-3 Utilization category, it is motor rated running current



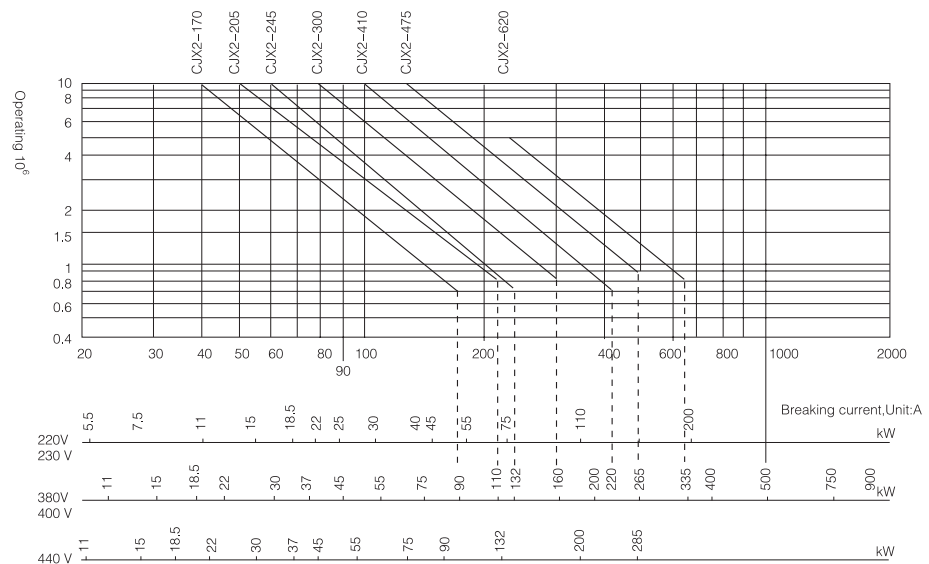
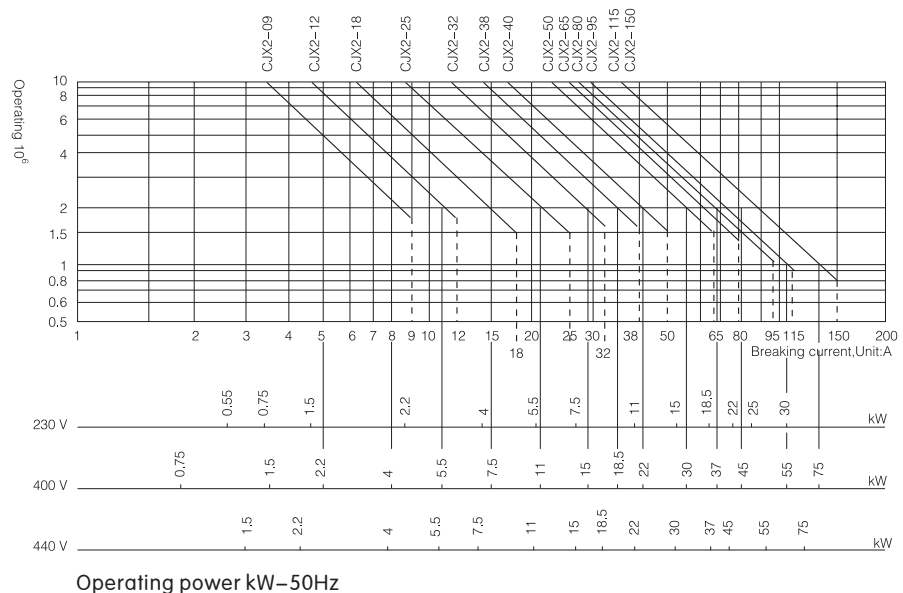
CJX2-D115



CJX2-D150



CJX2-D225



For example: asynchronous motor P=5.5KW-U_e=400V-I_e=11A-I_c=I_e=11A or asynchronous motor P=55KW-U_e=415V-I_e=11A-I_c=I_e=11A needs 3000000 operations. According to above curves, the corresponding contactor model is : CJX2-18

MAIN TECHNICAL PARAMETER

Item	Model Parameter		CJX2-09	CJX2-12	CJX21-18	CJX2-25	CJX2-32	CJX2-40	CJX2-50	CJX2-65	CJX2-80	CJX2-95
Rated operational 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 insulation voltage(V)			690	690	690	690	690	690	690	690	690	690
Power of controllable 3-phase squirrel- cage motor(kW) AC-3	220V	2.2	3	4	5.5	7.5	11	15	18.5	22	25	
	380V	4	5.5	7.5	11	15	18.5	22	30	37	45	
	660V	5.5	7.5	10	15	18.5	30	33	37	45	55	
Operational Electric life frequency (Operations/h)	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	3600	2400	2400
Electric life (10 ⁴ operations)	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(10 ⁴ operations)		1000	1000	1000	1000	800	800	800	800	800	600	600
Matching fusing model		RT16-16	RT16-20	RT16-25	RT16-32	RT16-50	RT16-63	RT16-63	RT16-80	RT16-100	RT16-125	
Average power consumption(VA) 50Hz (20℃)	Pick-up	76	76	76	110	110	230	230	230	230	230	
	Holding	9.4	9.4	9.4	11	11	32	32	32	32	32	
Unit weight(Kg)	3P+NO/NC		0.33	0.33	0.35	0.52	0.55	1.22	1.22	1.22	1.42	1.42
	4P(4N/O)		0.33	0.33	-	0.52	-	1.32	1.32	1.32	1.59	1.59
	4P(2N/O+2N/C)		0.33	0.33	-	0.52	-	1.37	1.37	1.37	1.65	1.65

Item	Parameter	Model	CJX2-115	CJX2-150	CJX21-170	CJX2-205	CJX2-245	CJX2-300	CJX2-410	CJX2-475	CJX2-620
Rated operational 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 insulation voltage(V)			1000	1000	1000	1000	1000	1000	100	1000	1000
Power of controllable 3-phase squirrel-cage motor (kW) AC-3	380V	55	75	85	90	110	160	200	250	335	
	660V	80	90	100	110	129	220	280	330	450	
Operational frequency (Operations/h)	Electric 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
Electric life (10 ⁴ operations)	AC-3	40	40	40	50	50	50	30	30	20	
	AC-4	2	2	2	10	10	10	8	8	5	
Mechanical life(10 ⁴ operations)			300	300	300	300	300	300	100	100	100
Matching fusing model			RT16-160	RT16-200	RT16-250	RT16-315	RT16-315	RT16-400	RT16-500	RT16-630	RT16-630
Average power consumption(VA)50Hz (20℃)	Pick-up	300	300	300	800	800	1200	1200	1250	1650	
	Holding	22	22	22	55	55	13	20	24	22	
Unit weight(Kg)	3P	2.08	2.08	2.08	4.6	4.7	8.5	8.5	10.8	17.4	

Operating characteristic: pick-up voltage:85%Us~110%Us; drop-out voltage:20%Us~75%Us
Model and basic parameters of Auxiliary contact(Table 4)

Table 4

Model		F4-11	F4-20	F402	F4-40	F4-31	F4-22	F4-13	F4-04	F8-11	F8-20	Notes	
Number of Auxiliary contact	NO	1	2	0	4	3	2	1	0	1	2		
	NC	1	0	2	0	1	2	3	4	1	0		
Photo													Rated insulation voltage: 690V Control capacity:AC-15 380VA DC-13 33W Conventional heating current:10A

Cable connection(min/larget cross-sectional area)Table5, Table6

Table 5(Unit:mm²)

Parameter	Model	CJX2-09	CJX2-12	CJX2-18	CJX2-25	CJX2-32	CJX2-40	CJX2-50	CJX2-65	CJX2-80	CJX2-95	CJX2-115	CJX2-150	CJX2-170
Cable connection	a cable	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		
	two cables	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		
Flexible cable with terminal	a cable	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		
	two cables	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		
Inflexible cable without terminal	a cable	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		
	two cables	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		
Screw size		M3.5	M3.5	M3.5	M4	M4	M8	M8	M8	M10	M10	M8		

Table 6

Parameter	Model	CJX2-205	CJX2-245	CJX2-300	CJX2-410	CJX2-475	CJX2-620
Cable connection							
Number of piece		1	1	1	2	2	2
Wire cross-sectional(mm ²)		150	185	240	150	240	240
Number of piece		2	2	2	2	2	2
Cu busbar(mm)		25×3	32×4	30×5	30×5	40×5	60×5
Bolt connection		M8	M10	M10	M10	M10	M12

Control voltage(Ue)and code of coil(CJX2-09~170 Table 7, CJX2-205~620 Table 8)

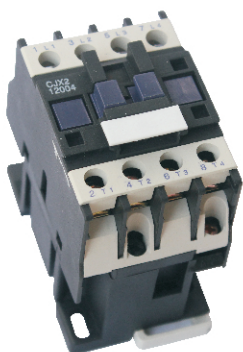
Table 7

Coil code	Control voltage	24	36	48	110	127	220	240	380	415	440	480	500	600	660
Frequency															
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	Photo
Model						
CJX2-205、245		FG110	FG127	FG220	FG380	
CJX2-300		FH110	FH127	FH220	FH380	
CJX2-410		FJ110	FJ127	FJ220	FJ380	
CJX2-475		FK110	FK127	FK220	FK380	
CJX2-620		FL110	FL127	FL220	FL380	

OVERALL AND MOUNTING DIMENSIONS



CJX2-12004

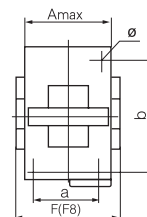
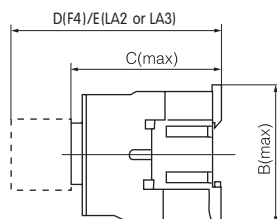


Photo1 CJX2-09~32

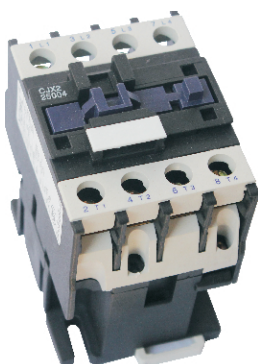
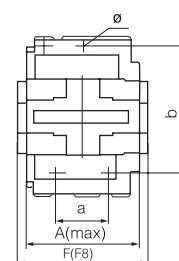
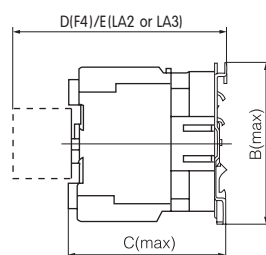


Photo2 CJX2-40~95



CJX2-25004

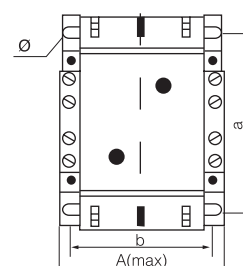
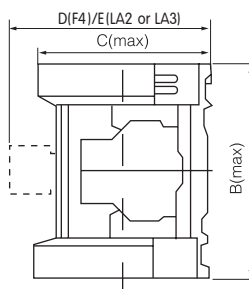
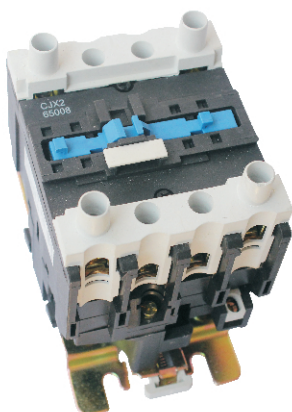


Photo3 CJX2-115~170



CJX2-65008

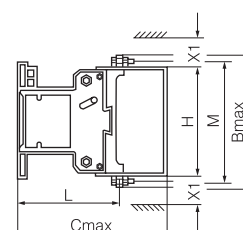
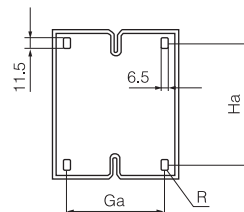
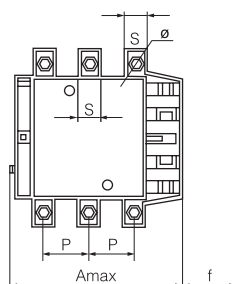


Photo4 CJX2-205~300

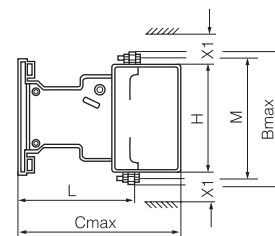
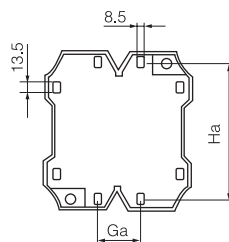
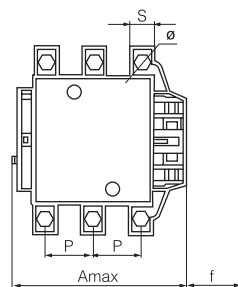


PHOTO5 CJX2-410~475

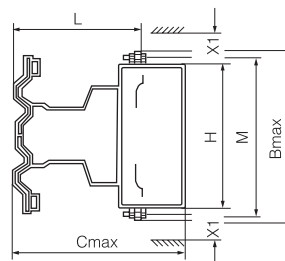
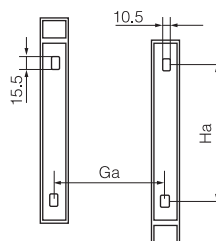
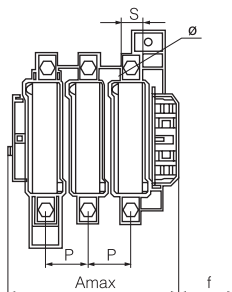


Photo6 CJX2-620

Table 9(Unit:mm)

Model	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
CJX2-115~170	120	162	133	155	173	-	130	95/110	6.5

Table 10(Unit:mm)

Model	Amax	Bmax	Cmax	P	S	Φ	f	M	H	L	X1≤500V	X1>500V	Ga	Ha
CJX2-205	170	175	183	40	20	M8	131	154	127	113.5	10	15	80	106/119
CJX2-245	170	175	183	48	25	M10	131	172	127	113.5	10	15	80	106/119
CJX2-300	218	210	223	48	25	M10	147	181	158	145	10	15	96	106/119
CJX2-410	215	210	223	48	25	M10	147	181	158	145	15	20	80	170/180
CJX2-475	235	240	235	55	30	M10	150	208	172	146	15	20	80	170/180
CJX2-620	310	304	257	80	40	M12	181	264	202	155	20	30	180	180/190

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

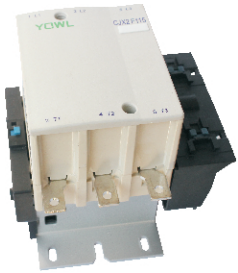
B X1: Confirm flashover distance according to working volt and breaking capacity

ORDERING INSTRUCTIONS

When ordering, you should point out the below:

1.product name and model, rated operational voltage and frequency for coil, order quantity.

Ordering example:CJX2-40 AC 220V 50Hz 60PCS



CJX2-F115



CJX2-F265



CJX2-F630

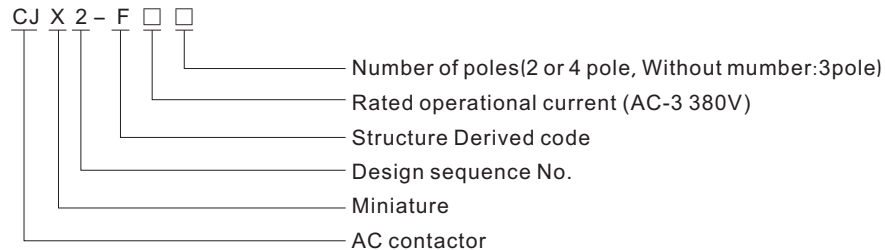


CJX2-F1250

APPLICATION

CJX2-F series AC contactor(hereinafter to be referred as contactor), it mainly applies to the circuit of AC 50Hz/60Hz, and rated insulating voltage 1000V. When used in AC-3 and rated operational voltage 380V, the rated current up to 800A, for long distance breaking circuit and frequently starting or control the motor. Combined With electromagnetic starter and proper thermal overload relay can protect load circuit. Contactor can frequently start and control AC electromotor. This product conforms to GB14048.4、 IEC60947-4-1 standard.

MODEL AND MEANING

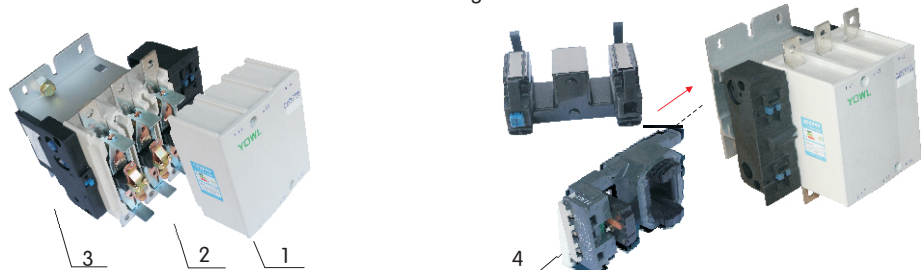


NORMAL RUNNING AND INSTALLATION CONDITIONS

- Ambient air temperature:-5℃~+40℃, the average value should not exceed+35℃ within 24 hours.
- Elevation: at most 2000m.
- Atmospheric conditions: When the temperature at 40℃, the relative humidity of atomsphere should be at the most 50%. When at relatively low temperatures, if could have higher relative humidity. Monthly maximum relative humidity could be not more than 90% Special measures should be taken due to occurrence of dews.
- Class of pollution:Class 3
- Installation category: III
- Installation conditions: Degree of inclination between fitting surface and vertical suface should not exceed ±5°
- Impact shock: Product should be instlled and used in the place where often shakes and impacts.

CONSTRUCTION FEATURES

Photo 1 CJX2-F115~F265 contactor structure diagram



1. Arc-extinguishing system 2. Contact system 3. Base frame 4. Magnetic system

- The contact system of the contactor is made of direct action type and double-breaking points allocation
- The lower base-frame of contactor is made of shaped aluminum alloy and the coil is made 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 service and maintenance.
- The contactor can add two auxiliary contact blocks, which will have 8 extra contacts
- The contactor is of short arcing distance. For example, the arcing distance of CJX2-115~330 contactor is only 10MM(200~500V), which is about one sixth that of the previous contactor of same capacity. It is excele lent complementary element used for an electric control device and occupies smaller space in a complete set of equipment.
- Adopt building block system to mount auxiliary contact block air delay auxiliary contactor and so on.
- The mechanical interlock can be added to the contactor in both horizontal direction and vertical direction.
- The contactor can be made to two poles, three poles or four poles contactors.

MAIN PARAMETER AND TECHNICAL CHARACTERISTIC

Table 1

Parameter Item Model	Conven- tional heating current (A)	Rated operational current(A)			Power of controllable 3-phase squirrel-cage motor(kW)			Opera- tional frequency (operations/ h)(AC-3)	AC-3 Electric life (10 ⁴ operations)	Mechani- cal life(10 ⁴ operations)	Matching fusing (SCPD)	Unit weight (kg)		
		AC-3			AC-3							Model	2P	3P
		380V	660V	1000V	380V	660V	1000V							
CJX2-F115	200	115	86	46	55	80	65	600	60	300	RT16-1	—	3.6	4.3
CJX2-F150	200	150	107	50	75	100	65	600	60	300	RT16-1	—	3.7	4.5
CJX2-F185	275	185	118	71	90	110	100	600	50	300	RT16-2	—	4.6	5.4
CJX2-F225	275	225	135	90	110	129	100	600	50	300	RT16-2	—	4.7	5.7
CJX2-F265	315	265	170	112	132	160	147	600	50	300	RT16-2	—	7.1	8.5
CJX2-F330	380	330	225	155	160	220	160	600	50	300	RT16-3	—	8.5	10
CJX2-F400	450	400	235	200	200	280	185	300	30	100	RT16-3	7.3	8.5	10
CJX2-F500	580	500	290	232	250	330	315	300	30	100	RT16-4	9.1	10.8	12.9
CJX2-F630	800	630	360	331	335	450	425	300	20	100	RT16-4	14.1	17.4	20.5
CJX2-F780	830	780	440	400	400	470	450	300	20	100	RT16-4	23.5	40	—
CJX2-F800	860	800	450	415	400	470	450	300	20	100	RT16-4	—	19	—
CJX2-F1250	1260	—	—	—	—	—	—	300	20	100	RT16-4	—	18.2	—

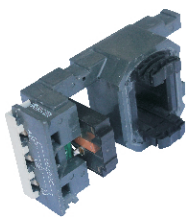
Operating characteristic

Pick-up voltage:85%Us~110%Us

Droop-out voltage:20%Us~75%Us

Main code of coil(Table2)

Table 2

Coil code Control voltage (V) Contactor model	110	127	220	380	Average power consumption(20℃)		Unit weight (kg)	Photo
					Pick-up(VA)	Holding(VA)		
CJX2-F115、F150	FF110	FF127	FF220	FF380	550	45	0.44	
CJX2-F185、F225	FG110	FG127	FG220	FG380	800	55	0.5	
CJX2-F265	FH110	FH127	FH220	FH380	1200	13	0.73	
CJX2-F330	FH110	FH127	FH220	FJ380	1200	13	0.84	
CJX2-F400	FJ110	FJ127	FJ220	FJ380	1200	20	0.96	
CJX2-F500	FK110	FK127	FK220	FK380	1250	24	1.1	
CJX2-F630	FL110	FL127	FL220	FL380	1650	22	1.3	
CJX2-F780	FX110	FX127	FX220	FX380	2100	50	2.6	
CJX2-F800	FL110	FL127	FL220	FL380	1650	22	1.5	
CJX2-F1250	FL110	FL127	FL220	FL380	1650	22	1.3	

CABLE CONNECTION

Table 3

Parameter Model	CJX2-F115	CJX2-F150	CJX2-F185	CJX2-F225	CJX2-F265	CJX2-F330	CJX2-F400	CJX2-F500	CJX2-F630	CJX2-F780	CJX2-F800
Cable connection											
Number of piece	1	1	1	1	1	1	2	2	2	2	2
Cable cross-sectional(mm ²)	95	120	150	185	240	240	150	240	240	240	240
Number of piece	2	2	2	2	2	2	2	2	2	2	2
Cu busbar(mm)	20×3	25×3	25×3	32×4	32×4	30×5	30×5	40×5	60×5	60×5	60×5
Bolt connection	M6	M8	M8	M10	M10	M10	M10	M10	M12	M12	M12

OVERALL AND MOUNTING DIMENSIONS

Table 4(Unit:mm)

Model	CJX2-F115		CJX2-F150		CJX2-F185		CJX2-F225		CJX2-F265		CJX2-F330		CJX2-F400			CJX2-F500			CJX2-F630			CJX2-F800	CJX2-F1250
	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	2P	3P	4P	2P	3P	4P	2P	3P	4P	3P	3P
Amax	167	204	167	204	170	211	170	211	202	247	218	261	215	215	261	235	235	288	310	310	389	310	310
Bmax	163	163	171	171	175	175	175	175	203	203	210	210	210	210	210	240	240	240	304	304	304	304	304
Cmax	172	172	172	172	183	183	183	183	215	215	223	223	223	223	223	235	235	235	257	257	257	257	257
P	37	37	40	40	40	40	48	48	48	48	48	48	48	48	48	55	55	55	80	80	80	80	80
S	20	20	20	20	20	20	25	25	25	25	25	25	25	25	25	30	30	30	40	40	40	40	40
Φ	M6	M6	M8	M8	M8	M8	M10	M10	M10	M10	M10	M10	M10	M10	M10	M10	M10	M10	M12	M12	M12	M12	M12
f	131	131	131	131	131	131	131	131	147	147	147	147	147	147	147	150	150	150	181	181	181	181	181
M	147	147	150	150	154	154	172	172	178	178	181	181	181	181	181	208	208	208	264	264	264	264	264
H	124	124	124	124	127	127	127	127	147	147	158	158	158	158	158	172	172	172	202	202	202	202	202
L	107	107	104	107	113.5	113.5	113.5	113.5	141	141	145	145	145	145	145	146	146	146	155	155	155	155	155
X1 200~500V	10	10	10	10	10	10	10	10	10	10	10	10	15	15	15	15	15	15	20	20	20	20	20
X1 660~1000V	15	15	15	15	15	15	15	15	15	15	15	15	20	20	20	20	20	20	30	30	30	30	30
Ga	80	80	80	80	80	80	80	80	96	96	96	96	80	80	80	80	80	80	180	180	180	180	180
Ha	106/119		106/119		106/119		106/119		106/119		106/119		170/180			170/180			180/190			180/190	180/190

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

B.X1:Confirm flashover distance according to working volt and breaking capacity

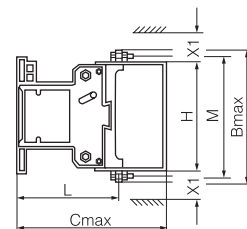
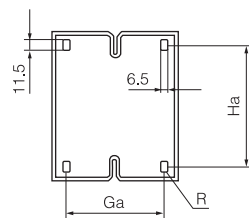
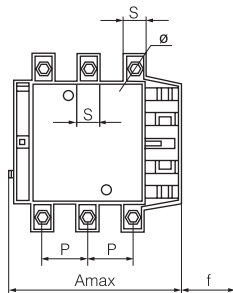


Photo 1 CJX2-F115~F330

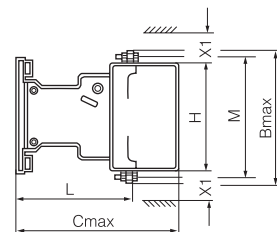
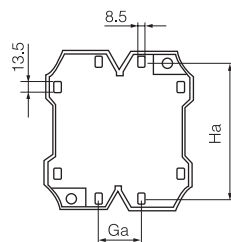
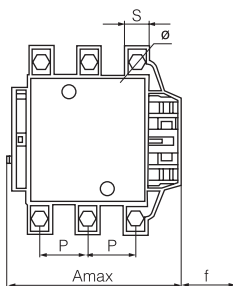


Photo 2 CJX2-F400~F500

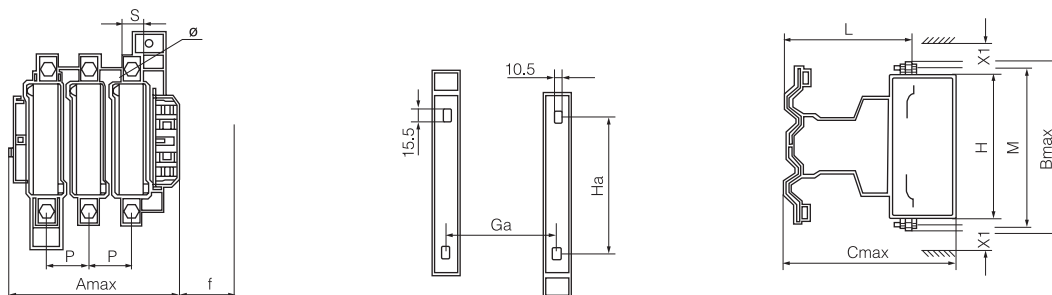
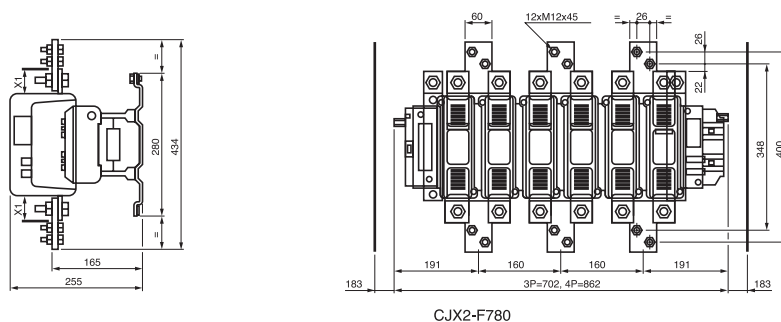


Photo 3 CJX2-F630~F1250



CJX2-F780

Photo 4 CJX2-F780

ORDERING INSTRUCTIONS

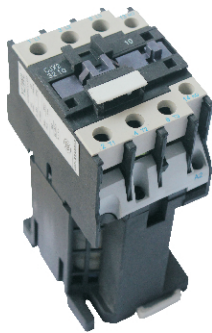
When placing an order, you should point out the below:

1. Product name and model, rated operational voltage and frequency of coil, order quantity.

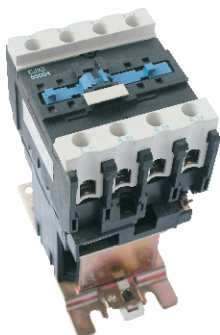
Ordering example: CJX2-F265 AC 220V 50Hz 60PCS



CJX2-1210Z



CJX2-3210Z



CJX2-65004Z



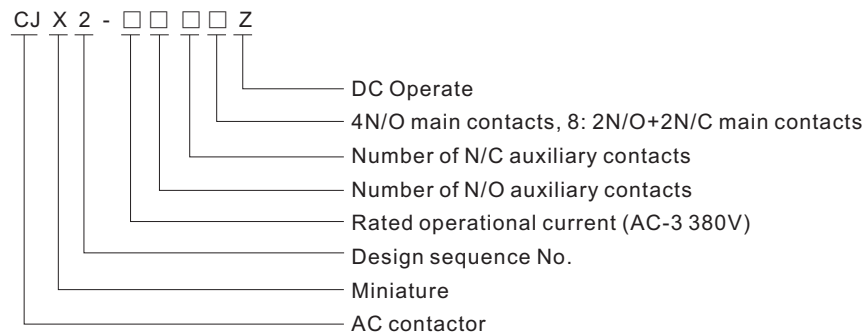
CJX2-8011Z

APPLICATION

CJX2-Z series DC operated AC contactor(hereinafter to be referred as contactor), it mainly applies to the circuit of AC 50Hz/60Hz, and rated insulation voltage 690V. When used in AC-3, and rated operational voltage 380V, rated current up to 95A, for long distance breaking circuit and frequently starting or control the motor. It can be also combined with the auxiliary contact block, time-delay block, thermal overload relay devices etc.

This product conforms to GB 14048.4、IEC60947-4-1 standard.

MODEL AND MEANING



NORMAL AUNNING AND INSTALLATION CONDITIONS

- Ambient air temperature:-5℃~+40℃, the average value should not exceed+35℃ within 24 hours.
- Elevation:at most 2000m.
- Atmospheric conditions: When the temperature at 40, the relative humidity of atomsphere should be at the most 50%. When at relatively low temperatures, it could have higher relative humidity. Monthly maximum relative humidity could be not more than 90% . Special measures should be taken due to occurrence of dews.
- Class of pollution:Class 3
- Installation category: III
- Installation conditions: Degree of inclination between fitting surface and vertical surface should not exceed I
- Impact shock:Product should be installed and used in the place where often shakes and impacts.

MAIN TECHNICAL PARAMETER

Main parameter and technical characteristic(Table 1)

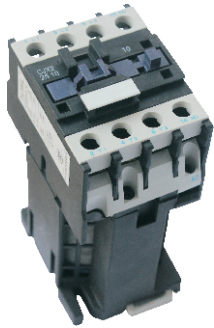
Table 1

Parameter		Model	CJX2-09	CJX2-12	CJX2-18	CJX2-25	CJX2-32	CJX2-40	CJX2-50	CJX2-65	CJX2-80	CJX2-95
Item												
Rated operational 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 insulation voltage(V)			690	690	690	690	690	690	690	690	690	690
Power of controllable 3-phase squirrel-cage motor(kW) AC-3	220V	2.2	3	4	5.5	7.5	11	15	18.5	22	25	
	380V	4	5.5	7.5	11	15	18.5	22	30	37	45	
	660V	5.5	7.5	10	15	18.5	30	33	37	45	55	
Operational frequency (operations/h)	Electric 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
Electric life (10 ⁴ operations)	AC-3	100	100	100	100	80	80	60	60	60	60	
	AC-4	20	20	20	20	20	15	15	15	15	15	
Mechanical life (10 ⁴ operations)			1000	1000	1000	1000	800	800	800	800	600	600
Cable connection	Flexible cable without terminal	a cable	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
		two cables	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
	Flexible cable with terminal	a cable	1/4	1/4	1/6	1/6	1/10	2.5/25	2.5/25	2.5/25	4/50	4/50
		two cables	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
	Inflexible cable without terminal	a cable	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
		two cables	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
Screw Size			M3.5	M3.5	M3.5	M4	M4	M8	M8	M8	M10	M10
Tightening torque(N · m)			0.8	0.8	0.8	1.2	1.2	3.5	3.5	3.5	4	4
DC coil power(W)			9	9	11	11	11	20	20	20	20	20
Operating range			Pick-up voltage:85%~110% Us; Drop-out Voltage: 10%~70% Us									
Basic parameter of auxiliary contact			AC-15: 360VA DC-13: 33W lth: 10A									
Unit weight(kg)	3P+NO/NC		0.58	0.58	0.6	0.83	0.85	2.2	2.2	2.2	2.4	2.4
	4P(4N/O)		0.58	0.58	-	0.83	-	2.3	2.3	2.3	2.57	2.57
	4P(2N/O +2N/C)		0.58	0.58	-	0.83	-	2.35	2.35	2.35	2.63	2.63

Rated controllable voltage of DC coil (Table2)

Table 2

Coil voltage(V)	12	24	36	48	60	72	110	125	220	250	440
Coil code	JD	BD	CD	ED	ND	SD	FD	GD	MD	UD	RD



CJX2-25008

OVERALL AND MOUNTING DIMENSIONS

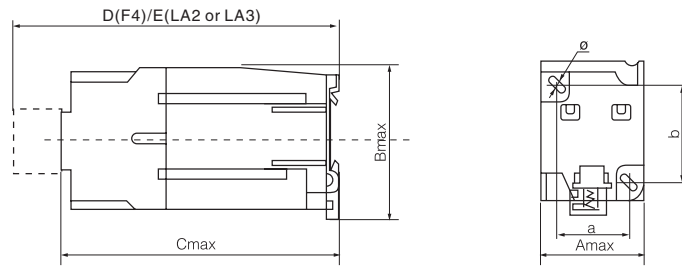
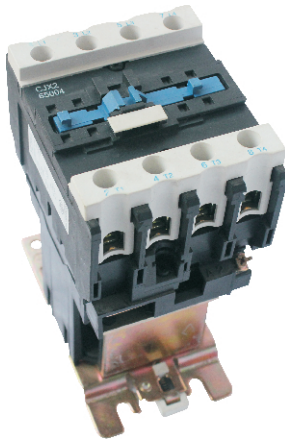


Photo 1 CJX2-09Z~32Z



CJX2-50004

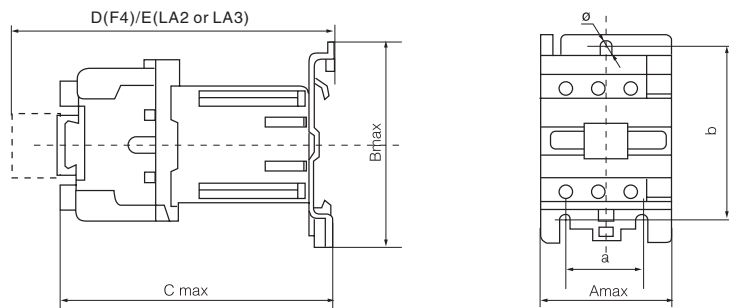


Photo 2 CJX2-40Z~95Z

Table 3(Unit:mm)

Product Model	Amax	Bmax	Cmax	Dmax	Emax	a	b	Φ
CJX2-09Z~12Z	47	76	116	149	160	45	50/60	4.5
CJX2-18Z	47	76	120	157	177	45	50/60	4.5
CJX2-25Z	57	86	130	163	184	40	50/60	4.5
CJX2-32Z	57	86	135	168	189	40	50/60	4.5
CJX2-4011Z~6511Z	77	129	175	203	223	40	100/110	6.5
CJX2-40004Z~65004Z	85	129	174	203	223	40	100/110	6.5
CJX2-40008Z~65008Z	85	129	185	203	223	40	100/110	6.5
CJX2-8011Z~9511Z	87	129	183	212	230	40	100/1100	6.5
CJX2-80004Z~95004Z	97	129	180	212	230	40	100/110	6.5
CJX2-80008Z~95008Z	97	129	191	212	230	40	100/110	6.5

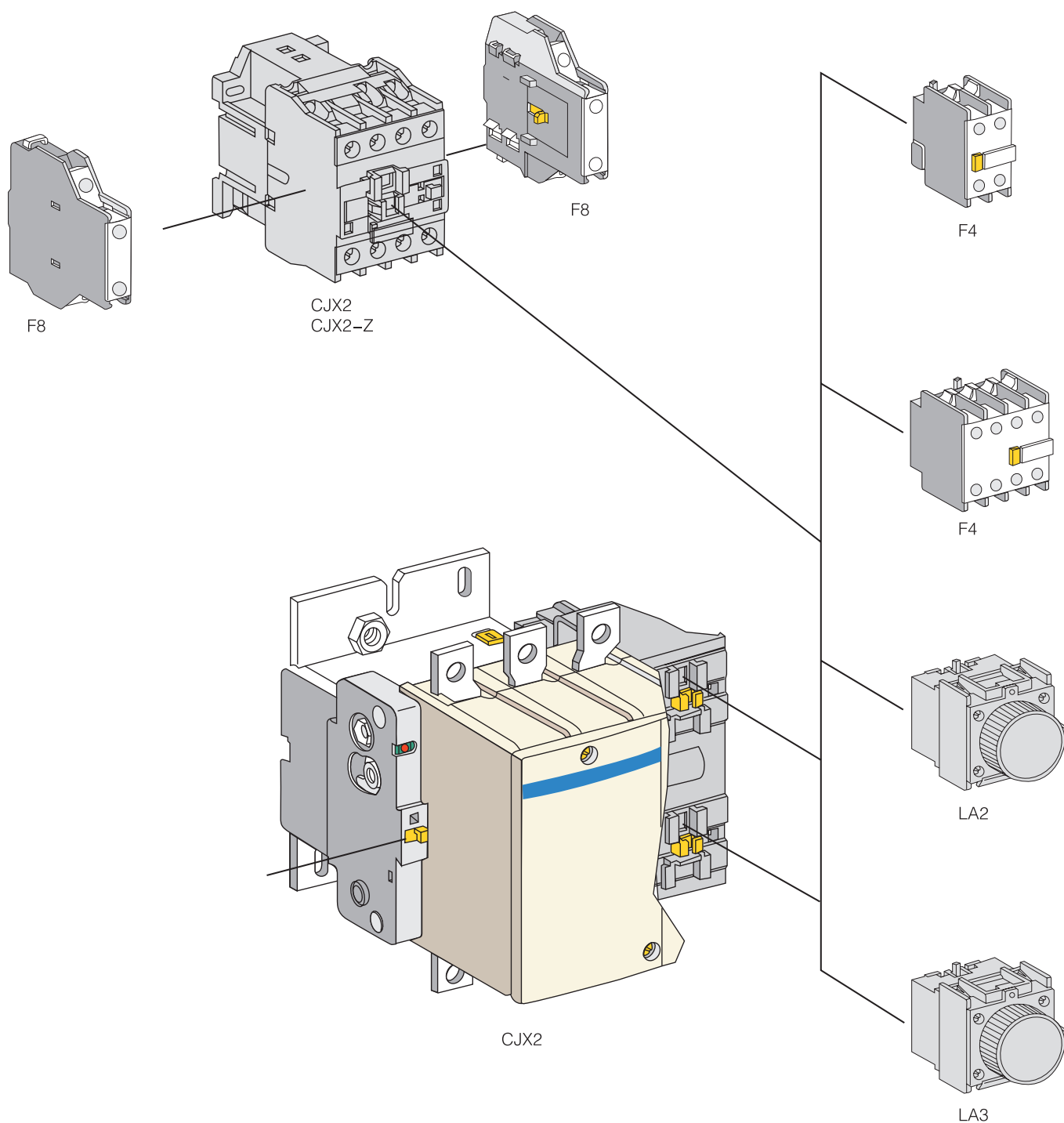
Note: Not only use screw mounting, but also can use 35mm [CJX2-09Z~95Z] and 75mm [CJX2-40Z~95Z] international standard Din-rail mounting.

ORDERING INSTRUCTIONS

When placing an order, you should point out the below:

1. Product name and model, rated operational voltage and frequency of coil, order quantity.

Ordering example: CJX2-09 10 Z DC 220V 50Hz 10PCS





F4-11



F4-13

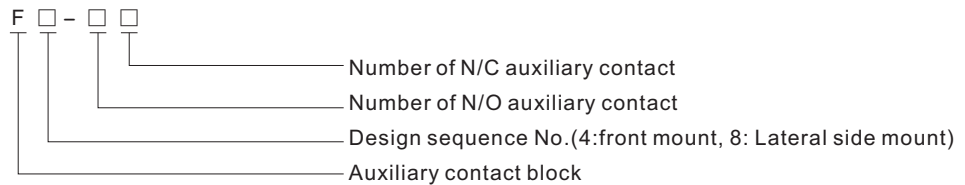


F8-20

APPLICATION

F4 auxiliary contact block can be mainly used in the controllable circuit of AC 50Hz, AC-15, rated operational voltage 380V and rated current up to 0.95A, or in DC-13, rated operational voltage DC220V and rated current up to 0.15A. It can be used to control signal and Electrical linkage. This Product is suitable for the conditions when CJX2 series contactor has no enough auxiliary contact in controllable Circuit, combining auxiliary contact block with CJX2 series contactor can increase number of auxiliary contacts. It has two styles, one is two contact block, another is four contact block, The only difference between them is the number of auxiliary contact. This product conforms to GB14048.4、IEC60947-4-1 standard.

MODEL AND MEANING



AUXILIARY CONTACT BLOCK USAGE

Table 1

Model	Structure N/C N/O	Number of contacts	Installable max number of auxiliary contact block		Unit weight (kg)
			Front mount	Lateral mount	
F4-11	1 1	2	1PCS(CJX2-09~170) 2PCS(CJX2-D185~620) 2PCS(CJX2-F115~F1250)	-	0.036
F4-20	2 0	2			0.036
F4-02	0 2	2			0.036
F4-22	2 2	4			0.061
F4-13	1 3	4			0.061
F4-40	4 0	4			0.061
F4-04	0 4	4			0.061
F4-31	3 1	4			0.061
F8-11	1 1	2	-	2Only(CJX2-09~170)	0.048
F8-20	2 0	2			0.048

TECHNICAL PARAMETER

Table 2

Parameter	Model	F4	F8
Rated insulation voltage(V)		690	690
Conventional heating current(A)		10	10
Rated controllable capacity		AC-15 360 VA; DC-13 33(W)	
Rated operational current		AC-15 380V 0.95A; DC-13 220V 0.15A	
Max operational frequency(operations/h)		3600	3600
Mechanical life(10 ⁴ operations)		1000	1000
Electric life(10 ⁴ Operations)		100	100

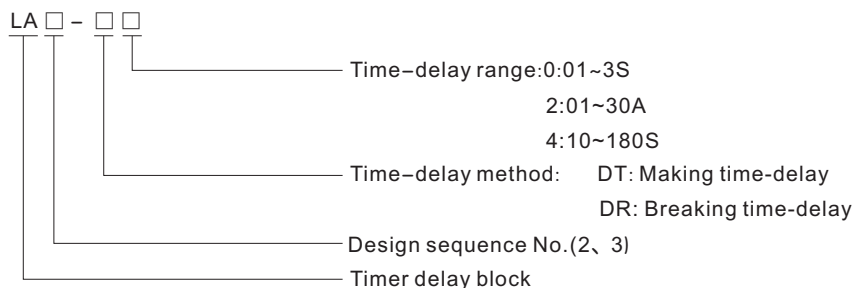


LA2-DT2

APPLICATION

AL Timer delay block is mainly used in the controllable circuit of AC 50Hz/60Hz, AC-15, rated operational voltage AC380V and rated current up to 0.95A, or DC-13, rated operational voltage DC220V and rated current up to 0.15A. It is used as timing control. This product can be assembled with CJX2 series AC contactor or JZC4 contactor type relay, so that it will have time-delay effects. And it has two styles, one is making time-delay, another is breaking time-delay. This product conforms to GB14048.4、IEC60947-4-1 standard.

MODEL AND MEANING



TIMER DELAY BLOCK USAGE

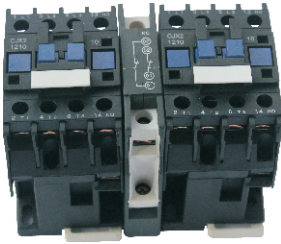
Table 1

Model	Time-delay type	Range	Number of contacts	Installable max number of auxiliary contact block	Unit weight(kg)
LA2-DT0	Making time-delay 0.1~3S	0.1~3S	1 NO+1NC	1 PCS(CJX2-09~170) 2 PCS(CJX2-185~620) 2 PCS(CJX2-F115~F1250)	0.087
LA2-DT2	Making time-delay 0.1~30S	0.1~30S			0.087
LA2-DT4	Making time-delay 0.1~180S	10~180S			0.087
LA3-DR0	Making time-delay 0.1~3S	0.1~3S			0.087
LA3-DR2	Making time-delay 0.1~30S	0.1~30S			0.087
LA3-DR4	Making time-delay 10~180S	10~180S			0.087

TECHNICAL PARAMETER

Table 2

Parmeter / Item	Model	LA2	LA3
Rated insulation voltage(V)		690	690
Conventional heating current(A)		10	10
Rated control capacity		AC-15 360 VA; DC-13 33(W)	
Rated operating current		AC-15 380 V 0.95A; DC-13 220V 0.15A	
Max operation frequency		3600	3600
Mechanical life(*10000 operations)		1000	1000
Electric life(*10000 operations)		100	100

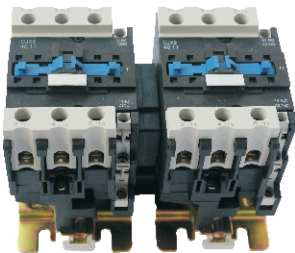
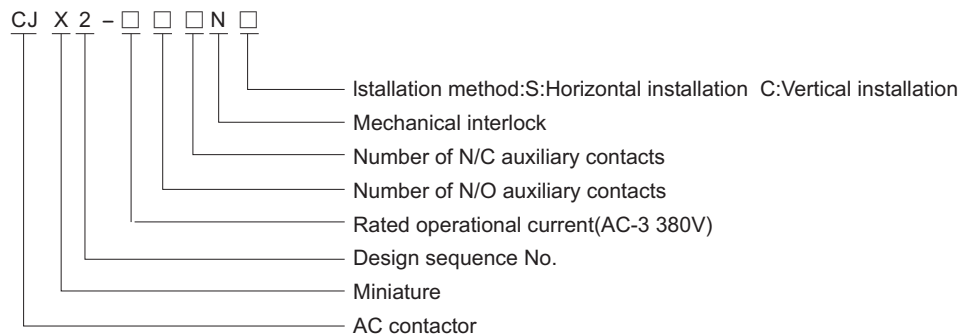


CJX2-12N

APPLICATION

CJX2-N series reversing contactor is suitable for using in the circuits of AC 50Hz or 60HZ, the rated insulation voltage 690V, rated current up to 800A, convertible controlling the motor, it can avoid short circuit when reversing. Combined with the thermal overload relay, it can protect overload circuit. This product conforms to GB14048.4、IEC60947-4-1 standard.

MODEL AND MEANING



CJX2-40N

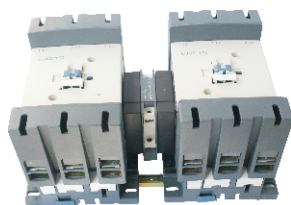
NORMAL RUNNING AND INSTALLATION CONDITIONS

- Ambient air temperature:-5℃~+40℃, the average value should not exceed +35℃ within 24 hours.
- Elevation: at most 2000m.
- Atmospheric conditions: When the temperature at 40℃, the relative humidity of atmosphere should be at the most 50%. When at relatively low temperatures, it could have higher relative humidity. Monthly maximum relative humidity could be not more than 90%. Special measures should be taken due to occurrence of dews.
- Class of pollution: Class 3
- Installation category: III
- Installation conditions: Degree of inclination between fitting surface and vertical surface should not exceed ±5°
- Impact shock: Product should be installed and used in the place where often shakes and impacts.

TECHNICAL PARAMETER

Table 1

Parameter Item	Model	CJX2-09N	CJX2-12N	CJX2-18N	CJX2-25N	CJX2-32N	CJX2-40N	CJX2-50N	CJX2-65N	CJX2-80N	CJX2-95N
Rated operational 380V AC-3 current(A)		9	12	18	25	32	40	50	65	80	95
Power of control- lable 3-phase squirrel-cage motor(kW) AC-3	220V	2.2	3	4	5.5	7.5	11	15	18.5	22	25
	380V	4	5.5	7.5	11	15	18.5	22	30	37	45
	660V	5.5	7.5	10	15	18.5	30	33	37	45	55
Unit weight(Kg) 3P		0.72	0.72	0.72	1.11	1.18	2.49	2.52	2.55	2.96	2.97



CJX2-170N

Table 2

Parameter Item	Model	CJX2-D115N	CJX2-D150N	CJX2-D170N	CJX2-D205N	CJX2-D245N	CJX2-D300N	CJX2-D410N	CJX2-D475N	CJX2-D620N
Rated operational 380V AC-3 current(A)		115	150	170	205	245	300	410	475	620
Power of control-lable 3-phase squirrel-cage motor(kW)AC-3	220V	30	40	55	63	75	100	110	147	200
	380V	55	75	85	90	110	160	200	250	335
	660V	80	90	100	110	129	220	280	330	450
Unit weight(Kg)	3P	4.32	4.32	4.32	9.9	10.2	18.4	18.7	24	38.8

Table 3

Parameter Item	Model	CJX2-F115N	CJX2-F150N	CJX2-F185N	CJX2-F225N	CJX2-F265N	CJX2-F330N	CJX2-F400N	CJX2-F500N	CJX2-F630N	CJX2-F800N
Rated operational 380V AC-3 current(A)		115	150	185	225	265	330	400	500	630	800
Power of control-lable 3-phase squirrel-cage motor(kW)AC-3	220V	30	40	55	63	75	100	110	147	200	250
	380V	55	75	90	110	132	160	200	250	335	450
	660V	80	100	110	129	160	220	280	330	450	470
Unit weight(Kg)	3P	7.7	8.0	9.9	10.2	15.3	18.4	18.7	24	38.8	44.2
	4P	9.4	10.0	10.1	12.9	18.8	22.3	22.9	29.6	47.6	-



CJX2-F115N

OVERALL AND MOUNTION DIMENSIONS

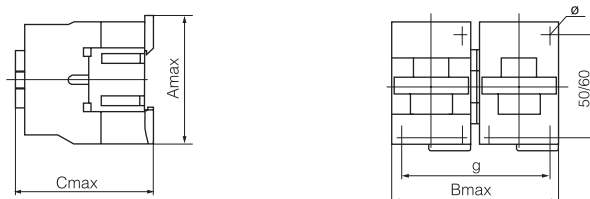


Photo 1 CJX2-09N~32N(Horizontal installation)

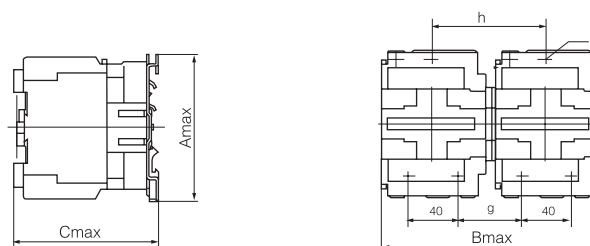
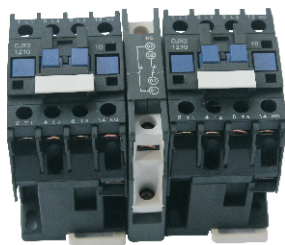


Photo 2 CJX2-40N~95N(Horizontal installation)



CJX2-12N

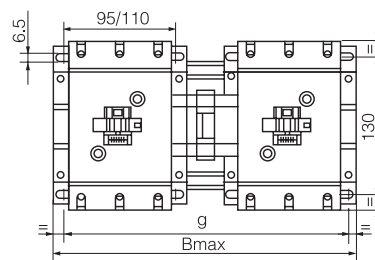
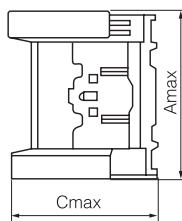
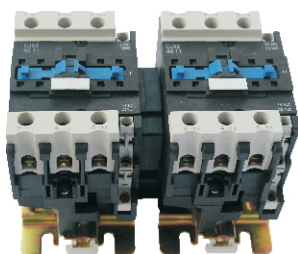


Photo 3 CJX2-D115N~170N(Horizontal installation)



CJX2-40N

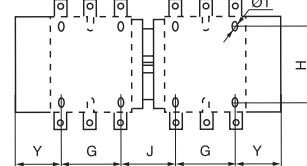
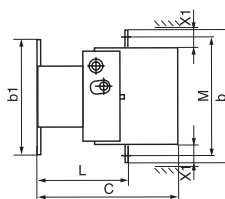
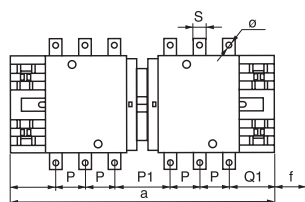


Photo 4 CJX2-F115N~F330N, CJX2-205N~300N(Horizontal installation)

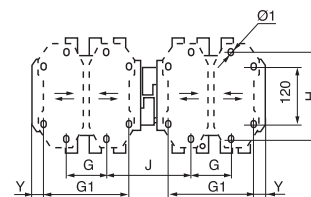
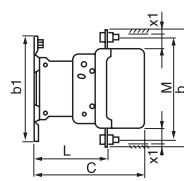
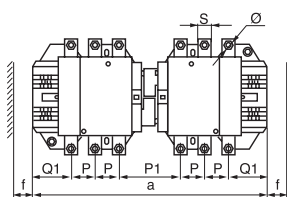


Photo 5 CJX2-F400N~F500N, CJX2-410N~475N(Horizontal installation)

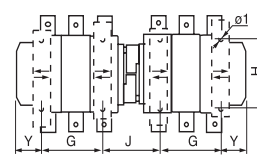
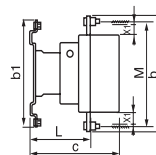
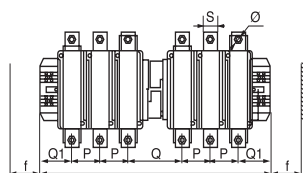


Photo 6 CJX2-F630N~F800N, CJX2-620N(Horizontal installation)

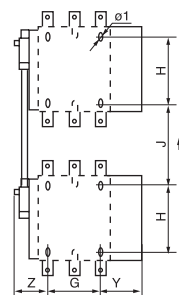
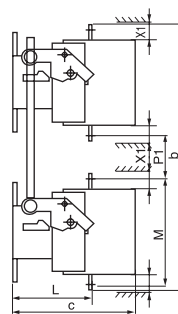
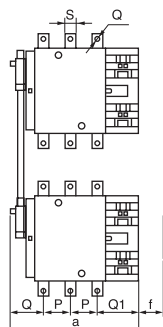


Photo 7 CJX2-F115N~F330N(Vertical installation)

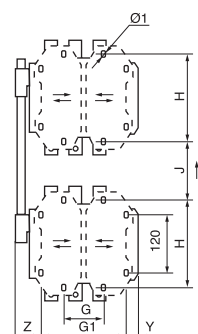
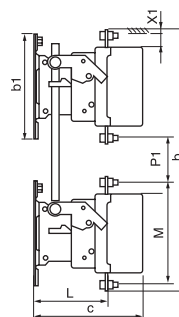
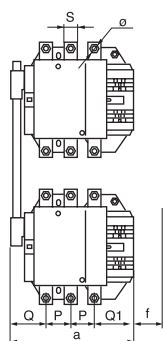


Photo 8 CJX2-F400N~F500N(Vertical installation)

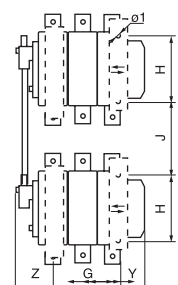
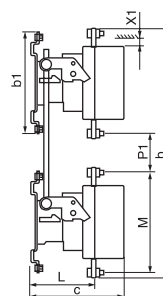
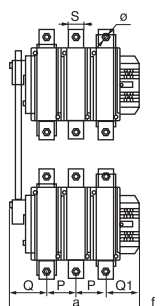


Photo 9 CJX2-F630N~F800N(Vertical installation)

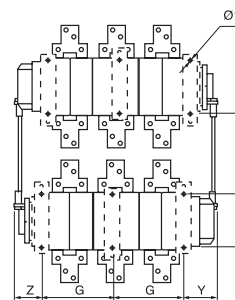
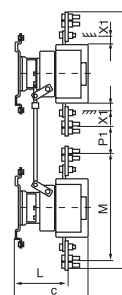
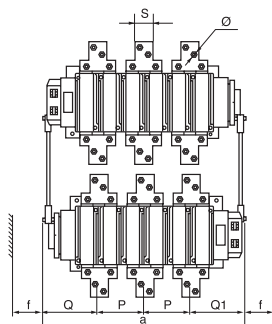


Photo 10 CJX2-F780N(Vertical installation)

CJX2-09N~170N(Horizontal installation)

Table 4(Unit:mm)

Contactor Model	Amax	Bmax	Cmax	g	h	Φ
CJX2-09N~12N	81	106	85	95	-	4.5
CJX2-18N	81	106	87	95	-	4.5
CJX2-25N	94	129	100	112	-	4.5
CJX2-32N	96	129	103	112	-	4.5
CJX2-40N~65N	129	165	116	50	90	6.5
CJX2-80N~95N	129	185	127	57	96	6.5
CJX2-D115N~170N	162	268	133	242/256	-	6.5

CJX2-F115N~F330N, CJX2-205N~300N(Horizontal installation)

Table 5(Unit:mm)

Contactor Model	a	P	P1	Q1	S	Φ	f	b	b1	M	c	L	G	J	H	Φ1	Y	X1	
																		≤500V	>500V
CJX2-F115	346	37	78	60	15	M6	109	162	137	147	171	107	80	72	120/106	6.5	57	10	15
CJX2-F1154	420	37	78	60	15	M6	109	162	137	147	171	107	80	109	120/106	6.5	75.5	10	15
CJX2-F150	346	40	72	57.5	20	M8	109	170	137	150	17	107	80	72	120/106	6.5	57	10	15
CJX2-F1504	420	40	72	55.5	20	M8	109	170	137	150	171	107	80	109	120/106	6.5	75.5	10	15
CJX2-F185,205	357	40	78	59.5	20	M8	117	174	137	154	181	113.5	80	78	120/106	6.5	59.5	10	15
CJX2-F1854	437	40	78	59.5	20	M8	117	174	137	154	181	113.5	80	118	120/106	6.5	79.5	10	15
CJX2-F225,245	357	48	62	51.5	25	M10	117	197	137	175	181	113.5	80	78	120/106	6.5	59.5	10	15
CJX2-F2254	437	48	54	47.5	25	M10	117	197	137	175	181	113.5	80	118	120/106	6.5	79.5	10	15
CJX2-F265	424	48	99	66.5	25	M10	143	203	145	178	213	141	96	109	120/106	6.5	61.5	10	15
CJX2-F2654	520	48	99	66.5	25	M10	143	203	145	178	213	141	96	157	120/106	6.5	85.5	10	15
CJX2-F330,300	445	48	105	74	25	M10	143	206	145	181	219	145	96	122	120/106	6.5	65.5	10	15
CJX2-F3304	541	48	105	74	25	M10	143	206	145	181	219	145	96	170	120/106	6.5	89.5	10	15

CJX2-F400N~F500N, CJX2-410N~475N(Horizontal installatio)

Table 6(Unit:mm)

Contactor Model	a	P	P1	Q1	S	Φ	f	b	b1	M	c	L	G	G1	J	H	Φ1	Y	X1	
																			≤500V	>500V
CJX2-F400,410	445	48	105	74	25	M10	151	206	209	181	219	145	80	170	156	170/180	8.5	19.5	15	20
CJX2-F4004	541	48	105	74	25	M10	151	206	209	181	219	145	80	170	156	170/180	8.5	67.5	15	20
CJX2-F500,475	485	55	111	77	30	M10	169	238	209	208	232	146	80	170	156	170/180	8.5	39.5	15	20
CJX2-F5004	595	55	111	77	30	M10	169	238	209	208	232	146	140	230	156	170/180	8.5	34.5	15	20

CJX2-F630N~F800N, CJX2-620N(Horizontal installation)

Table 7(Unit:mm)

Contactor Model	a	P	P1	Q1	S	Φ	f	b	b1	M	c	L	G	J	H	Φ1	Y	X1	
																		≤500V	>500V
CJX2-F630,620	636	80	138	89	40	M12	201	304	280	264	255	155	180(100/195)	139	180/190	10.5	68.5	20	30
CJX2-F6304	796	80	138	89	40	M12	201	304	280	264	255	155	240(150/275)	139	180/190	10.5	68.5	20	30
CJX2-F800	636	80	138	89	40	M12	201	304	280	264	255	155	180(100/195)	139	180/190	10.5	68.5	20	30

CJX2-F115N~F330N(Vertical installation)

Table 8(Unit:mm)

Contactor Model	a	P	Q1	Q	S	Φ	f	b	P1	M	c	L	G	H	J	Φ1	Z	Y	X1	
																			≤500V	>500V
CJX2-F115	184	37	60	50	15	M6	109	357-472	48-163	147	171	107	80	120	80-195	6.5	47	57	10	15
CJX2-F1154	221	37	60	50	15	M6	109	357-472	48-163	147	171	107	80	120	80-195	6.5	65.5	75.5	10	15
CJX2-F150	184	40	57	47	20	M8	109	365-480	45-160	150	171	107	80	120	80-195	6.5	47	57	10	15
CJX2-F1504	221	40	55.5	45.5	20	M8	109	365-480	45-160	150	171	107	80	120	80-195	6.5	65.5	75.5	10	15
CJX2-F185	192	40	59.5	52.5	20	M8	117	389-484	61-156	154	181	113.5	80	120	100-195	6.5	52.5	59.5	10	15
CJX2-F1854	232	40	59.5	52.5	20	M8	117	389-484	41-156	154	181	113.5	80	120	100-195	6.5	72.5	79.5	10	15
CJX2-F225	192	48	51.5	44.5	25	M10	117	412-507	43-138	172	181	113.5	80	120	100-195	6.5	52.5	59.5	10	15
CJX2-F2254	232	48	47.5	40.5	25	M10	117	412-507	43-138	172	181	113.5	80	120	100-195	6.5	72.5	79.5	10	15
CJX2-F265	226	48	66.5	63.5	25	M10	143	448-583	47-202	178	213	141	96	120	130-265	6.5	68.5	61.5	10	15
CJX2-F2654	274	48	66.5	63.5	25	M10	143	448-583	47-202	178	213	141	96	120	130-265	6.5	92.5	85.5	10	15
CJX2-F330	240	48	74	70	25	M10	143	481-586	94-199	181	219	145	96	120	130-265	6.5	78.5	65.5	10	15
CJX2-F3304	288	48	74	70	25	M10	143	484-586	94-199	181	219	145	96	120	130-265	6.5	102.5	89.5	10	15

CJX2-F400N~F500N(Vertical installation)

Table 9(Unit: mm)

Contactor Model	a	P	Q1	Q	S	Φ	f	b	P1	M	c	L	G	G1	H	J	Φ1	Z	Y	X1	
																				≤500V	>500V
CJX2-F400	240	48	74	70	25	M10	151	481-586	94-199	181	219	145	80	170	180	100/205	8.5	50.5	19.5	15	20
CJX2-F4004	288	48	74	70	25	M10	151	481-586	94-199	181	219	145	80	170	180	100/205	8.5	50.5	67.5	15	20
CJX2-F500	261	55	77	74	30	M10	169	533-618	87-172	208	232	146	80	170	180	120/205	8.5	51.5	39.5	15	20
CJX2-F5004	316	55	77	74	30	M10	169	533-618	87-172	208	232	146	140	230	180	120/205	8.5	51.5	34.5	15	20

CJX2-F630N~F800N(Vertical installation)

Table 10(Unit:mm)

Contactor Model	a	P	Q1	Q	S	Φ	f	b	P1	M	c	L	G	H	J	Φ1	Z	Y	X1	
																			≤500V	>500V
CJX2-F630	309	80	89	60	40	M12	201	669-684	101-116	264	255	155	180(100-195)	190	180-195	10.5	60.5	68.5	20	30
CJX2-F6304	389	80	89	60	40	M12	201	669-684	106-116	264	255	155	240(150-275)	190	180-195	10.5	60.5	88.5	20	30
CJX2-F800	309	80	89	60	40	M12	201	669-684	106-116	264	255	155	180(100-195)	190	180-195	10.5	60.5	68.5	20	30

CJX2-F780N(Vertical installation)

Table 11(Unit:mm)

Contactor Model	a	P	Q1	Q	S	Φ	f	b	P1	M	H	c	L	G	G1	H	Φ1	Z	Y	X1	
																				≤500V	>500V
CJX2-F780	704	160	192	192	60	M12	201	435	81-101	400-438	202	225	165	240	-	180	10.5	91	133	20	30
CJX2-F7804	864	160	192	192	60	M12	201	435	81-101	400-438	202	225	165	240	190	180	10.5	91	103	20	30

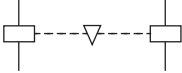
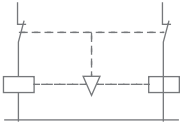
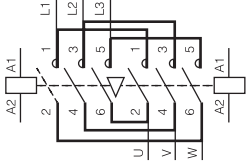
ORDERING INSTRUCTIONS

When placing an order, you should point out the below:

1. Product name and model, rated operational voltage and frequency of coil, order quantity.

Ordering example: Reversing Contactor CJX2-40N AC 220V 50Hz 60PCS.

SCHEMA OF INTERLOCK PARTS MOUNTING

Contactor	Mechanical interlock	Power connection parts
Installation of reversing device need two same contactors  Without electrical interlock	 With electrical interlock (Two PCS N/C contacts)	 Reversing contactor

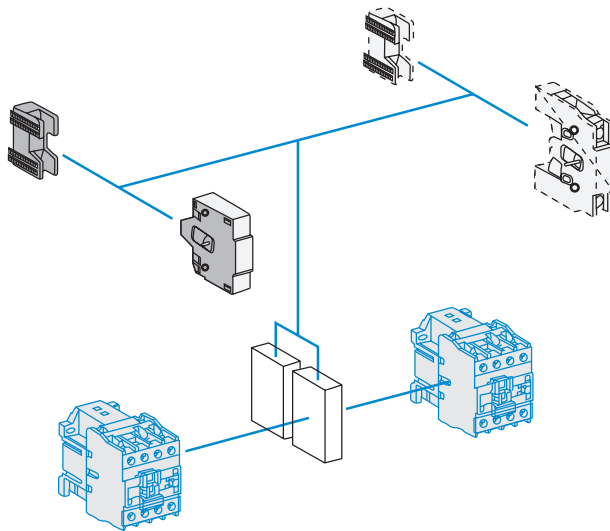


Photo 11 CJX2-09~32, CJX2-09Z~32Z(Horizontal installation)

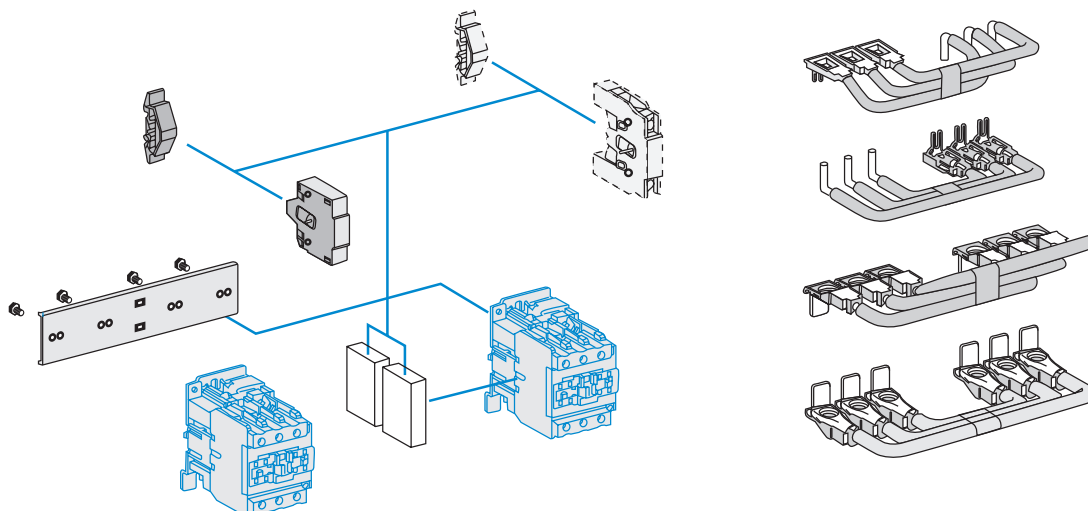


Photo 12 CJX2-40~95, CJX2-40Z~95Z(Horizontal installation)

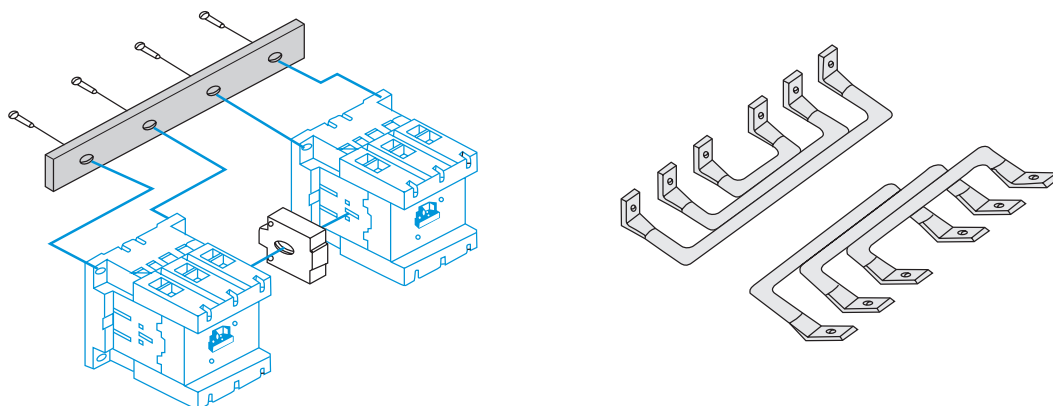


Photo 13 CJX2-D115~170(Horizontal installation)

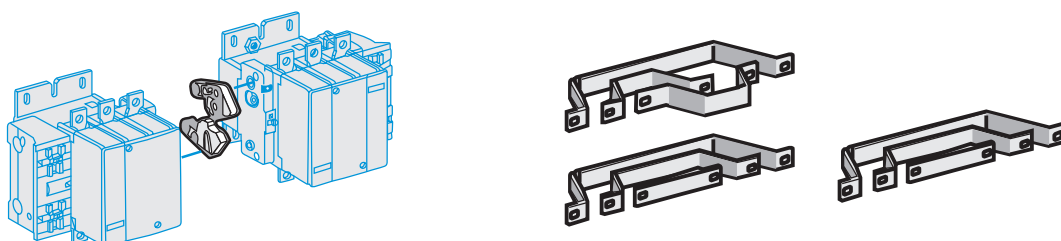


Photo 14 CJX2-205~620, CJX2-F185~F800(Horizontal installation)

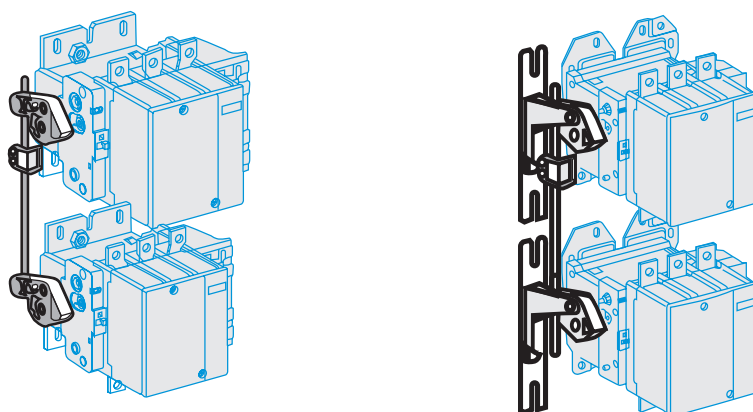
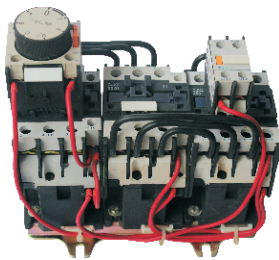
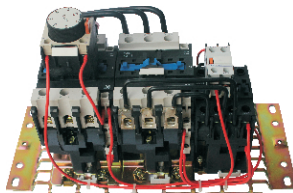


Photo 15 CJX2-205~620, CJX2-F185~F800(Vertical installation)



QJX2-32

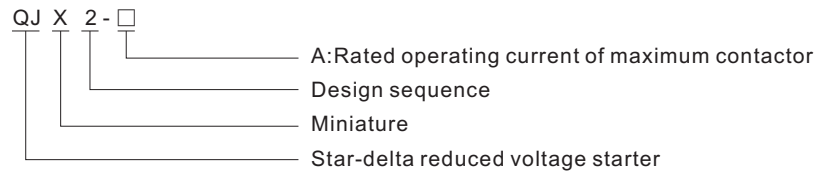


QJX2-40

APPLICATION

QJX2 series star delta reduced voltage starter is suitable for starting 3-phase squirrel-cage motor in the circuit of AC 50/60Hz, under AC3 utilization category, rated operational voltage 660V and controllable power 80W. And it can be used to control start motor stator windings, which changeover start, run and stop from "Wye" to "Delta Type", If used with corresponding thermal overload relay, it will realize the function of overload and phase-failure protection for electric motor. This product is not suitable for reversible change and AC-4 Utilization category. This product conforms to GB14048.4、IEC60947-4-1 standard.

MODEL AND MEANING



NORMAL RUNNING AND INSTALLATION CONDITIONS

- Ambient air temperature: -5℃~+40℃, the average value should not exceed +35℃ within 24 hours.
- Elevation: at most 2000m.
- Atmospheric conditions: When the temperature at 40, the relative humidity of atmosphere should be at the most 50%. When at relatively low temperatures, it could have higher relative humidity. Monthly maximum relative humidity could be not more than 90%. Special measures should be taken due to occurrence of dews.
- Class of pollution: Class 3
- Installation category: III
- Installation conditions: Degree of inclination between fitting surface and vertical surface should not exceed 1°
- Impact shock: Product should be installed and used in the place where often shakes and impacts.

MATCHING TABLE OF TECHNICAL PARAMETER AND STARTER

Parameter Item	Model	QJX2-12	QJX2-18	QJX2-25	QJX2-32	QJX2-40	QJX2-50	QJX2-65	QJX2-80	QJX2-95
Main return circuit of contactor	Isolation KM2	QJX2-1210	QJX2-1810	QJX2-2510	QJX2-3210	QJX2-4011	QJX2-5011	QJX2-6511	QJX2-8011	QJX2-9511
	△ Work KM3	QJX2-1201	QJX2-1801	QJX2-2501	QJX2-3201	QJX2-4011	QJX2-5011	QJX2-6511	QJX2-8011	QJX2-9511
	Y Work KM1	QJX2-0901	QJX2-1201	QJX2-1201	QJX2-2501	QJX2-2501	QJX2-4011	QJX2-4011	QJX2-5011	QJX2-6511
Thermal overload relay	Current setting range(A)	9-13	12-18	17-25	23-32	30-40	37-50	48-65	63-80	80-95
	Model	JRS4-1316	JRS4-1321	JRS4-1322	JRS4-2353	JRS4-3355	JRS4-3357	JRS4-3359	JRS4-3363	JRS4-3365
Controlling power of motor(KW)	220V	5.5	7.5	11	15	18.5	25	30	40	40
	380V	11	15	18.5	25	33	45	55	75	80
	415V	11	15	22	25	37	45	59	75	80
	660V	11	22	25	30	37	5	59	75	80
Rated operating current(A) (ac-3) 380V		20	31	43	55	69	86	112	138	164
Matching fusing model		20	32	50	63	80	100	125	160	200
Unit weight(kg)		1.5	1.7	1.8	2	4.36	4.36	4.36	5.2	5.2

OVERALL AND MOUNTING DIMENSIONS

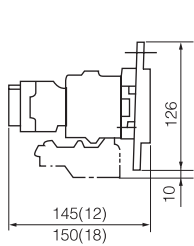


Photo 1 QJX2-12, 18

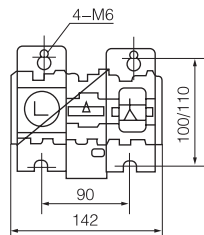
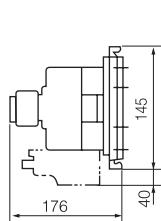
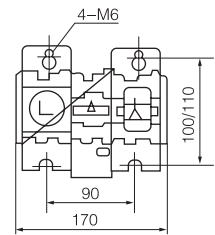
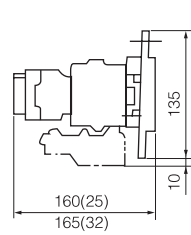


Photo 2 QJX2-25,32



Phot 3 QJX2-40, 50, 65

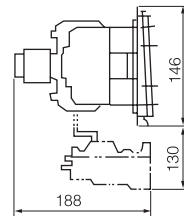
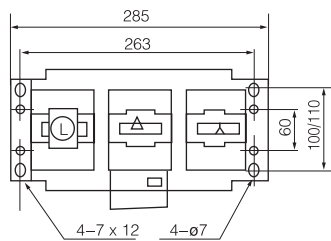
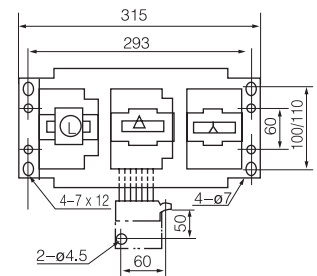


Photo 4 QJX2-80,95



WIRING SCHEME

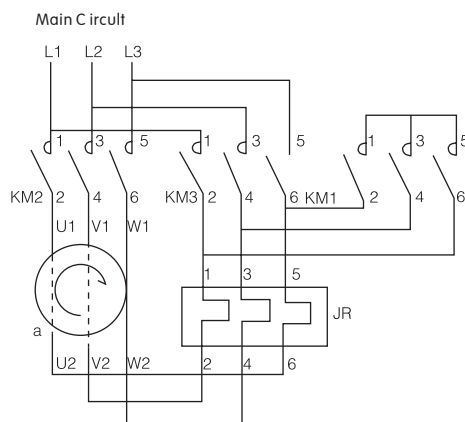


Photo 5

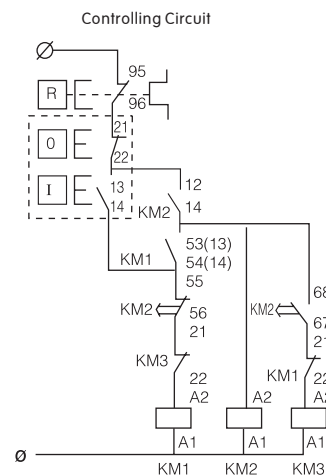


Photo 6

CONTROLLING CIRCUIT

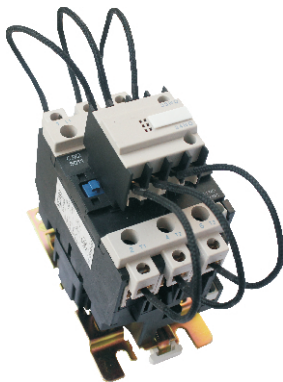
When ordering, you should point out the below:

Model, rated operational voltage and frequency of coil and quantity

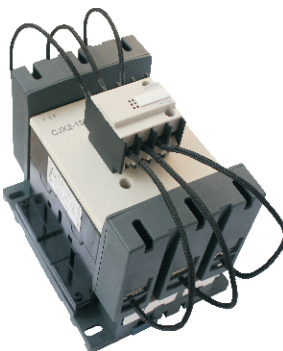
Example: Star delta reduced voltage starter QJX2-40 220V 50Hz 60PCS



CJ19-25



CJ19-43



CJ19-150

APPLICATION

CJ19 Changeover capacitor contactor is especially used for low voltage shunt capacitor. And it widely used in reactive power compensation equipment with AC 50HZ and voltage 380V, inrush current system in the contactor can decrease shock to capacitor and lower switching overvoltage in while breaking a circuit. Moreover, It can replace transfer device which are composed of one contactor and three current limiting reactors, its feature is small, light, joins convenient and reliable, hige capacity of turning on/off.

This product conforms to GB14048.4、IEC60947-4-1 standard.

MODEL AND MEANING

CJ19 - □□ / □□

Number of Auxiliary contacts

20:2N/O, 11:1N/O+1N/C

02:2N/C(25A~43A)

21:2N/O+1N/C, 12:1N/O+2N/C(63A~95A)

Basic specifications code

Changeover capacitor contactor

NORMAL RUNNING AND INSTALLATION CONDITIONS

- Ambient air temperature: -5℃~+40℃, the average value should not exceed+35℃ within 24 hours.
- Elevation: at most 2000m.
- Atmospheric conditions: When the temperature at 40℃, the relative humidity of atomsphere should be at the most 50%. When at relatively low temperatures, it could have higher relative humidity. Monthly maximum relative humidity could be not more than 90%. Special measures should be taken due to occurrence of dews.
- Class of pollution: Class 3
- Installation category: III
- Installation conditions: Degree of inclination between fitting surface and vertical surface should not exceed±5°
- Impact shock:Product should be installed and used in the place where often shakes and impacts.

MAIN TECHNICAL PARAMETER

Parameter Item	Model	CJ19-25	CJ19-32	CJ19-43	CJ19-63	CJ19-80	CJ19-95
Rated operational current(A) 380V		17	23	29	43	50	63
Controllable capacity (kVar)	230V	6.5	8.5	10	20	21	23
	400V	12	16.7	20	32	38	42
Rated insulation voltage(V)		690	690	690	690	690	690
Controlling inrush current capacity		20In	20In	20In	20In	20In	20In
Electric life(10 ⁴ operations)		10	10	10	8	8	8

Operating characteristic Pick up voltage: (85%~110%)Us; Release voltage: (20%~75%)Us

Average power consumption(VA) 50Hz 20℃	Pick-up	76	110	110	230	230	230
	Holding	9.4	11	11	32	32	32

Controllable capacity of auxiliary contact AC-15 360VA:DC-13 33W

Unit weight(kg)	0.44	0.60	0.63	1.33	1.5	1.5
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OVERALL AND MOUNTING DIMENSIONS

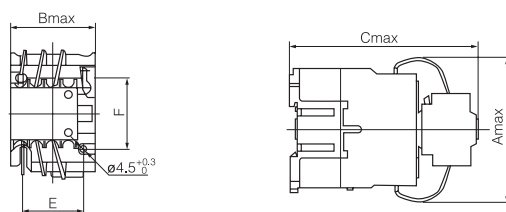


Photo 1 CJ19-25~43

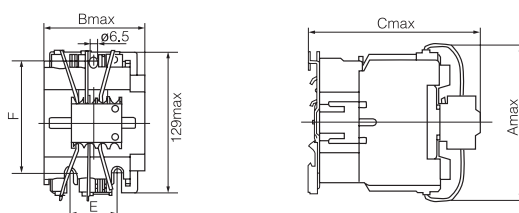


Photo 2 CJ19-63~95

Modle	Amax	Bmax	Cmax	E	F
CJ19-25	117	47	123	35	50/60
CJ19-32	130	58	130	40	50/60
CJ19-43	130	58	135	40	50/60
CJ19-63	170	79	150	40	100/110
CJ19-80	200	87	158	40	100/110
CJ19-95	200	87	158	40	100/110

STRUCTURE FEATRUES

Contactor is of direct action type double breakpoint structure, contact system has two layers, there are three current-limiting contacts at the first layer, together with current-limiting resistance, when it switches on, the contact will turn on after a few seconds.

CJ19-25~43 have two auxiliary contacts, CJ19-63~95 have three auxiliary contacts.

For CJ19-25~43, Screws are available for installation, as well as the 35mm standard din rail

For CJ19-63~95, 35mm or 75mm standard din rail can be mounted are available for installation

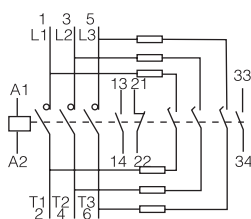


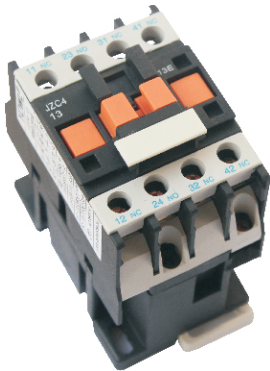
Photo 3 Example: CJ19-63/21、95/21

CONTRROLLING CIRCUIT

When ordering, you should point out the below:

Model, rated operational voltage and frequency of coil and quantity

Example: Changeover capacitor contactor CJ19-32/11 AC 220V 50Hz 500PCS



APPLICATION

JZC4 series contactor relays mainly used in AC 50Hz or 60Hz, rated working voltage up to 380V and DC rated voltage up to 220V

The relay control, signal transduction, isolation amplifier and other circuits for turning, breaking, amplification purposes.

MODEL AND MEANING

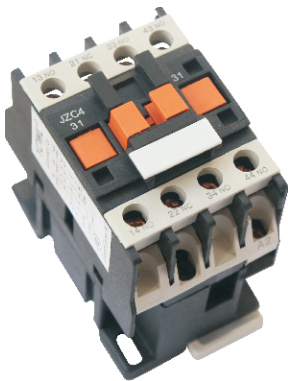
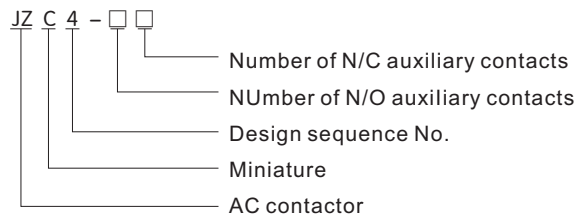
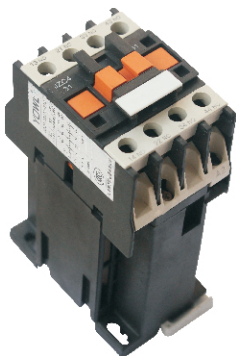


Table 1

Type	Contacts	
	N/O	N/C
JZC4-40	4	0
JZC4-31	3	1
JZC4-22	2	2
JZC4-13	1	3
JZC4-04	0	4
F4-11	1	1
F4-20	2	0
F4-02	0	2
F4-13	1	3
F4-31	3	1
F4-22	2	2
F4-40	4	0
F4-04	0	4



NORMAL RUNNING AND INSTALLATION CONDITIONS

- Ambient air temperature: -5℃~+40℃, the average value should not exceed +35℃ within 24 hours.
- Elevation: At most 2000m.
- Atmospheric conditions: When the temperature at 40, the relative humidity of atmosphere should be at the most 50%. When at relatively low temperatures, it could have higher relative humidity. Monthly maximum relative humidity could be not more than 90%. Special measures should be taken due to occurrence of dews.
- Class of pollution: Class 3
- Installation category: III
- Installation conditions: Degree of inclination between fitting surface and vertical surface should not exceed $\pm 5^\circ$
- Impact shock: Product should be installed and used in the place where often shakes and impacts.

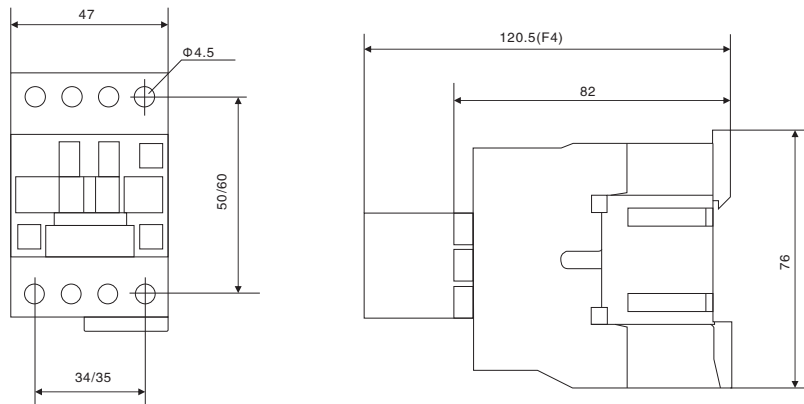
TECHNICAL PARAMETER

●Pick up: 85%Us~110%Us; Release: 20%Us~75%Us。

Table 2

Rated insulation voltage(V)	Conventional heating current(A)	Minimum load(Work reliably)	Rated control power		Electrical life (Operations 10 ⁴)	Mechanical life (Operations 10 ⁴)	Operations/h (10-1)	Coil voltage UsV(AC)
			DC-13	AC-15				
660	10	6V × 10mA	220V 33W	380V 360VA	100	1000	1200	24、(36)、48、110 (127)、220、380

OVERALL AND MOUNTING DIMENSIONS



CONTROLLING CIRCUIT

When ordering, you should point out the below:

Model, rated operational voltage and frequency of coil and quantity

Example: Changeover capacitor contactor JZC4-22 AC 220V 50Hz 500PCS

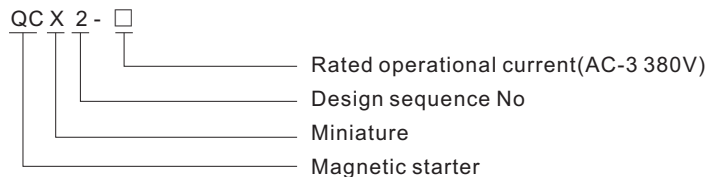


QCX2-09~18

APPLICATION

QCX2 series magnetic starter is suitable for starting and stopping 3-phase squirrel-cage motor in the circuit of AC 50/60Hz, rated insulation voltage 690V, under AC3 utilization category, rated operational voltage 380V, rated operational current range from 9A to 95A. The magnetic starter with thermal overload relay are protect AC 3-phase motor against overland and phase losing.

MODEL AND MEANING



NORMAL RUNNING AND INSTALLATION CONDITIONS

- Ambient air temperature: -5℃~+40℃, the average value should not exceed +35℃ within 24hours.
- Elevation: at most 2000m.
- Atmospheric conditions: When the temperature at 40℃, the relative humidity of atomsphere should be at the most 50%. When at relatively low temperatures, it could have higher relative humidity. Monthly maximum relative humidity could be not more than 90%. Special measures should be taken due to occurrence of dews.
- Class of pollution: Class 3
- Installation category: III
- Installation conditions: Degree of inclination between fitting surface and vertical surface should not exceed ±5°
- Impact shock: Product should be installed and used in the place where often shakes and impacts.



QCX2-25~32

TYPE OF CONSTRUCTION

Magnetic starter has a case with protection category IP65, JRS4 thermal overload relay connect with terminals through three wires, and fix together with CJX2 contactor. There are two buttons on the case, green one is "turn on" , red one is "turn off " or "reset" .

MAIN TECHNICAL PARAMETER

Parameter Item	Rated operational current (A) 380V		Conventional heating current(A)	Power of controllable 3-phase squirrel-cage motor(kW)AC-3			Average power consumption VA(20℃)50Hz		Unit weight (kg)
	AC3	AC4		220V	380V	660V	Pick-up	Holding	
QCX2-09	09	3.5	20	2.2	4	5.5	76	9.4	0.9
QCX2-12	12	5	20	3	5.5	7.5	76	9.4	0.9
QCX2-18	18	7.7	32	4	7.5	10	76	9.4	0.92
QCX2-25	25	8.5	40	5.5	11	15	110	11	1.3
QCX2-32	32	12	50	7.5	15	18.5	110	11	1.33
QCX2-40	40	18.5	60	11	18.5	30	230	32	3.65
QCX2-50	50	24	80	15	22	33	230	32	3.65
QCX2-65	65	28	80	18.5	30	37	230	32	3.65
QCX2-80	80	37	110	22	37	45	230	32	3.8
QCX2-95	95	44	110	25	45	55	230	32	3.8

OVERALL AND MOUNTING DIMENSIONS

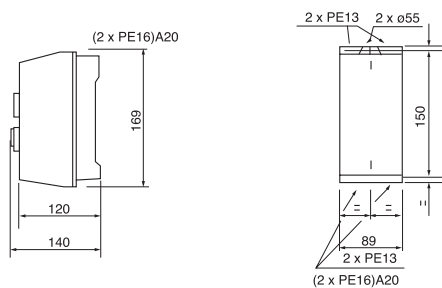


Photo 1 QCX2-09~18

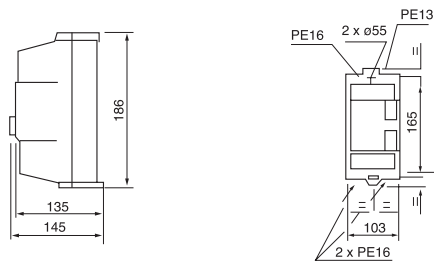


Photo 2 QCX2-25~32

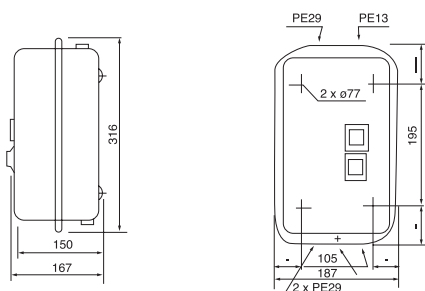
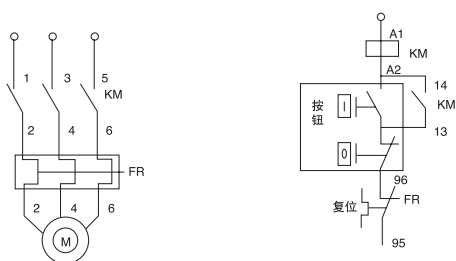


Photo 3 QCX2-40~95

WIRING SCHEME



CONTROLLING CLRCUIT

When ordering, you should point out the below:

Model, rated operational voltage and frequency of coil and quantity

Example: Magnetic starter QCX2-40 220V 50Hz 60PCS



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