COMPANY INTRODUCE

Established in 1990, HOCH Group Co., Ltd. is a multiplex industrial group engaged in providing low-voltage electric appliances, electronic products and parts, 3-star hotel service, investment and trade service, and modern furniture.

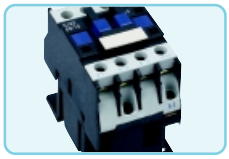
The group now govern 7 specialized companies, more than 300 specialized cooperation companies, and 2,000 staff. The factory covers an area of 30, 000 square meters. Also, our group owns a 3-star hotel. It is unique in Liushi Town.Moreover, we have the best team doing import-export business for group. Theproducts are sold to more than 30 countries all over the world. It is specialized in AC contactors, kilowatt-hour meters and OEM mould development, fingerprint applicant systems, IC card systems, IP telephone series products, water treatment systems, modern furniture and daily necessities of more than 50 series, 200 varieties, and 2,000 kinds of specifications.

Technical with quality is one of the most important elements for our group's innovation and improvement. Our group has the abundant technical development strength and first-class examination equipment. Group has initially taken shape of technological development center for the main multi-level networks and development of open technical sets scientific research, education, training, integrating the development of "technology chain". In order to develop science and technology, our group explicitly stipulates that every year 5% income from the sale is used to develop science and technology. We have regular science and technology congress that will pride the personnel who devotes to scientific and technological development. We have built technical service center, which provides better and more specialized service for customers. In the list of our products, many items have passed through national new technology new product appraisal, and partial products were evaluated as provincial level science and technology item by the Provincial Science Committee, and we have applied for and registered some patents in the national patent office.

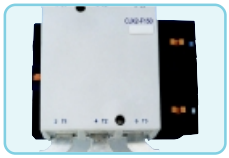
Presently, we are looking forward to even greater cooperation with overseas customers based on mutual benefits. Please feel free to contact us for more details.

HOCH GROUP CO.,LTD.
Http://www.hoch.com.cn
E-mail:hoch@hoch.com.cn

CONTENTS



P/01-07
CJX2 Series AC Contactor



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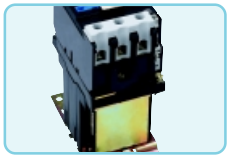

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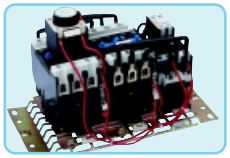

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P/37-38
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JRS4 Series Thermal Overload Relay

HOCH 沪川集团

CJX2 Series AC contactor

CJX2–09

1. 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.

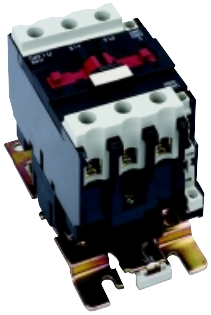
This product conforms to GB14048.4、IEC60947-4-1 standard.

CJX2–18

2. MODEL AND MEANING

CJ X 2 – □ □ □ □

- 4 :4N/O main contacts, 8:2N/O + 2 N/C main contacts
- Number of N/C auxiliary contacts
- Number of N/O auxiliary contacts
- Rated operational current£®AC-3 380V£©
- Design sequence No.
- Miniature
- AC contactor



CJX2–65

3. NORMAL RUNNING AND INSTALLATION CONDITIONS

3.1 Ambient air temperature: -5℃~+40℃, the average value should not exceed +35℃ within 24 hours.

3.2 Elevation: at most 2000m.

3.3 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.

3.4 Class of pollution:Class 3

3.5 Installation category:III

3.6 Installation conditions: Degree of inclination between fitting surface and vertical surface should not exceed ±5°.

3.7 Impact shock: Product should be installed and used in the place where often shakes and impacts.

CJX2–95

4. CONSTRUCTION FEATURES

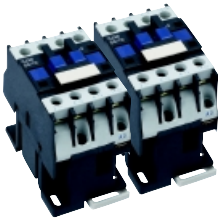
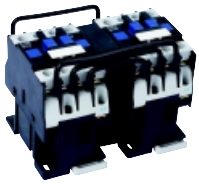
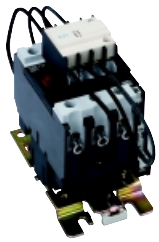
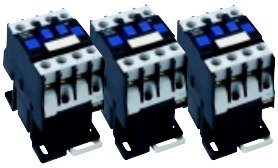
4.1 Adopt building block system to mount auxiliary contactor block, air delay auxiliary contactor, thermal overload relay and so on, which can be combined into multiple derived series product.

4.2 Contactor has the advantage of Small volume, light, low consumption, high life, good safety.

4.3 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.

4.4 Contactor can not only use screw mounting, but also use 35mm[CJX-09~95],75mm [CJX-40~95] and2 x 35mm[CJX-115~170] international standard Din-rail mounting ⊓⊔⊓ .

Table 1

Derived Code	Contactor	Auxiliary Blocks	Picture
Time-delay Contactor		 Timer Delay	
Reversing Contactor		 Mechanical Interlock	
Magnetic Starter		 Thermal Overload Relay	
Changeover capacitor contactor		 CJ19 Changover Device	
Star–delta Starter		 Delay Timer  Auxiliary Contact	

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

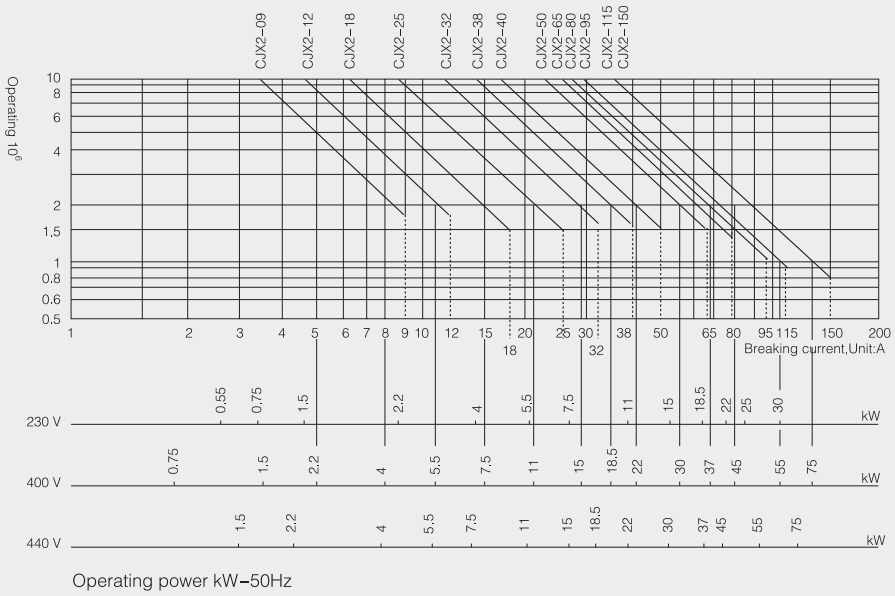
CJX2–115

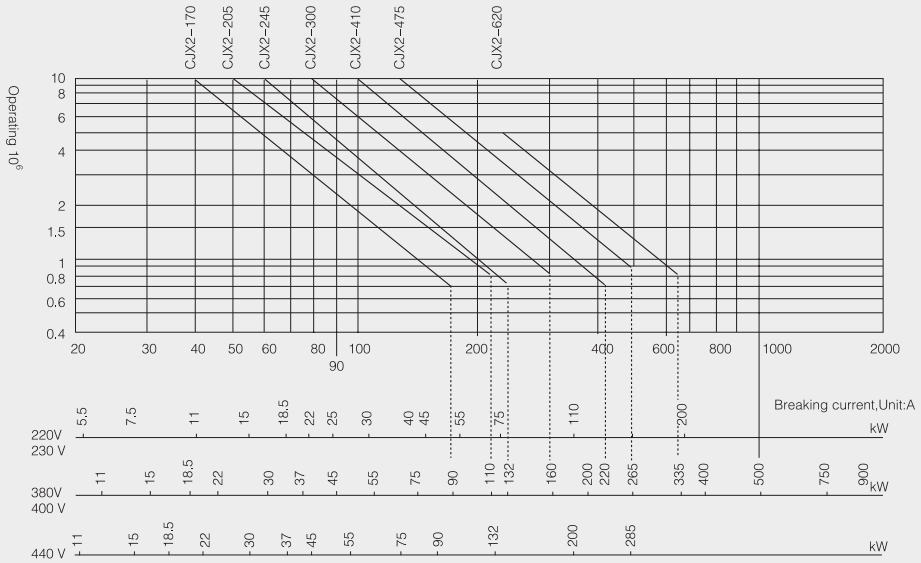
CJX2–205

CJX2–300

CJX2–620

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





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

6. MAIN TECHNICAL PARAMETER

6.1 Main parameter and technical characteristic (Table2, Table3)

Table 2

Item / Parameter / Model			CJX2-09	CJX2-12	CJX21-18	CJX2-25	CJX2-32	CJX2-40	CJX2-50	CJX2-65	CJX2-80	CJX2-95
Eated 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	10	10
Mechanical life (10^4 operations)			1000	1000	1000	1000	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) (20°C)	50Hz	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

Table 3

Item / Parameter / Model			CJX2-115	CJX2-150	CJX21-170	CJX2-205	CJX2-245	CJX2-300	CJX2-410	CJX2-475	CJX2-620
Eated 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	1000	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 (10^4operations)			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) (20°C)	50Hz	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

6.2Operating characteristic: pick–up voltage:85%Us~110%Us; drop–out voltage: 20%Us~75%Us

6.3 Model and basic parameters of Auxiliary contact(Table 4)

Table 4

Model		F4–11	F4–20	F4–02	F4–40	F4–31	F4–22	F4–13	F4–04	F8–11	F8–20	Notes
Number of Auxiliary contact	常开 NO	1	2	0	4	3	2	1	0	1	2	
	常闭 NC	1	0	2	0	1	2	3	4	1	0	
Photo												Rated insulation voltage: 690V Control capacity:AC–15 360VA DC–13 33W Conventional heating current: 10A

6.4 Cable connection (min/ largest cross–sectional area) Table5,Table6

Table 5(Unit：mm²)

Parameter / Cable connection	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
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	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

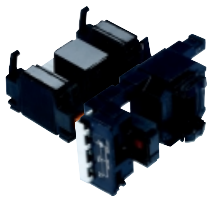
Parameter / Cable connection	Model	CJX2–205	CJX2–245	CJX2–300	CJX2–410	CJX2–475	CJX2–620
Number of piece		1	1	1	2	2	2
Wire cross–sectional(mm²)		150	185	240	150	240	240
Number of piece		2	2	2	2	2	2
Cu busbar(mm)		25 x 3	32 x 4	30 x 5	30 x 5	40 x 5	60 x 5
Bolt connection		M8	M10	M10	M10	M10	M12

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

Table 7

Coil code / Frequency \ Control voltage	24	36	48	110	127	220	240	380	415	440	480	500	600	660
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 / Model \ Control voltage(V)	110	127	220	380	Photo
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	

7. OVERALL AND MOUNTING DIMENSIONS

Photo1 CJX2–09~32

CJX2–25008

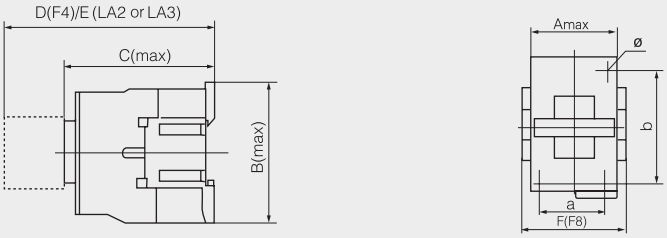


Photo2 CJX2–40~95

CJX2–40004

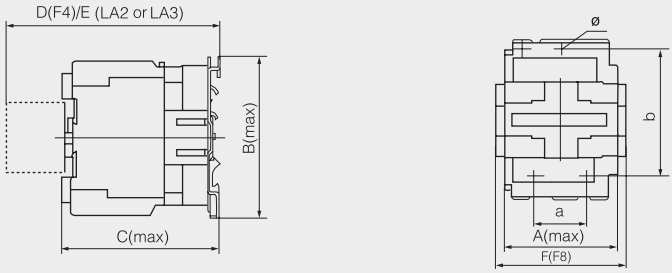


Photo3 CJX2–115~170

CJX2–95008

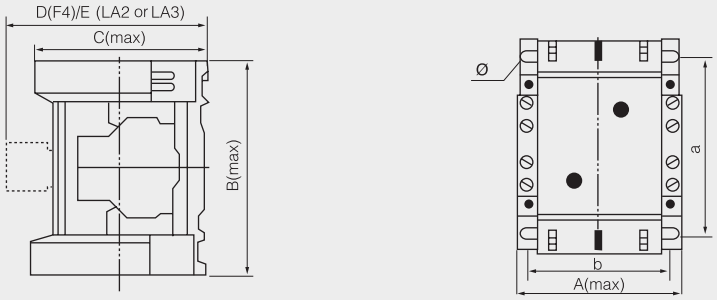


Photo4 CJX2–205~300

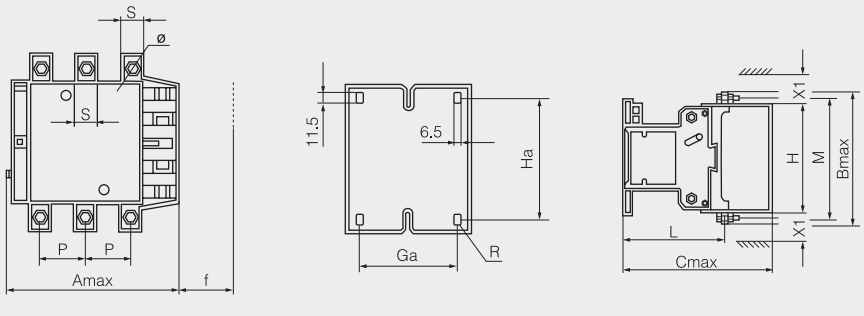


Photo5 CJX2–410~475

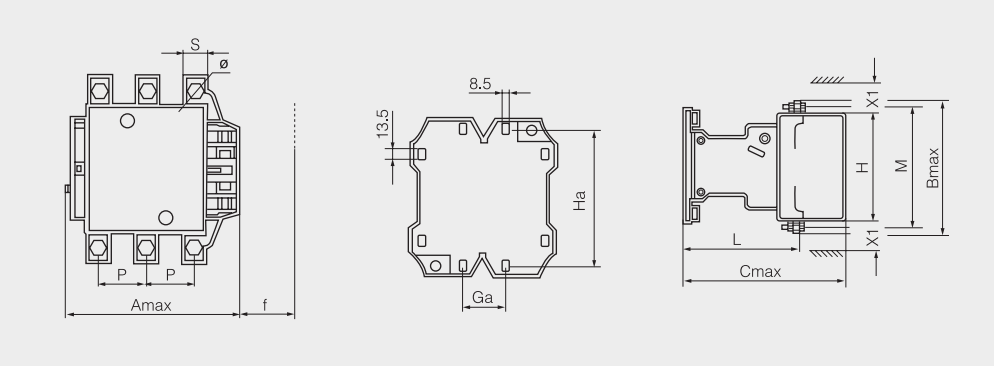


Photo6 CJX2–620

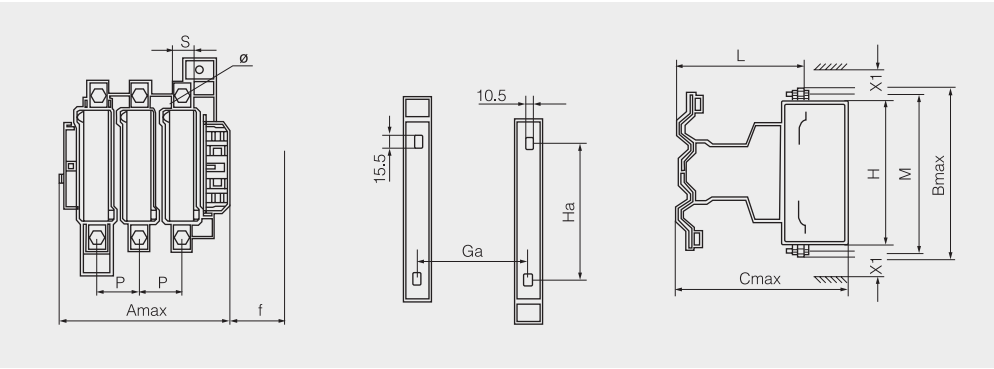


Table 9(Unit：mm)

Model	Amax	Bmax	Cmax	Dmax	Emax	Fmax	a	b	ø
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	Ø	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

8. ORDERING INSTRUCTIONS

When ordering,you should point out the below:

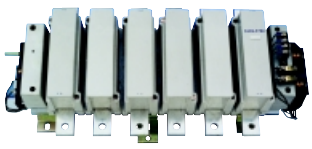
1. Product name and model, rated operational voltage and frequency for coil, order quantity.
   Ordering example: CJX2–40 AC 220V 50Hz 60PCS

CJX2-F Series AC Contactor

CJX2–F115

CJX2–F150

CJX2–F630



CJX2–F780

1. 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.

2. MODEL AND MEANING

CJ X 2 – F□ □

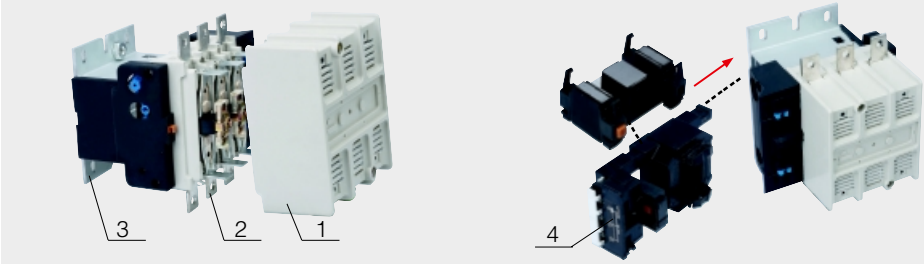
- Number of poles (2 or 4 pole,without number :3pole)
- Rated operational current (AC–3 380V)
- Structure Derived code
- Design sequence No.
- Miniature
- AC contactor

3. NORMAL RUNNING AND INSTALLATION CONDITIONS

3.1 Ambient air temperature: –5℃ ~ +40℃, the average value should not exceed +35℃ within 24 hours.
3.2 Elevation: at most 2000m.
3.3 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.
3.4 Class of pollution:Class 3
3.5 Installation category: III
3.6 Installation conditions: Degree of inclination between fitting surface and vertical surface should not exceed ▮|
3.7 Impact shock: Product should be installed and used in the place where often shakes and mpacts.

4. CONSTRUCTION FEATURES

Photo1 CJX2–F115~F265 contactor structure diagram



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

4.2 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 amarture 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.
4.3 The contactor can add two auxiliary contact blocks, which will have 8 extra contacts
4.4 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 excel lent complementary element used for an electric control device and occupies smaller space in a complete set of equipment.
4.5 Adopt building block system to mount auxiliary contact block, air delay auxiliary contactor and so on.
4.6 The mechanical interlock can be added to the contatcor in both horizontal direction and vertical direction.
4.7 The contactor can be made to two poles, three poles or four poles contactors.

5. MAIN PARAMETER AND TECHNICAL CHARACTERISTIC

Table1

Item / Parameter / Model	Conven-tional heating current (A)	Rated operational current (A) AC-3			Power of controllable 3-phase squirrel-cage motor(kW) AC-3			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)		
		380V	660V	1000V	380V	660V	1000V				Model	2P	3P	4P
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	–

5.1 Operating characteristic

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

5.1.2 Drop-out voltage: 20%Us~75%Us

5.2 Main code of coil (Table2)

Table 2

Coil code / Control voltage (V) / Contactor model	110	127	220	380	Average power consumption(20°C) Pick-up(VA)	Holding(VA)	Unit weight (kg)	Photo
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	FH380	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	

6. CABLE CONNECTION

Table 3

Parameter / Model / Cable connection	CJX2-F115	CJX2-F150	CJX2-F185	CJX2-F225	CJX2-F265	CJX2-F330	CJX2-F400	CJX2-F500	CJX2-F630	CJX2-F780	CJX2-F800
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 x 3	25 x 3	25 x 3	32 x 4	32 x 4	30 x 5	30 x 5	40 x 5	60 x 5	60 x 5	60 x 5
Bolt connection	M6	M8	M8	M10	M10	M10	M10	M10	M12	M12	M12

7.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
	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	2P	3P	4P	2P	3P	4P	2P	3P	4P	3P
Amax	167	204	167	204	170	211	170	211	202	247	218	261	215	215	261	235	235	288	310	310	389	310
Bmax	163	163	171	171	175	175	175	175	203	203	210	210	210	210	210	240	240	240	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
P	37	37	40	40	40	40	48	48	48	48	48	48	48	48	48	55	55	55	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
ø	M6	M6	M8	M8	M8	M8	M10	M10	M10	M10	M10	M10	M10	M10	M10	M10	M10	M10	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
M	147	147	150	150	154	154	172	172	178	178	181	181	181	181	181	208	208	208	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
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
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
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
Ga	80	80	80	80	80	80	80	80	96	96	96	96	80	80	80	80	80	80	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

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

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

Photo1 CJX2-F115~F330

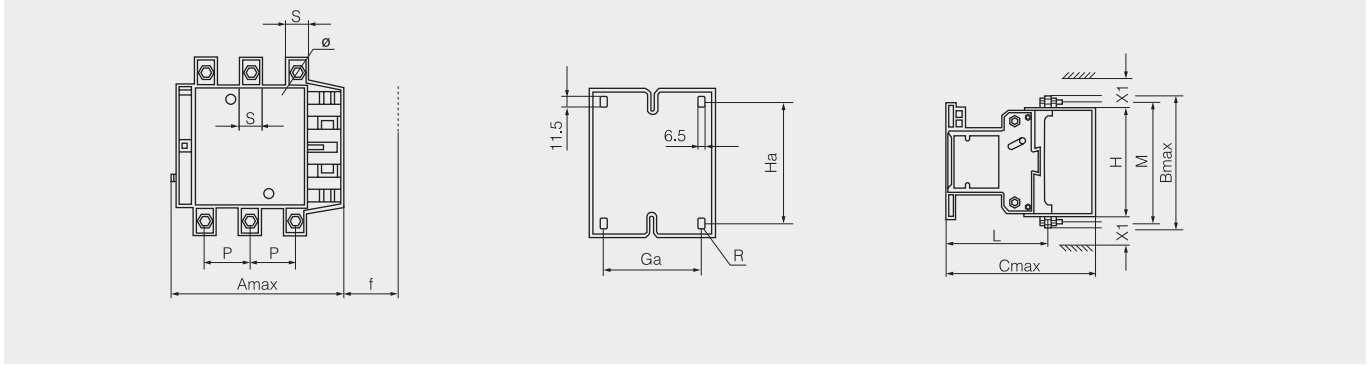


Photo 2 CJX2-F400~F500

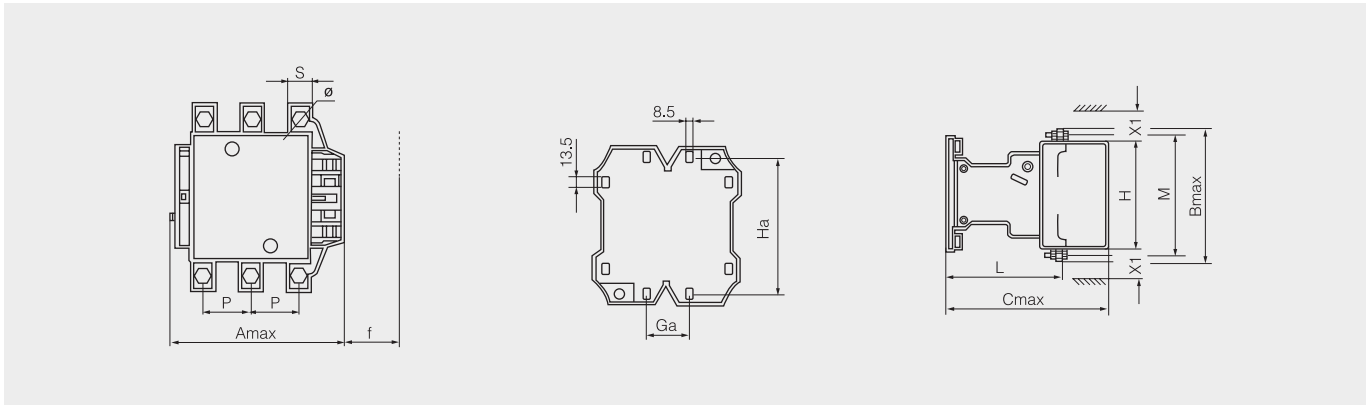


Photo 3 CJX2–F630~F800

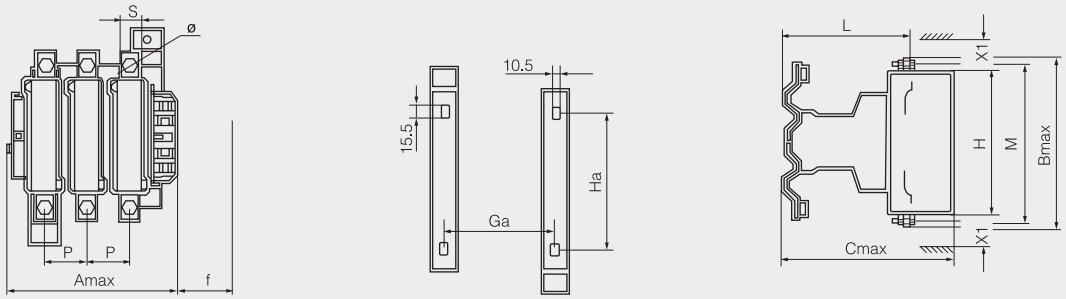
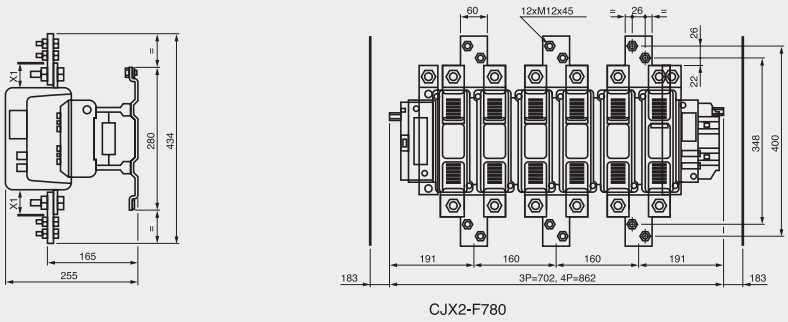


Photo 4 CJX2–F780



8. ORDERING INSTRUCTIONS

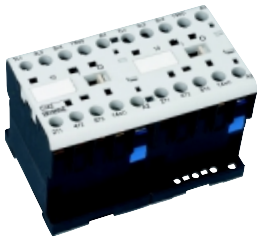
When placing an order, you should point out the below:

1. Product name and model, rated operational voltage and frequency of coil, order quantity.
   Ordering example: CJX2–F265 AC 220V 50Hz 60PCS

CJX2-K Series AC Conatctor

CJX2–K12

CJX2–K09N



CJX2–K09NZ

F4–K11

1. APPLICATION

CJX2–K series 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 and rated current up to 12A, 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 GB14048.4、IEC60947–4–1 standard.

2. MODEL AND MEANING

CJ X 2 –K □ □ □ N Z

- Z: DC operate, NO Z: AC operate
- N: Reversing contactor, NO N: single contactor
- Number of N/C auxiliary contacts
- Number of N/O auxiliary contacts
- Rated operational current (AC–3 380V)
- Structure Derived code
- Design sequence No.
- Miniature
- AC contactor

3. NORMAL RUNNING AND INSTALLATION CONDITIONS

3.1 Ambient air temperature: –5℃ ~ +40℃, the average value should not exceed +35℃ within 24 hours.

3.2 Elevation: at most 2000m.

3.3 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.

3.4 Class of pollution:Class 3

3.5 Installation category: III

3.6 Installation conditions: Degree of inclination between fitting surface and vertical surface should not exceed ▮|

3.7Impact shock: Product should be installed and used in the place where often shakes and impacts.

4. MAIN PARAMETER AND TECHNICAL CHARACTERISTIC

Table1

Parameter / Item	Model		06	09	12
Rated operational current(A)	380V	AC–3	6	9	12
		AC–4	2.6	3.5	5
Rated insulation voltage(V)			690	690	690
Conventional heating current(A)			16	16	16
Power of controllable 3–phase squirrel–cage motor(kW) AC–3	220V		1.5	2.2	3
	380V		2.2	4	5.5
	660V		3	5.5	7.5
Operational frequency (operations/h)	Electric life	AC–3	1200	1200	1200
		AC–4	300	300	300
	Mechanical life		3600	3600	3600
Electric life (10^4operations)		AC–3	50	50	50
		AC–4	10	10	10
Mechanical life (10^4 operations)			1000	1000	1000

Table 2

Parameter / Item		Model	06	09	12
Auxiliary contact block	Combination		F4–K20、F4–K02、F4–K11、F4–K31 F4–K13、F4–K40、F4–K04		
	Conventional heating current		6A	6A	6A
	Control capacity		AC–15 360VA；DC–13 33W		
Matching fusing model			RT16–16	RT16–16	RT16–16
Average power consumption(VA) 50Hz 20°C	Pick–up		30	30	30
	Holding		4.5	4.5	4.5
Number of piece			1	1	1
Cable (mm^2)			2.5	2.5	2.5
Screw size			M3	M3	M3
Tightening torque (N • m)			0.5	0.5	0.5
Unit weight (kg)	CJX2–K		0.18	0.18	0.18
	CJX2–KN		0.36	0.36	0.36
	CJX2–KZ		0.18	0.18	0.18

5. OVERALL AND MOUNTING DIMENSIONS

Photo 1 CJX2–K06~K12

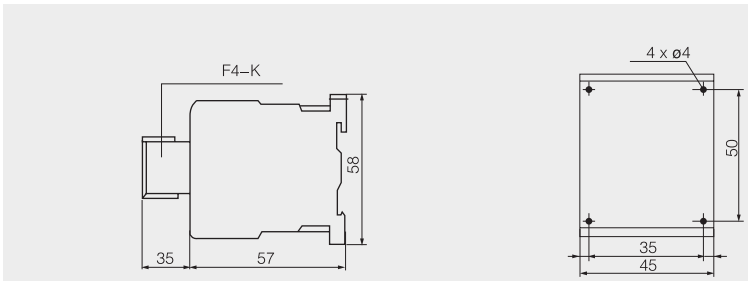
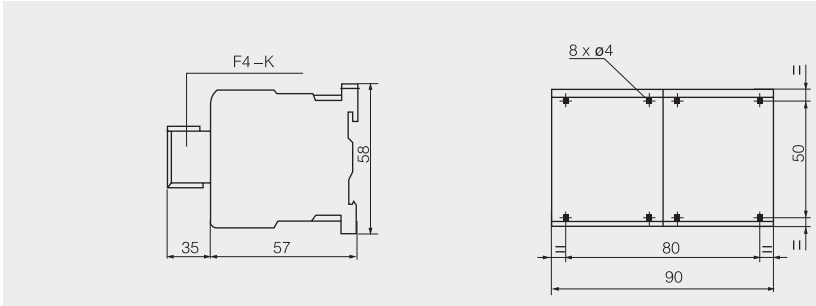


Photo 2 CJX2–K06N~K12N



6. 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–K0910 AC 220V 50Hz 10PCS

CJX2-E Series AC Conatctor

1. APPLICATION

CJX2–E06

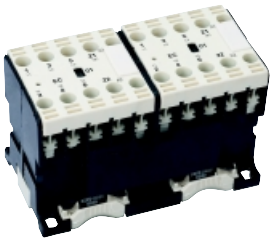
CJX2–E series AC contactor(hereinafter to be referred as contactor), it mainly applies to the circuit of AC 50Hz/60Hz, and rated insulation voltage 690V. When used in AC–3, and rated operational voltage 380V, rated current up to 9A, for long distance breaking circuit and frequently starting or control the motor. Combined with proper thermal overload relay can protect load circuit. Contactor can frequently start and control AC electromotor.

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

2. MODEL AND MEANING

CJ X 2 –E □ □ □ N

- N: Reversing contactor, NO N: single contactor
- Number of N/C auxiliary contacts
- Number of N/O auxiliary contacts
- Rated operational current (AC–3 380V)
- Structure Derived code
- Design sequence No.
- Miniature
- AC contactor



CJX2–E09N

3. NORMAL RUNNING AND INSTALLATION CONDITIONS

3.1 Ambient air temperature: –5℃ ~ +40℃, the average value should not exceed +35℃ within 24 hours.

3.2 Elevation: at most 2000m.

3.3 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.

3.4 Class of pollution:Class 3

3.5 Installation category: III

3.6 Installation conditions: Degree of inclination between fitting surface and vertical surface should not exceed ▮I

3.7 Impact shock: Product should be installed and used in the place where often shakes and impacts.

F4–E11

4. MAIN PARAMETER AND TECHNICAL CHARACTERISTIC

Table 1

Parameter / Item			Model 06	09
Rated operational current (A)	380V	AC–3	6	9
		AC–4	2.6	3.5
Rated insulation voltage (V)			690	690
Conventional heating current (A)			16	16
Power of controllable 3–phase squirrel–cage motor(kW) AC–3	220V		1.5	2.2
	380V		2.2	4
	660V		3	5.5
Operational frequency (operations/h)	Electric life	AC–3	1200	1200
		AC–4	300	300
	Mechanical life		3600	3600
Electric life (10^4operations)		AC–3	50	50
		AC–4	10	10
Mechanical life (10^4 operations)			1000	1000

Table 2

Parameter / Item	Model	06	09
Auxiliary contact block	Combination	F4–E20 、F4–E02、F4–E11	
	Conventional heating current	6A	6A
	Control capacity	AC–15 360VA；DC–13 33W	
Matching fusing model		RT16–16	RT16–16
Average power consumption(VA) 50Hz 20°C	Pick–up	30	30
	Holding	4.5	4.5
Number of piece		1	1
Cable (mm^2)		2.5	2.5
Screw size		M3	M3
Tightening torque (N • m)		0.5	0.5
Unit weight (kg)	CJX2–E	0.15	0.15
	CJX2–EN	0.3	0.3

5. OVERALL AND MOUNTING DIMENSIONS

Photo 1 CJX2–E06~E09

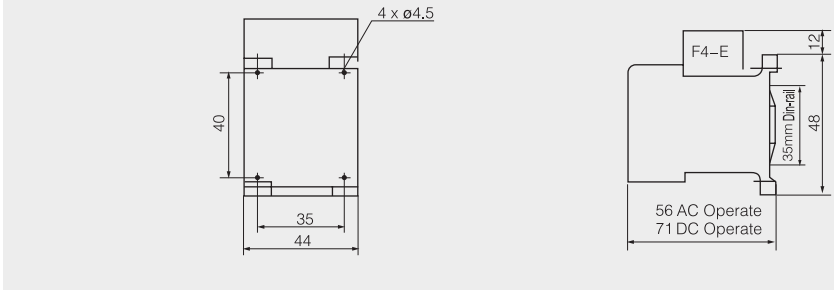
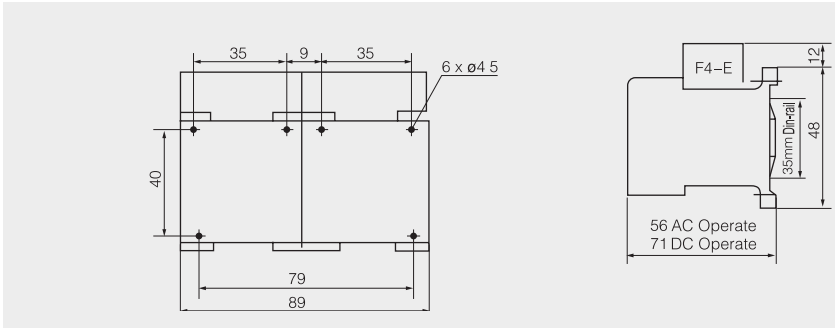


Photo 2 CJX2–E06N~E09N



6. 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–E0910 AC 220V 50Hz 10PCS.

JZC4 Series Contactor Type Relay

JZC4–22

1. APPLICATION

JZC4 series contactor type relay(hereinafter referred to as relay)applies to the circuit of AC 50Hz/60Hz, rated insulation voltage 690V and DC voltage up to 600V, so that it can control many kinds of magnetic coil, amplify signals and sending them to ralated control element. Moreover, JZC4 series contact type relay used with pneumatic time delay block can be assembled to pneumatic time delay relay.

The product conforms to IEC60947–4–1 stardand.

2. MODEL AND MEANING

JZC 4 – □ □ □

- □: "Z": DC operate / No "Z": AC contactor
- □: Number of N/C contact
- □: Number of N/C contact
- 4: Design sequence No.
- JZC: Contactor type ralay

JSK

JZC4–31Z

3. NORMAL RUNNING AND INSTALLATION CONDITIONS

3.1 Ambient air temperature: –5℃ ~ +40℃, the average value should not exceed +35℃ within 24 hours.

3.2 Elevation: at most 2000m.

3.3 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.

3.4 Class of pollution:Class 3

3.5 Installation category: III

3.6 Installation conditions: Degree of inclination between fitting surface and vertical surface should not exceed ▮|

3.7 Impact shock: Product should be installed and used in the place where often shakes and impacts.

4. CONSTRUCTION FEATURES

4.1This relay has the advantage of small volume, light, long service life, low consume, easy installation and reliable.

4.2 The surface of relay and auxiliary contactor block adopts forcible friction, and it has self–cleaning action. Web contact improve the contact reliability.

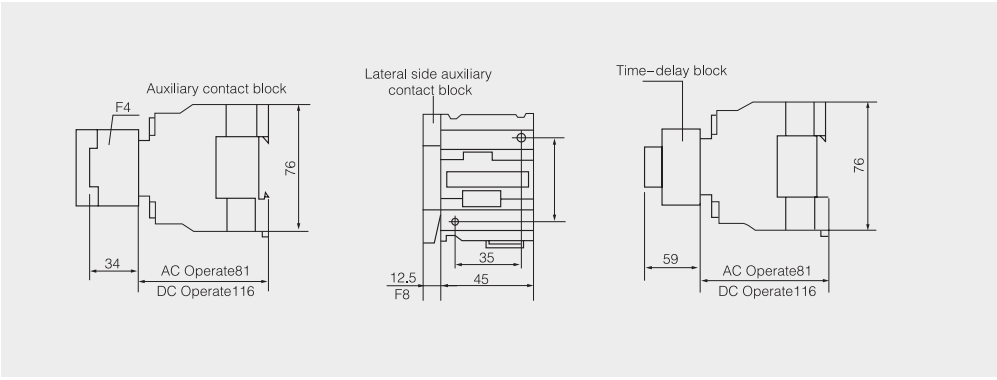
4.3 It can retrofit F4 auxiliary contactor block on top and F8 auxiliary contactor block on the side by the installation modes of building block and to increase the quantity of auxiliary contact.Pneumatic time delay relay block can be retrofited to be pneumatic time delay relay of JSK，JS23，JZD2–S.

4.4 Relay can be mounted by 35mm ⊐⊔⊏ standard Din–rail mounting besides Screw installation

5. TECHNICAL PARAMETER

Item \ Parameter / Model		JZC4	JZC4-Z
Rated insulation voltage (A)		690	690
Conventional heating current (A)		10	10
Rated controllable capacity	AC-15 (VA)	360	360
	DC-13 (W)	33	33
Rated operational current	AC-15 380V (A)	0.79	0.79
	DC-13 220V (A)	0.15	0.15
Operational frequency (operations/h)		3600	3600
Mechanical life(10^4 operations)		1000	1000
Electric life (10^4 operations)		100	100
Average power consumption(VA) (20°C) 50Hz	Pick-up	60	60
	Holding	7	7
Cable connection: Flexible cable without terminal	a cable	1/4	1/4
	two cables	1/4	1/4
Flexible cable with terminal	a cable	1/4	1/4
	two cables	1/2.5	1/2.5
Inflexible cable without terminal	a cable	1/4	1/4
	two cables	1/4	1/4
Operating characteristic		pick-up voltage: 85%Us~110%Us; Drop-out voltage: 20%Us~75%Us	
Screw size		M3.5	M3.5
Tightening torque (N · m)		0.8	0.8
Unit weight (kg)		0.33	0.58

6. OVERALL AND MOUNTING DIMENSIONS



7. 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: Contactor type relay JZC4-22 AC 220V 50Hz 500PCS.

CJX2-Z Series DC Pperated AC Contactor

CJX2–09Z

CJX2–25Z

CJX2–40Z

CJX2–80Z

1. 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 cimbined with the auxiliary contact block, time–delay block, thermal overload relay devices etc.

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

2. MODEL AND MEANING

CJ X 2 – □ □ □ □ Z

- Z — DC Operate
- □ — 4N/O main contacts, 8：2N/O + 2 N/C main contacts
- □ — Number of N/C auxiliary contacts
- □ — Number of N/O auxiliary contacts
- □ — Rated operational current（AC–3 380V）
- 2 — Design sequence No.
- X — Miniature
- CJ — AC contactor

3. NORMAL RUNNING AND INSTALLATION CONDITIONS

3.1 Ambient air temperature: –5℃ ~ +40℃, the average value should not exceed +35℃ within 24 hours.

3.2 Elevation: at most 2000m.

3.3 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.

3.4 Class of pollution:Class 3

3.5 Installation category: III

3.6 Installation conditions: Degree of inclination between fitting surface and vertical surface should not exceed ▮I

3.7 Impact shock: Product should be installed and used in the place where often shakes and impacts.

4.MAIN TECHNICAL PARAMETER

4.1 Main parameter and technical characteristic (Table1)

表 1

Parameter / Item	Model		CJX2–09	CJX2–12	CJX2–18	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 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 (10^4operations)		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 (10^4operations)			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 Ith: 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

4.2 Rated controllable voltage of DC coil (Table2)

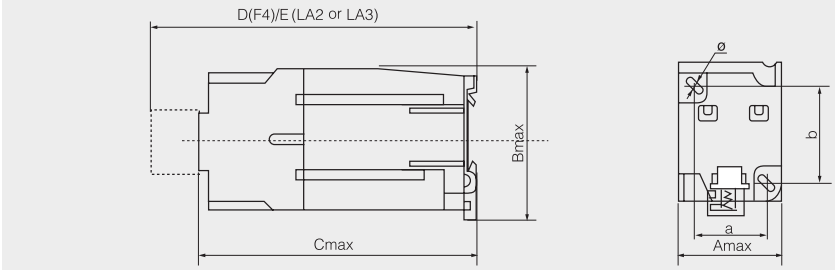
Table 2

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

5. OVERALL AND MOUNTING DIMENSIONS

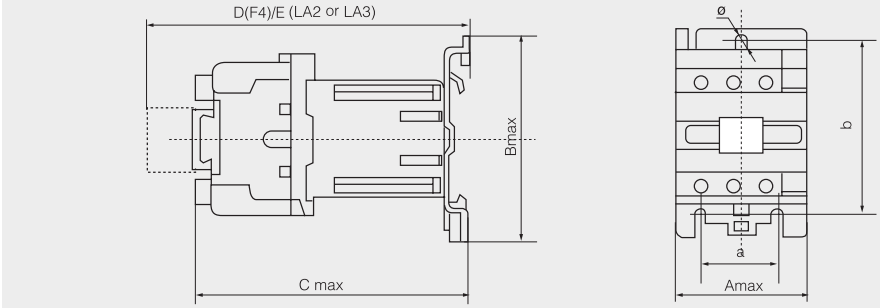
CJX2–25008

Photo 1 CJX2–09Z~32Z



CJX2–50004

Photo 2 CJX2–40Z~95Z



CJX2–80008

Table 3(Unit：mm)

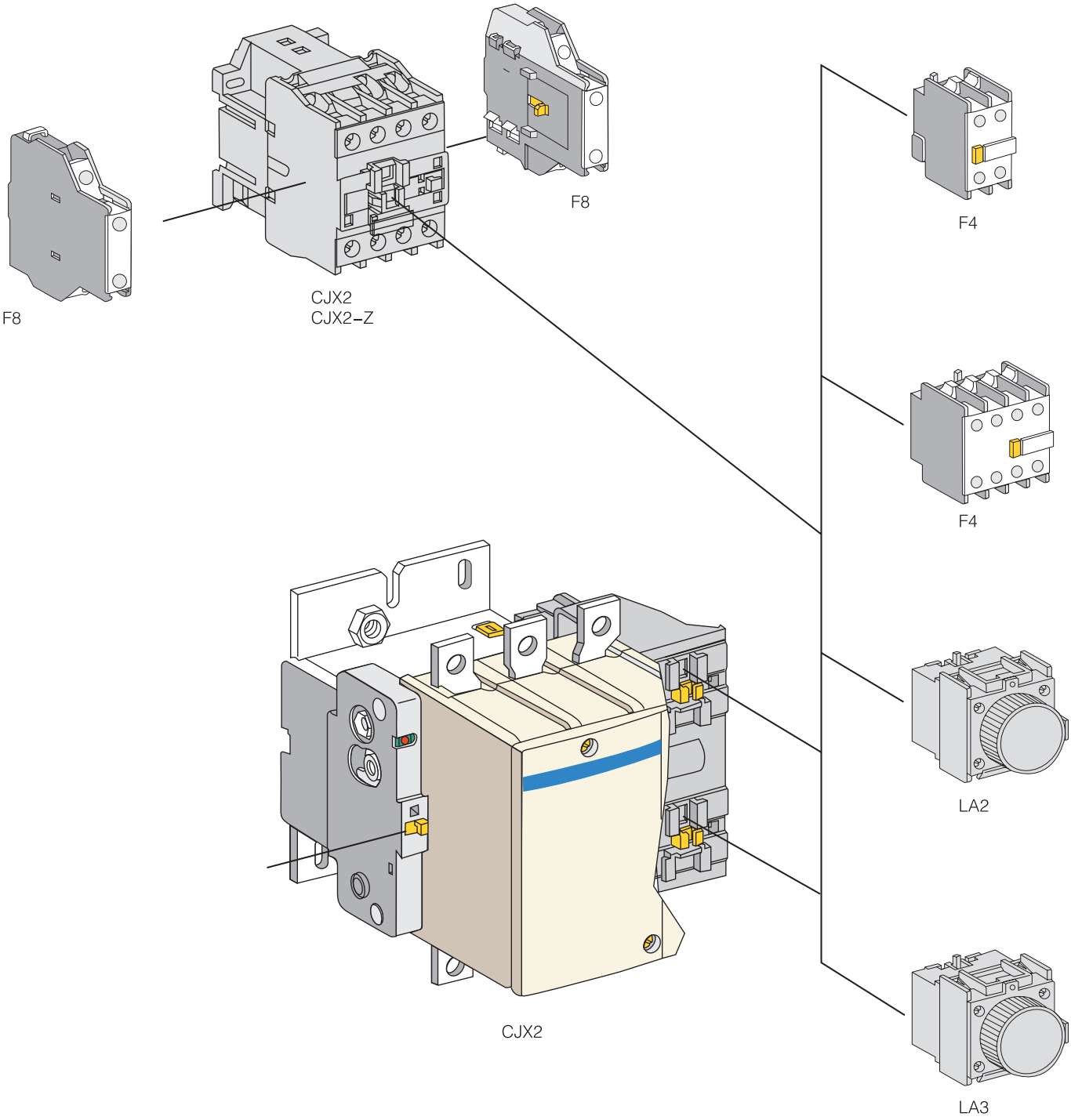
Product Model	Amax	Bmax	Cmax	Dmax	Emax	a	b	ø
CJX2–09Z~12Z	47	76	116	149	160	45	50/60	4.5
CJX2–18Z	47	76	120	157	177	45	50/60	4.5
CJX2–25Z	57	86	130	163	184	40	50/60	4.5
CJX2–32Z	57	86	135	168	189	40	50/60	4.5
CJX2–4011Z~6511Z	77	129	175	203	223	40	100/110	6.5
CJX2–40004Z~65004Z	85	129	174	203	223	40	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	100/110	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] 和 75mm[CJX2–40Z~95Z] ⊓ international standard Din–rail mounting.

6. 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: CJX2–0910 Z DC 220V 50Hz 10PCS


F8
CJX2
CJX2-Z
F8
F4
F4
LA2
CJX2
LA3

F4, F8 Series Auxiliary Contact Block

F4–11

1. 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.

2. MODEL AND MEANING

F □– □□

- Number of N/C auxiliary contact
- Number of N/O auxiliary contact
- Design sequence No.(4: front mount, 8：Lateral side mount)
- Auxiliary contact block

F4–22

3. AUXILIARY CONTACT BLOCK USAGE

Table1

Model	Structure	Number of contacts	Installable max number of auxiliary contact block		Unit weight (kg)
			Front mount	Lateral mount	
F4–11	1 1	2	1 只(CJX2–09~170) 2 只(CJX2–185~620) 2 只(CJX2–F115~F800)	–	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	–	2 只(CJX2–09~170)	0.048
F8–20	2 0	2			0.048

F8–20

4. 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–15 380 V 0.95A; DC–13 220V 0.15A	
Max operational frequency(operations/h)	3600	3600
Mechanical life （ 10^4operations ）	1000	1000
Electric life （ 10^4 operations ）	100	100

LA Series Timer delay block

1. APPLICATION

LA2–222

LA 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.

2. MODEL AND MEANING

LA □ – □ □

- Time–delay range：20：01~3S
  - 22：01~30A
  - 24：10~180S
- Design sequence No.(2、3)
- Time–delay method：2：Making time– delay
  - 3：Breaking time–delay
- Timer delay block

LA3–322

3. TIMER DELAY BLOCK USAGE

Table 1

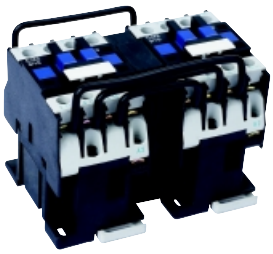
Model	Time–delay type	Range	Number of contacts	Installable max number of auxiliary contact block	Unit weight (kg)
LA2–220	Making time– delay	0.1~3S	1 NO+1NC	1 PCS (CJX2–09~170) 2 PCS(CJX2–185~620) 2 PCS(CJX2–F115~F800)	0.087
LA2–222	Making time– delay	0.1~30S			0.087
LA2–224	Making time– delay	10~180S			0.087
LA3–320	Breaking time–delay	0.1~3S			0.087
LA3–322	Breaking time–delay	0.1~30S			0.087
LA3–324	Breaking time–delay	10~180S			0.087

4. TECHNICAL PARAMETER

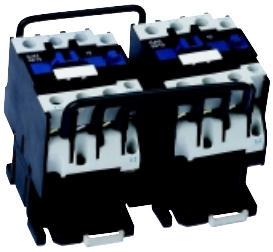
Table 2

Parameter / Model / Item	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

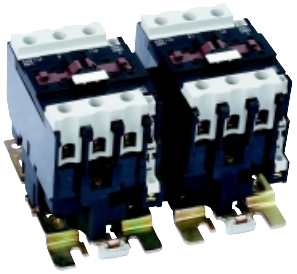
CJX2-N Series Reversing Contactor



CJX2–09N



CJX2–32N



CJX2–50N

CJX2–80N

1. 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.

2. MODEL AND MEANING

CJ X 2 – □ □ □ N □

- Istallation method: S: Horizontal installation C: Vertical installation
- Mechanical interlock
- Number of N/C auxiliary contacts
- Number of N/O auxiliary contacts
- Rated operational current (AC–3 380V)
- Design sequence No.
- Miniature
- AC contactor

3. NORMAL RUNNING AND INSTALLATION CONDITIONS

3.1 Ambient air temperature: –5℃ ~ +40℃, the average value should not exceed +35℃ within 24 hours.

3.2 Elevation: at most 2000m.

3.3 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.

3.4 Class of pollution: Class 3

3.5 Installation category: III

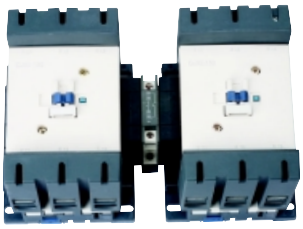
3.6 Installation conditions: Degree of inclination between fitting surface and vertical surface should not exceed ▮|

3.7 Impact shock: Product should be installed and used in the place where often shakes and impacts.

4. TECHNICAL PARAMETER

Table 1

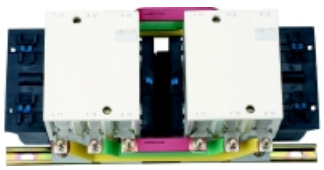
Parameter / Item	Model	CJX2–09N	CJX2–12N	CJX2–18N	CJX2–25N	CJX2–32N	CJX2–40N	CJX2–50N	CJX2–65N	CJX2–80N	CJX2–95N
Rated operational current(A)	380V AC–3	9	12	18	25	32	40	50	65	80	95
Power of controllable 3-phase squirrel-cage motor (kW) AC–3	220V	2.2	3	4	5.5	7.5	11	15	18.5	22	25
	380V	4	5.5	7.5	11	15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



CJX2–150N

Table 2

Parameter / Item	Model	CJX2–115N	CJX2–150N	CJX2–170N	CJX2–205N	CJX2–245N	CJX2–300N	CJX2–410N	CJX2–475N	CJX2–620N
Rated operational current(A)	380V AC–3	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



CJX2–F115N

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 current(A)	380V AC–3	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	–

5.OVERALL AND MOUNTING DIMENSIONS

CJX2–F205N

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

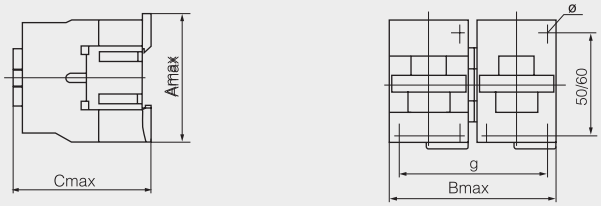


Photo 2 CJX2–40N~95N(Horizontal installation)

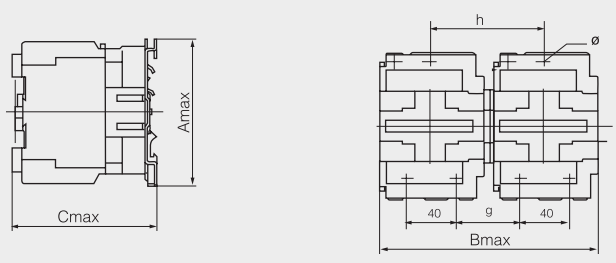


Photo 3 CJX2-115N~170N(Horizontal installation)

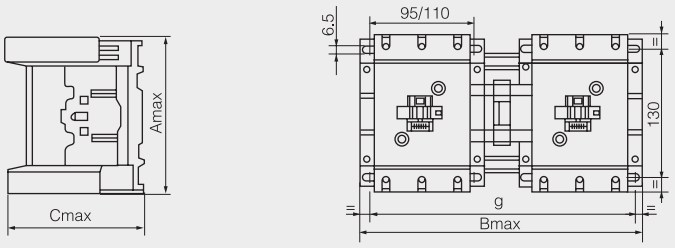


Photo 4 CJX2-F115N~F330N，CJX2-205N~300N(Horizontal installation)

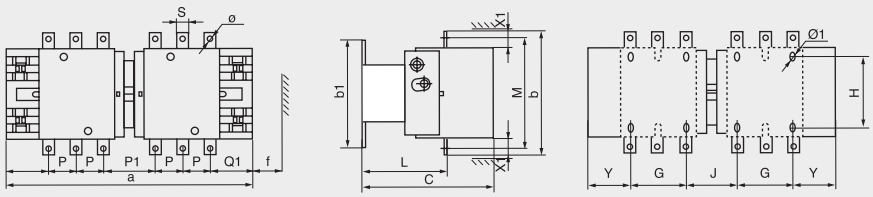


Photo 5 CJX2-F400N~F500N，CJX2-410N~475N(Horizontal installation)

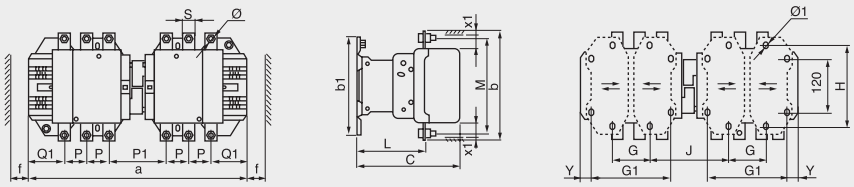


Photo 6 CJX2-F630N~F800N，CJX2-620N(Horizontal installation)

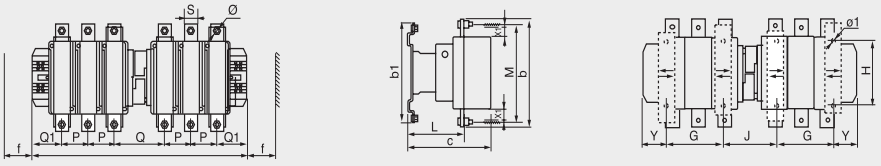


Photo 7 CJX2–F115N~F330N(Vertical installation)

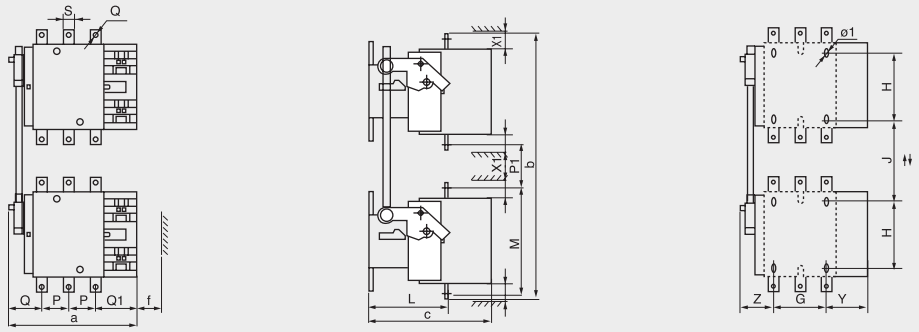


Photo 8 CJX2–F400N~F500N(Vertical installation)

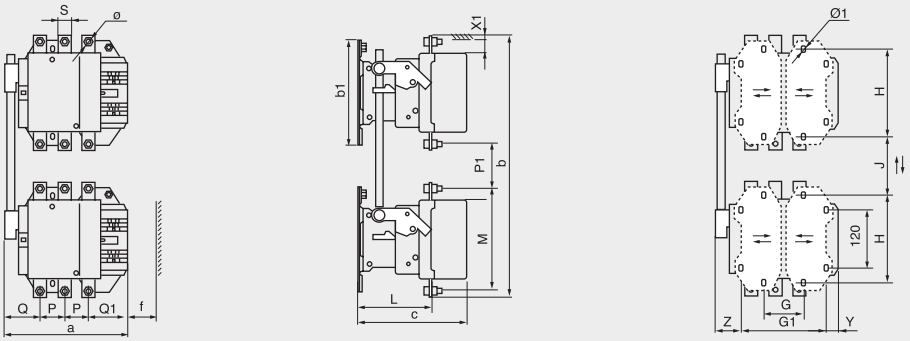


Photo 9 CJX2–F630N~F800N(Vertical installation)

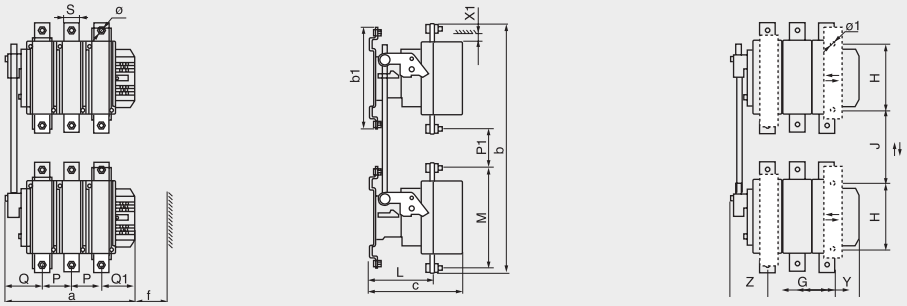
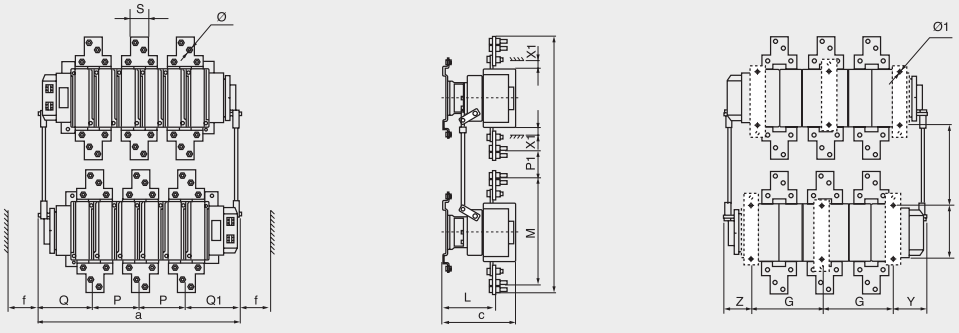


Photo 10 CJX2–F780N(Vertical installation)



■ CJX2-09N~170N(Horizontal installation)

Table 4(Unit：mm)

Contactor Model	Amax	Bmax	Cmax	g	h	ø
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
CJX2-115N~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	ø	f	b	b1	M	c	L	G	J	H	ø1	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	171	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 installation)

Table 6(Unit：mm)

Contactor Model	a	P	P1	Q1	S	ø	f	b	b1	M	c	L	G	G1	J	H	ø1	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	ø	f	b	b1	M	c	L	G	J	H	ø1	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	ø	f	b	P1	M	c	L	G	H	J	ø1	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	13.5	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	160–265	6.5	78.5	65.5	10	15
CJX2–F3304	288	48	74	70	25	M10	143	481–586	94–199	181	219	145	96	120	160–265	6.5	102.5	89.5	10	15

CJX2–F400N~F500N(Vertical installation)

Table 9(Unit：mm)

Contactor Model	a	P	Q1	Q	S	ø	f	b	P1	M	c	L	G	G1	H	J	ø1	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)

Table10(Unit：mm)

Contactor Model	a	P	Q1	Q	S	ø	f	b	P1	M	c	L	G	H	J	ø1	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)

Table11(Unit：mm)

Contactor Model	a	P	Q1	Q	S	ø	f	b	P1	M	H	c	L	G	G1	H	ø1	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

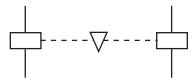
6. ORDERING INSTRUCTIONS

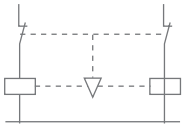
When placing an order, you should point out the below:

1. Product name and model, rated operational voltage and frequency of coil, order quantity.
   Ordering example: Reversing Contactor CJX2–40N AC 220V 50Hz 60PCS.

7. 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





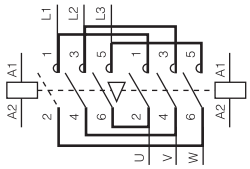


Photo11 CJX2–09~32，CJX2–09Z~32Z(Horizontal installation)

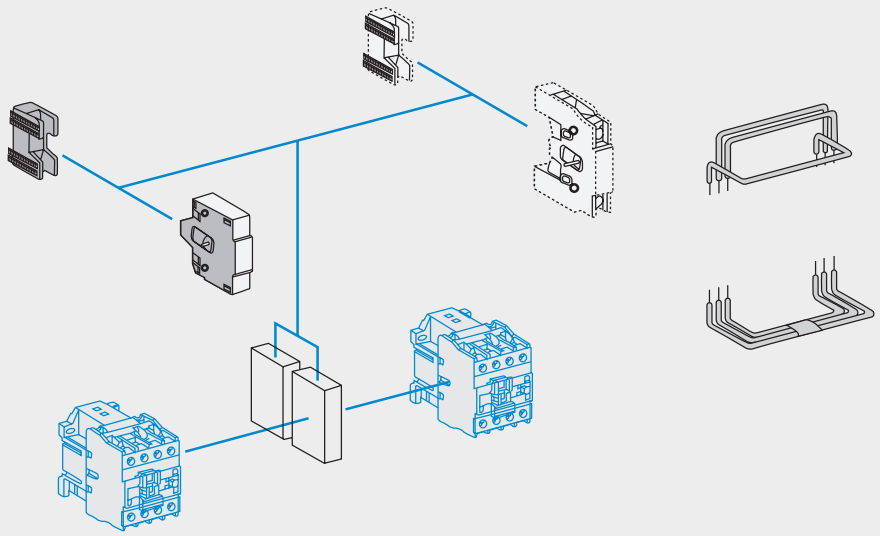


Photo12 CJX2–40~95，CJX2–40Z~95Z(Horizontal installation)

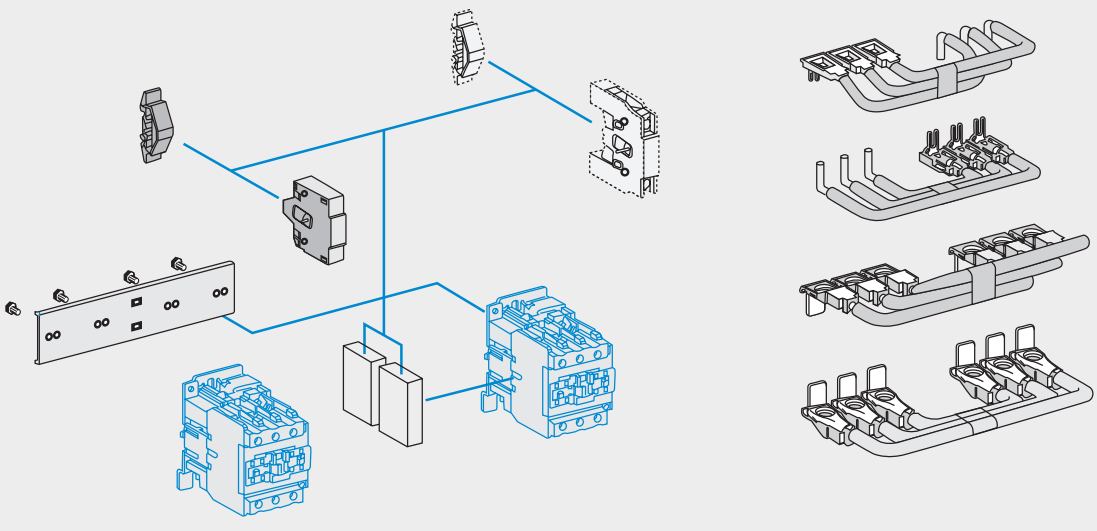
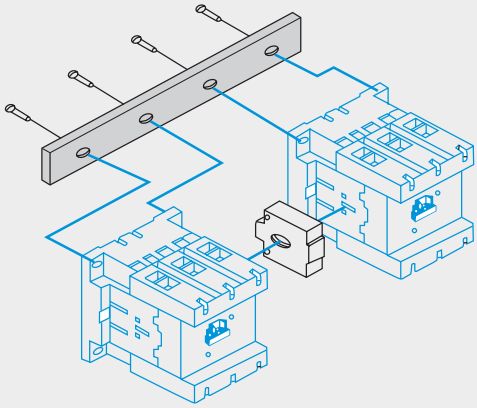


Photo13 CJX2-115~170(Horizontal installation)



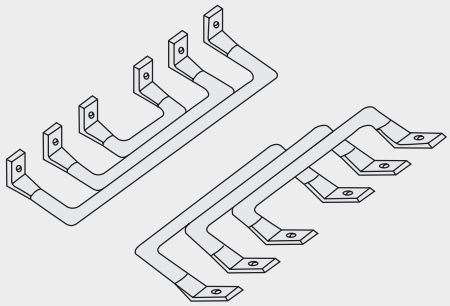
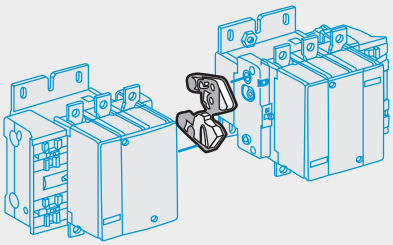


Photo14 CJX2-205~620，CJX2-F185~F800(Horizontal installation)



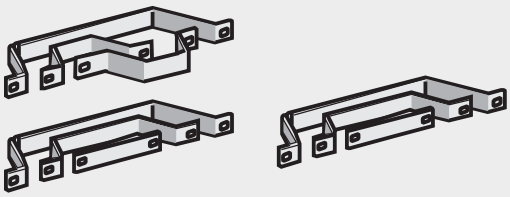
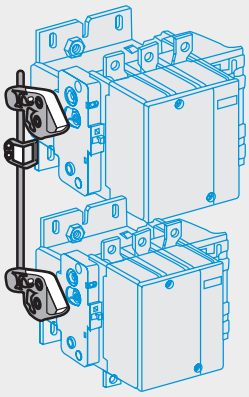
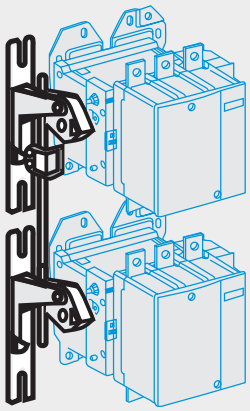


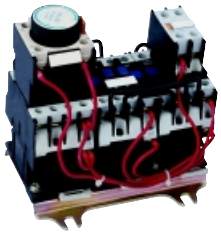
Photo15 CJX2-205~620，CJX2-F185~F800(Vertical installation)





QJX2 Series Star-delta Reduced Voltage Starter

1. APPLICATION



QJX2–09

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.

2. MODEL AND MEANING

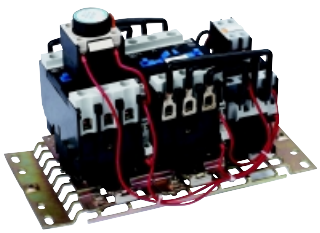
QJ X 2 – □

- A: Rated operating current of maximum contactor
- Design sequence
- Miniature
- Star–delta reduced voltage starter

QJX2–25

3. NORMAL RUNNING AND INSTALLATION CONDITIONS

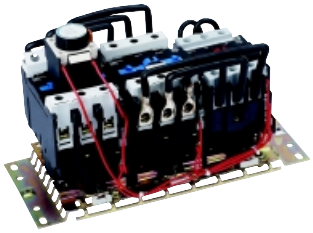
3.1 Ambient air temperature: –5℃ ~ +40℃, the average value should not exceed +35℃ within 24 hours.
3.2 Elevation: at most 2000m.
3.3 Atmospheric conditions: When the temperature at 40, the relative humidity of atomsphere should be at the most 50%. When at relatively low temperatures, it could have higher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



QJX2–40

4. MATCHING TABLE OF TECHNICAL PARAMETER AND STARTER

Parameter / Model / Item		QJX2–12	QJX2–18	QJX2–25	QJX2–32	QJX2–40	QJX2–50	QJX2–65	QJX2–80	QJX2–95
Main return circuit of contactor	IsolationKM2	CJX2–1210	CJX2–1810	CJX2–2510	CJX2–3210	CJX2–4011	CJX2–5011	CJX2–6511	CJX2–8011	CJX2–9511
	△ Work KM3	CJX2–1201	CJX2–1801	CJX2–2501	CJX2–3201	CJX2–4011	CJX2–5011	CJX2–6511	CJX2–8011	CJX2–9511
	Y Work KM1	CJX2–0901	CJX2–1201	CJX2–1201	CJX2–2501	CJX2–2501	CJX2–4011	CJX2–4011	CJX2–5011	CJX2–6511
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
	Modle	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



QJX2–95

5. OVERALL AND MOUNTING DIMENSIONS

Photo1 QJX2–12, 18

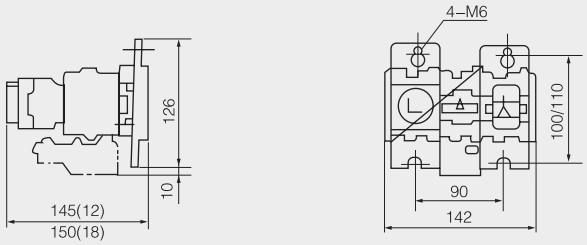


Photo 2 QJX2–25, 32

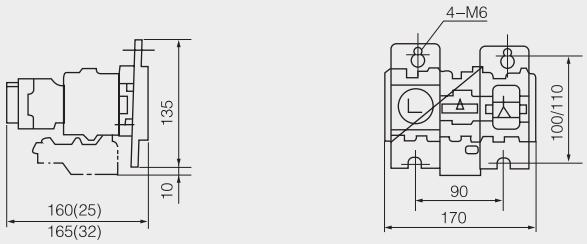


Photo 3 QJX2–40, 50, 65

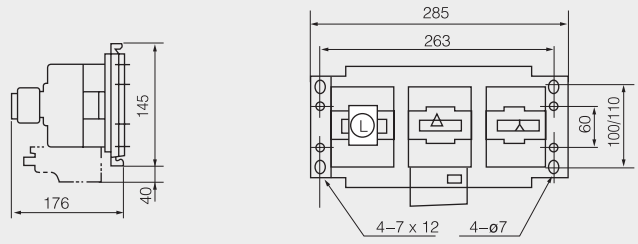
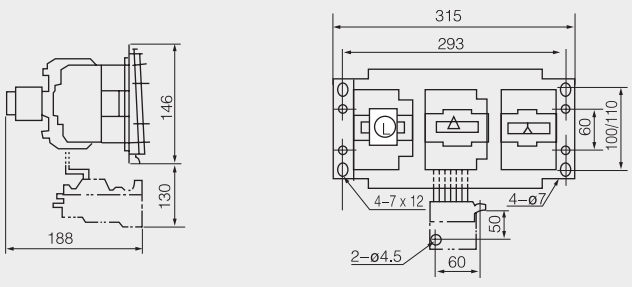


Photo 4 QJX2–80, 95



6. WIRING SCHEME

Photo 5

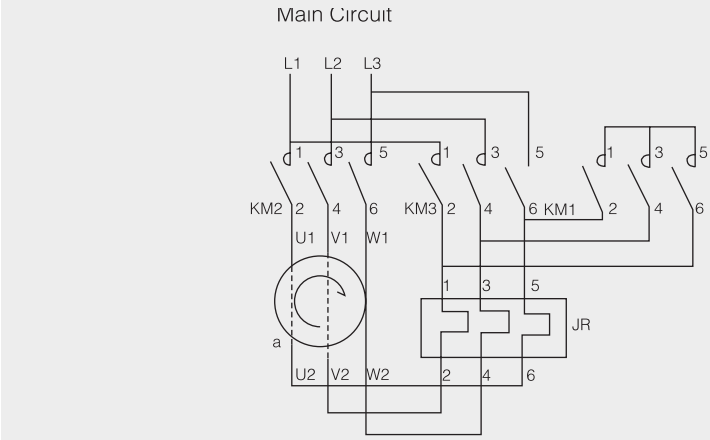
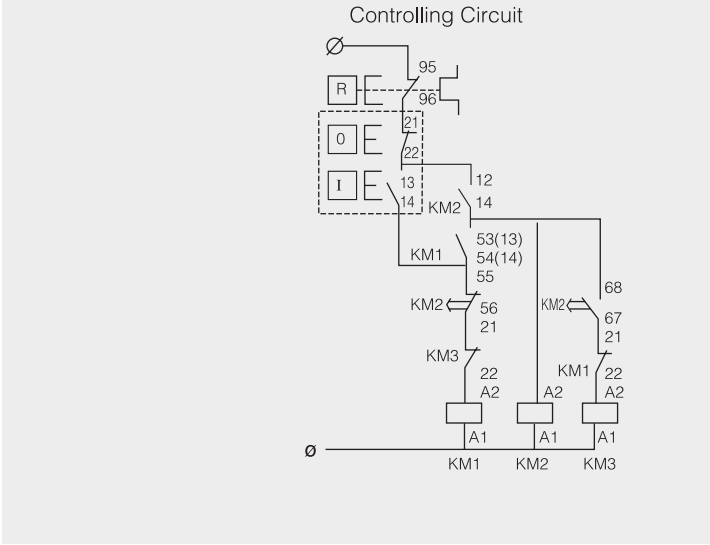


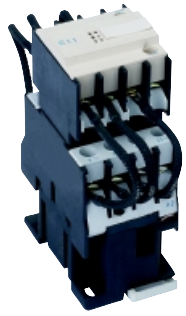
Photo 6



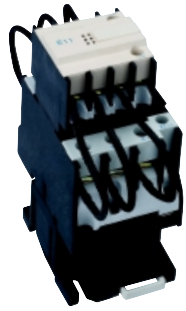
7. CONTROLLING CIRCUIT

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

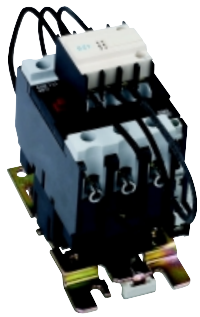
CJ19 Series Changeover Capacitor Contactor



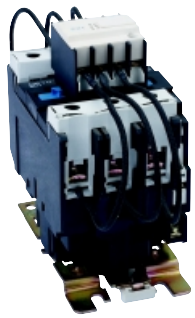
CJ19–25



CJ19–43



CJ19–63



CJ19–95

1. 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 overvoltagein 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.

2. MODEL AND MEANING

CJ19 – □□ / □□

- Number of Auxiliary contacts
  - 20: 2 N/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

3. NORMAL RUNNING AND INSTALLATION CONDITIONS

3.1 Ambient air temperature: –5℃ ~ +40℃, the average value should not exceed +35℃ within 24 hours.

3.2 Elevation: at most 2000m.

3.3 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.

3.4 Class of pollution: Class 3

3.5 Installation category: III

3.6 Installation conditions: Degree of inclination between fitting surface and vertical surface should not exceed ▮|

3.7 Impact shock: Product should be installed and used in the place where often shakes and impacts.

4. MAIN TECHNICAL PARAMETER

Parameter / Model / Item		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	230V	6.5	8.5	10	20	21	23
(kVar)	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 (10⁴ operations)		10	10	10	8	8	8
Operating characteristic		吸合：(85%~110%)Us；释放：(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

5. OVERALL AND MOUNTING DIMENSIONS

Photo1 CJ19–25~43

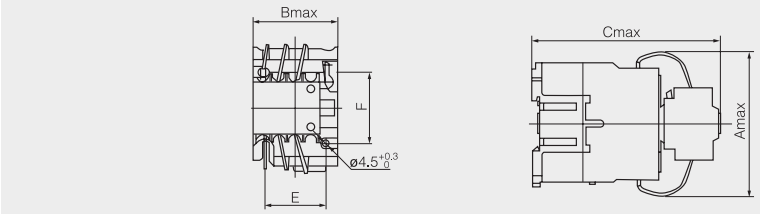
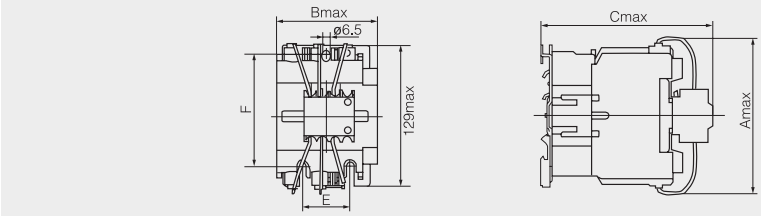


Photo 2 CJ19–63~95



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

6. STRUCTURE FEATRUES

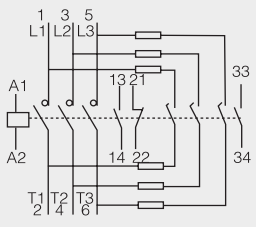
Contactor is of direct action type double breakpoint structure, contact system has two layers, there are three current–limiting contacts at the first layer, together with current–limiting resistance, when it switches on, the contact will turn on after a few seconds.

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



7. CONTROLLING 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

QCX2 Series Magnetic Starter

1. APPLICATION

QCX2–09~18

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.

2. MODEL AND MEANING

QC X 2 – □

- Rated operational current (AC–3 380V)
- Design sequence No
- Miniature
- Magnetic starter

3. NORMAL RUNNING AND INSTALLATION CONDITIONS

QCX2–25~32

3.1 Ambient air temperature: –5℃ ~ +40℃, the average value should not exceed +35℃ within 24 hours.
3.2 Elevation: at most 2000m.
3.3 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.
3.4 Class of pollution: Class 3
3.5 Installation category: III
3.6 Installation conditions: Degree of inclination between fitting surface and vertical surface should not exceed ▮ I
3.7 Impact shock: Product should be installed and used in the place where often shakes and impacts.

4. TYPE OF CONSTRUCTION

QCX2–40~95

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”.

5. MAIN TECHNICAL PARAMETER

Parameter / Item / Model	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

6. OVERALL AND MOUNTING DIMENSIONS

Photo1 QCX2–09~18

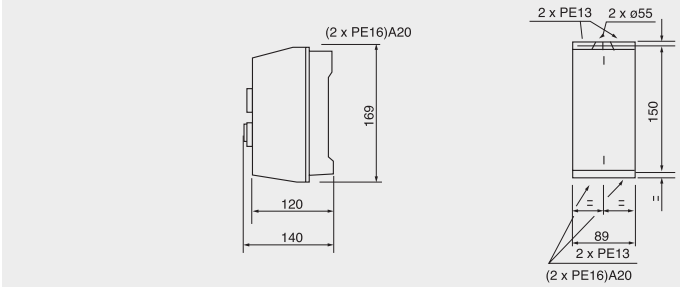


Photo 2 QCX2–25~32

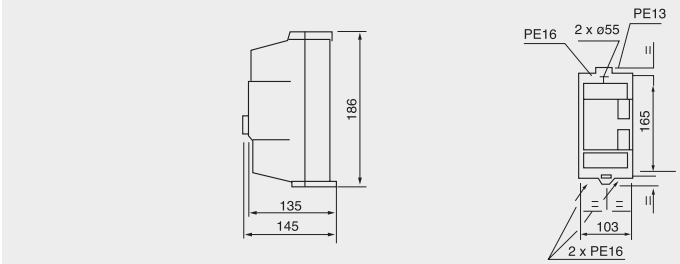
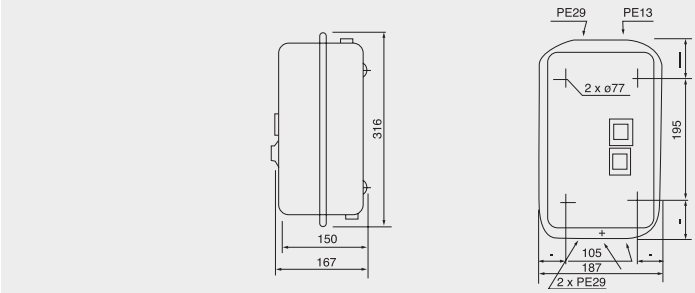
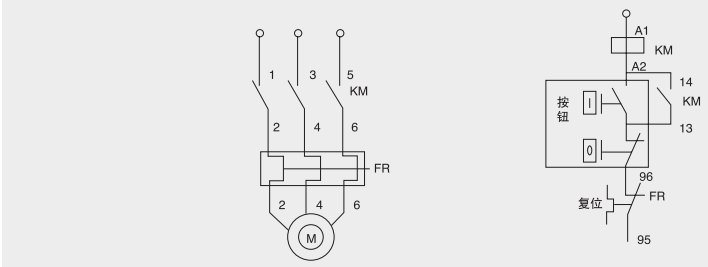


Photo 3 QCX2–40~95



7. WIRING SCHEME



8. CONTROLLING CIRCUIT

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

JRS4 Series Thermal Overload Relay

JRS4–13

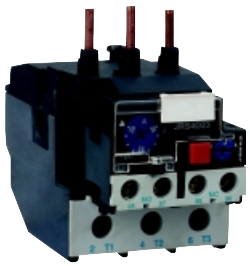
1. APPLICATION

JRS4 series thermal overload relay is suitable for the circuit of AC 50/60Hz, rated operational voltage up to 660V. And it can realize the function of overload and phase–failure protection for AC motor. This product conforms to GB14048.4、IEC60947–4–1 standard.

2.MODEL AND MEANING

JR S 4 – □ □ □□

- Current rating
- Tripping grade
- Installation specification
- Design sequence No.
- Three phase
- Thermal overload relay



JRS4–23

3. NORMAL RUNNING AND INSTALLATION CONDITIONS

3.1 Ambient air temperature: –5℃ ~ +40℃, the average value should not exceed +35℃ within 24 hours.

3.2 Elevation: at most 2000m.

3.3 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.

3.4 Class of pollution: Class 3

3.5 Installation category: III

3.6 Installation conditions: Degree of inclination between fitting surface and vertical surface should not exceed ± 5°

3.7 Impact shock: Product should be installed and used in the place where often shakes and impacts.

JRS4–33

4. FEATURE

Operating characteristic (Table1) Table 1

Operating characteristic	Series no.	Rated operational current I/In		Operating time Tp	Test condition	Ambient air temperature (°C)
		Any two phases	Another phase			
Phase failure protection	1	1.00	0.90	>2h	Cold status	20±5
	2	1.15	0	<2h	Right after item No.1	
Overloaded protection	1	1.05		>2h	Cold status	20±5
	2	1.20		<2h	Right after item No.1	
	3	1.50		<4min	Right after item No.1	
	4	7.20		4S<Tp ⩽ 10S	Cold status	
Temperature compensation	1	1.00		2h	Cold status	40±2
	2	1.20		<2h	Right after item No.1	
	3	1.05		>2h	Cold status	–5±2
	4	1.30		<2h	Right after item No.3	

Current setting range(Table2)

Table 2

Model	Current setting range (A)	Controllable motor power(AC3 KW)		Matched contactor	Unit weight (kg)
		220V	380V		
JRS4–D1302	0.1–0.16			CJX2–09~32	0.155
JRS4–D1302	0.16–0.25			CJX2–09~32	0.155
JRS4–D1303	0.25–0.4			CJX2–09~32	0.155
JRS4–D1304	0.6–0.63			CJX2–09~32	0.155
JRS4–D1305	0.63–1.0			CJX2–09~32	0.155
JRS4–D1306	1.0–1.6		0.37	CJX2–09~32	0.155
JRS4–D1307	1.6–2.5	0.37	0.75	CJX2–09~32	0.155
JRS4–D1308	2.5–4.0	0.55,0.75	1.1,1.5	CJX2–09~32	0.155
JRS4–D1310	4–6	1.1	2.2	CJX2–09~32	0.155
JRS4–D1312	5.5–8	1.5	3	CJX2–09~32	0.155
JRS4–D1314	7–10	2.2	4	CJX2–09~32	0.155
JRS4–D1316	9–13	3	5.5	CJX2–09~32	0.155
JRS4–D1321	12–18	4	7.5	CJX2–09~32	0.155
JRS4–D1322	17–25	5.5	11	CJX2–09~32	0.155
JRS4–D1353	23–32	7.5	15	CJX2–09~32	0.155
JRS4–D2353	23–32	7.5	15	CJX2–25~32	0.221
JRS4–D2355	30–40	10	18.5	CJX2–32	0.221
JRS4–D3353	23–32	7.5	15	CJX2–40~65	0.434
JRS4–D3355	30–40	10	18.5	CJX2–40~65	0.434
JRS4–D3357	37–50	11	22	CJX2–40~65	0.434
JRS4–D3359	48–65	15	25	CJX2–50~65	0.434
JRS4–D3361	55–70	18.5	30	CJX2–65	0.434
JRS4–D3363	63–80	22	37	CJX2–80	0.434
JRS4–D3365	80–95	32	40	CJX2–95	0.434

5. OVERALL AND MOUNTING DIMENSIONS

Photo 1 JRS4–13

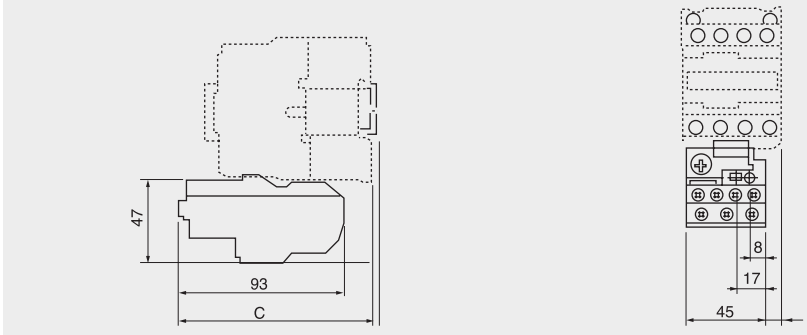


Photo 2 JRS4–23

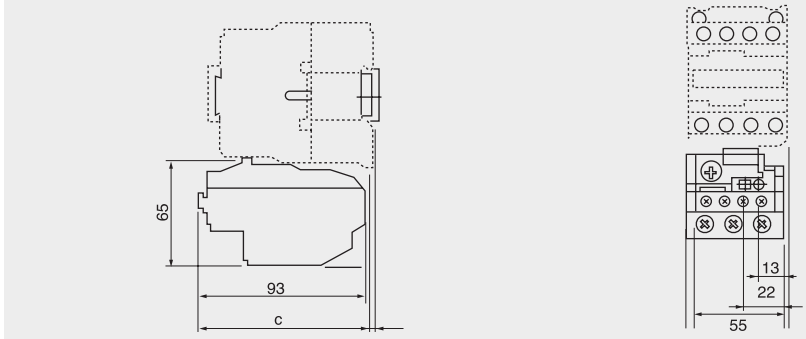
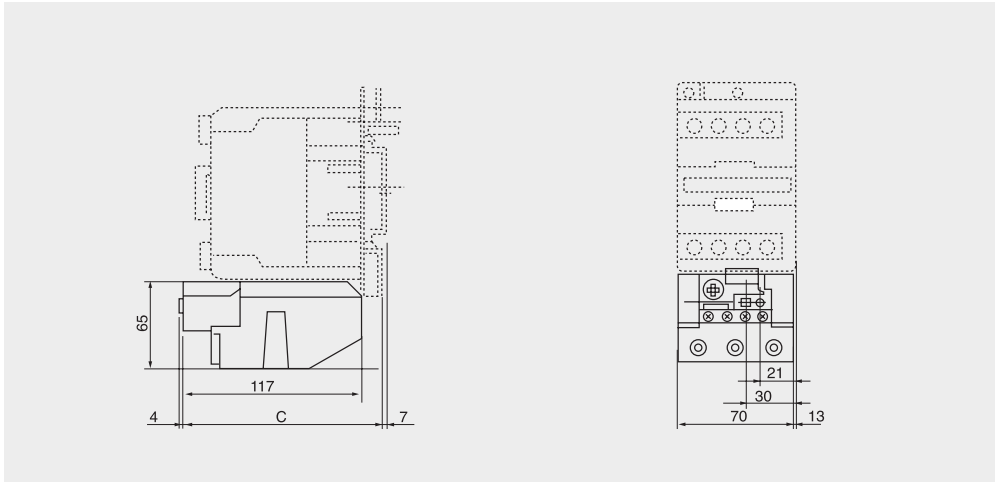


Photo 3 JRS4–33



6. ORDERING INSTRUCTIONS

When ordering, you should point out the below:
Product name, model, rated operational voltage and frequency of coil and quantity
Example: Magnetic starter JRS4–1314 7–10A 50PCS