

DELIXI
ELECTRIC
德力西电气

NAVIGATOR
Series



New C-J2S Motor Control and Protection Product

Natural Excellent

Good Core Good Material Good Quality

Good Core

With advanced technology platform, guarantee the high performance of the product from the design source.

Good Material

The process guarantees the quality, focusing on the details; the full series is made of high-quality material with new design; every experience is meticulous.

Good Quality

Facing the Made in China 2025, the market has proposed higher standards for all aspects of electrical products, and the NAVIGATOR is launched to the market to protect the electricity safety of thousands of households.

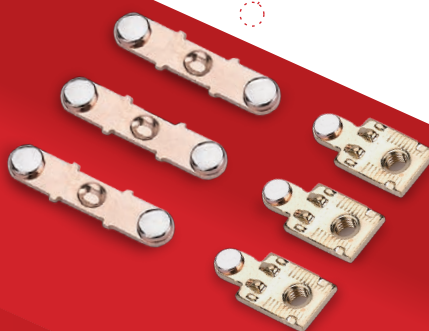


Reliable and Durable for Peace of Mind

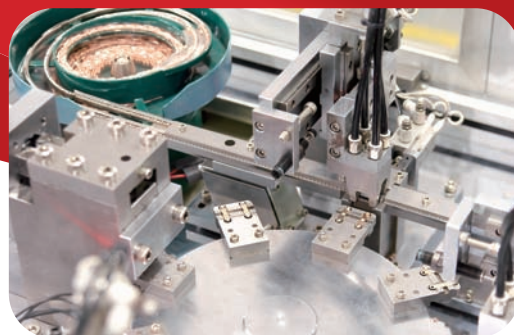
Excellence Interprets Quality



With advanced technology platform,
The main circuit contact plate is made of high-quality copper,
The application of electric heating industry is more stable



With silver dot technology and material upgrading and more
resistant to arc impact, the electrical service life of frequent
operation industries is increased by 60%



Silverpoint automatic riveting

70%-120% wide voltage suction, resistance to the grid fluctuation,
guaranteeing that the contactor can be reliably sucked in the case of
power grid fluctuation

Comprehensive dustproof design, easy to cope with dusty environment



Top dust cover



Side dust sheets

Intelligence and Functionality



Multiple Choices, Reduced Costs,
High Cost Performance



Aux. contact

+

=



Aux. CJX2s 01/10



Aux. CJX2s 11

The full range covers 6-95A, of which 9-38A provide 11/01/10 auxiliary selection, 40A and above are equipped with 11 auxiliaries as standard to meet all kinds of customer needs and reduce customer's procurement costs

Complete accessories such as transparent dust cover, surge suppressor, reversible busbars, auxiliary contact, air delay head, and coils, everything is available



PC Transparent
dust cover



FS Surge
suppressor



FN reversible busbar



F4 aux. contact



X2s coil



It can be installed in combination with JRS1Dsp and JRS1 thermal overload relays

NAVIGATOR Defines Creation

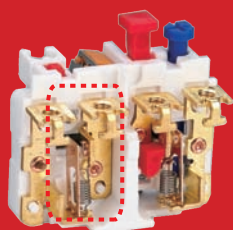


Convenient and Effective, Breaking Through Limits

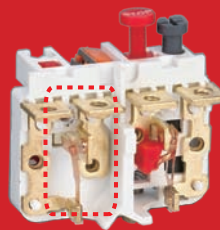


JRS1Dsp Thermal Overload Relay

- ◆ Reed type moving contact, eliminating the auxiliary non-energizing fault, reducing the contact resistance by 30%, and improving power-on stability



Spring type moving contact

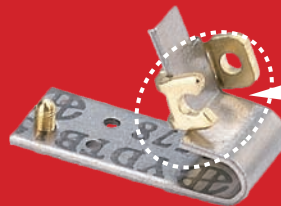
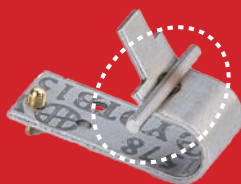


Reed type moving contact

Patent for invention

Patent number: L201611151028.0

- ◆ Temperature compensation bimetallic structure upgraded, precision positioning, higher current setting accuracy, and reliable operation in high and low temperature environments



Patent for invention

Patent number: 201611150994.0

- ◆ For JRS1Dsp- 93A shell frame, added 7- 10A, 9-13A, 12-18A, and 17-25A specifications; when the contactor is derated, it can also be installed in combination with thermal relays



JRS1Dsp-93

Product Overview

■ Product Introduction

The new CJX2s series of motor control and protection product is the product that uses the new generation technology platform and adopts automated production and testing equipment to fully meet the actual application needs of customers and to realize the convenient operation and national leading quality. This series includes ten series and its accessories such as CJX2s AC contactor, CJX2sF high-current contactor, CJX2H AC contactor, CJX2H -Z DC control contactor, JRS1Dsp thermal overload relay, JR2H thermal overcut relay, JZC4s contactor relay, CDS2s electromagnetic starter, CDV2s motor circuit breaker, and CDC19s switching capacitive contactor.

■ Product Range

- CJX2s AC Contactor: 06~400A, with 20 current specifications in total, including 11 auxiliary contacts in 9~38A (1 normally open and 1 normally closed)
Accessories: PC transparent dust cover, FN reversible busbar, F4 top auxiliary contact, FC6 side auxiliary contacts, FT6 air delay head, FR6 mechanical interlock, FS surge suppressor, and X2s wire;
Certificate: CCC, CE, and SEMKO
- CJX2sF High-current AC Contactor: 115~2100A, with a total of 15 current specifications
Accessories: F4 top auxiliary contact, SK4 air delay head, FR6 mechanical interlock, X6 coil, and MC6 main contact
Certificate: CCC
- CJX2H AC Contactor: 09~630A, with a total of 20 current specifications
Accessories: F4 top aux., FC4 side aux., SK4 air delay head, FR6 mechanical interlock, FS surge suppressor, FN reversible busbar, X2H coil, and PC transparent dust cover
Certificate: CCC, CE, SEMKO, and CB
- CJX2H-Z DC Control Contactor: 9 ~ 95A, with a total of 11 current specifications
Accessories: F4 top aux., FC4 side aux., SK4 air delay head, FR6 mechanical interlock, FN reversible busbar, X2H coil, and PC transparent dust cover
Certificate: CCC, CE, SEMKO, and CB
- JRS1Dsp Thermal Overload Relay: The setting current covers 0.1 ~ 630A
Accessory: Stand-alone mounting base
Certificate: CCC, CE
- JR2H Thermal Overload Relay: Setting current covers 0.1~630A
Accessory: Stand-alone mounting base
Certificate: CCC, CE, CB, and SEMKO
- JZC4s Contactor Relay: 2NO+2NC, 3NO+1NC, 4NO+QNC, 1NO+3NC, 0NO+4NC
Accessories: PC transparent dust cover, F4 top auxiliary contact, and FT6 air delay head
Certificate: CCC, CE
- CDS2s Electromagnetic Starter: 13A, 32A, 65A, 95A
Setting current range: 0.1~93A
Certificate: CCC, CE
- CDV2s Motor Circuit Breaker: Setting current: 0.1~32A
Accessories: AEV2s front-mounted auxiliary contacts, ANV2s side-mounted auxiliary contacts, AUV2s, undervoltage release, ASV2s shunt release, and CDV2s32MC waterproof housing
Certificate: CCC, CE, CB, SEMKO
- CDC19s Switching Capacitor Contactor: Current specification covers 25 ~ 170A, controllable capacitor capacity up to 90kvar
Accessories: FC6 side-mounted auxiliary contacts
Certificate: CCC, CE

■ Standard

- | | | | |
|------------------------|--------------------------------|----------------------------|------------------------|
| · GB/T 14048.1 General | · GB/T 14048.2 Circuit Breaker | · GB/T 14048.4 Contactors | · GB/T 14048.5 Relays |
| · IEC 60947-1 General | · IEC 60947-2 | · IEC 60947-4-1 Contactors | · IEC 60947-5-1 Relays |

■ Ambient temperature

- During the normal operation, the ambient air temperature is not higher than +40°C, is not lower than -5°C, and the mean value within 24h does not exceed +35°C;
- The storage temperature is -25°C ~ +55°C, and it can reach +70°C in a short time (24h)

■ Installation position

Vertical to the mounting surface, the inclination in each direction shall not exceed 22.5° (no more than 5° for JRS1Ds)
The installation category is Class III.

■ Humidity

- The relative humidity of the atmosphere does not exceed 50% at the maximum ambient temperature of +40°C. Higher relative humidity is allowed at lower temperatures, such as 90% at 20°C.
- For condensation that occurs occasionally due to temperature changes, protective measures shall be taken.

■ Altitude

The altitude of the normal working and installation site does not exceed 2000m

■ Pollution degree

Level 3

■ Product protection grade

IP20

Model Guide

■ CJX2s AC Contactor

Product model	Current spec.	Aux. contact	Coil voltage	Coil freq.
CJX2s	06	10	M	
	06: 6A ... 95: 95A	10: 1NO+0NC 01: 0NO+1NC 11: 1NO+1NC	B: 24V ... M: 220V/230V ... Q: 380V/400V ...	No: 50Hz 7: 50/60Hz

Motor power Pe (KW AC-3,380V)	Rated current Ie (A)	Aux. contact		Order code
		Normally open NO	Normally closed NC	
2.2	6	1	-	CJX2s 06 10 *
		-	1	CJX2s 06 01 *
4	9	1	-	CJX2s 09 10 *
		-	1	CJX2s 09 01 *
		1	1	CJX2s 09 11 *
5.5	12	1	-	CJX2s 12 10 *
		-	1	CJX2s 12 01 *
		1	1	CJX2s 12 11 *
5.5	16	1	-	CJX2s 16 10 *
		-	1	CJX2s 16 01 *
		1	1	CJX2s 16 11 *
7.5	18	1	-	CJX2s 18 10 *
		-	1	CJX2s 18 01 *
		1	1	CJX2s 18 11 *
11	22	1	-	CJX2s 22 10 *
		-	1	CJX2s 22 01 *
		1	1	CJX2s 22 11 *

Motor power Pe (KW AC-3,380V)	Rated current Ie (A)	Aux. contact		Order code
		Normally open NO	Normally closed NC	
11	25	1	-	CJX2s 25 10 *
		-	1	CJX2s 25 01 *
		1	1	CJX2s 25 11 *
15	32	1	-	CJX2s 32 10 *
		-	1	CJX2s 32 01 *
		1	1	CJX2s 32 11 *
18.5	38	1	-	CJX2s 38 10 *
		-	1	CJX2s 38 01 *
		1	1	CJX2s 38 11 *
18.5	40	1	1	CJX2s 40 11 *
22	50	1	1	CJX2s 50 11 *
30	65	1	1	CJX2s 65 11 *
37	80	1	1	CJX2s 80 11 *
45	95	1	1	CJX2s 95 11 *

Notes: 3 poles are conventional poles, and are not indicated in the model.
 * in the CJX2s order code can be indicated by the coil voltage code
 The coil frequency 50Hz is the conventional frequency, and it is not indicated in the model.
 All coil voltages at 50Hz, including 50/60Hz

Coil voltage code

Coil voltage (V)	24	36	48	110	127	220/230	240	380/400	415	440
*	B	C	E	F	S	M	U	Q	L	X

Product model	Current spec.	Aux. contact	Coil voltage	Coil freq.
CJX2s	120	□	M	7
	120: 120A 160: 160A 185: 185A 225: 225A 265: 265A 330: 330A 400: 400A	Default: 2NO+2NC	F: AC/DC 110V S: AC/DC 127V M: AC/DC 220V Q: AC/DC 380V	Default: 50Hz 7: 50/60Hz



AC-3,380/400V		Instantaneously aux. contact		Order code
Rated current (A)	Rated power (KW)			
120	55	2	2	CJX2H-120 □□
160	75	2	2	CJX2H-160 □□
185	90	2	2	CJX2H-185 □□
225	110	2	2	CJX2H-225 □□

Coil voltage code table

Coil voltage (V)	110	127	220	380
50Hz	F	S	M	Q
50/60Hz	-	-	-	-

AC-3,380/400V		Instantaneously aux. contact		Order code
Rated current (A)	Rated power (KW)			
265	132	2	2	CJX2H-265 □□
330	160	2	2	CJX2H-330 □□
400	220	2	2	CJX2H-400 □□

Note: "□□" indicates coil voltage code.

■ CJX2s-N reversible AC contactor

Product model	Current spec.	Mechanical interlock	Aux. contact	Coil voltage	Accessory
CJX2s	09	N	10	M	FN
	09: 9A ... 95: 95A	N: Mechanical interlock	10: 1NO+0NC 01: 0NO+1NC 11: 1NO+1NC	B: 24V ... M: 220V/230V ... Q: 380V/400V ...	FN: With reversible busbar Default: No accessory

Motor power Pe (KW AC-4,380V)	Rated current Ie(A)	Aux. contact		Order Code
		Normally open NO	Normally closed NC	
1.5	9	1	-	CJX2s 09N 10 *
		-	1	CJX2s 09N 01 *
		1	1	CJX2s 09N 11 *
2.2	12	1	-	CJX2s 12N 10 *
		-	1	CJX2s 12N 01 *
		1	1	CJX2s 12N 11 *
2.2	16	1	-	CJX2s 16N 10 *
		-	1	CJX2s 16N 01 *
		1	1	CJX2s 16N 11 *
3.3	18	1	-	CJX2s 18N 10 *
		-	1	CJX2s 18N 01 *
		1	1	CJX2s 18N 11 *
4	22	1	-	CJX2s 22N 10 *
		-	1	CJX2s 22N 01 *
		1	1	CJX2s 22N 11 *

Motor power Pe (KW AC-4,380V)	Rated current Ie(A)	Aux. contact		Order Code
		Normally open NO	Normally closed NC	
4	25	1	-	CJX2s 25N 10 *
		-	1	CJX2s 25N 01 *
		1	1	CJX2s 25N 11 *
5.4	32	1	-	CJX2s 32N 10 *
		-	1	CJX2s 32N 01 *
		1	1	CJX2s 32N 11 *
5.5	38	1	-	CJX2s 38N 10 *
		-	1	CJX2s 38N 01 *
		1	1	CJX2s 38N 11 *
7.5	40	1	1	CJX2s 40N 11 *
11	50	1	1	CJX2s 50N 11 *
15	65	1	1	CJX2s 65N 11 *
18.5	80	1	1	CJX2s 80N 11 *
22	95	1	1	CJX2s 95N 11 *

Notes: 3 poles are conventional poles, and are not indicated in the model.

* in the CJX2s order code can be indicated by the coil voltage code

The coil frequency 50Hz is the conventional frequency, and it is not indicated in the model. If 50/60Hz common coil is required, it can be customized.

Coil voltage code table

Coil voltage (V)	24	36	110	220/230	380/400
*	B	C	F	M	Q

■ CJX2sF High-Current AC Contactor

Product model	Current spec.	Aux. contact	Coil voltage	Coil freq.
CJX2sF	115	00	M	
	115: 115A ... 2100: 2100A	00: 0NO+0NC	B: 24V ... X: 440V	Default: 50Hz 7: 50/60Hz

AC-3, 380/400V		Instantaneously aux. contact		Order code
Rated current (A)	Rated power (KW)	1	2	
115	55	-	-	CJX2sF 115 00 □□
150	75	-	-	CJX2sF 150 00 □□
185	90	-	-	CJX2sF 185 00 □□
225	110	-	-	CJX2sF 225 00 □□
265	132	-	-	CJX2sF 265 00 □□
330	160	-	-	CJX2sF 330 00 □□
400	200	-	-	CJX2sF 400 00 □□
500	250	-	-	CJX2sF 500 00 □□

AC-3, 380/400V		Instantaneously aux. contact		Order code
Rated current (A)	Rated power (KW)	1	2	
630	335	-	-	CJX2sF 630 00 □□
800	450	-	-	CJX2sF 800 00 □□
1000	630	-	-	CJX2sF 1000 00 □□
1250	780	-	-	CJX2sF 1250 00 □□
1450	870	-	-	CJX2sF 1450 00 □□
1700	1000	-	-	CJX2sF 1700 00 □□
2100	1250	-	-	CJX2sF 2100 00 □□

Note: " □□ " indicates coil voltage code.

Product name	Rated current	Main contact	Coil voltage	Coil freq.
CJX2sF	115	4	M	
	115: 115A ... 800: 800A	4: 4 normally open	F: 110V ... M: 220-230V Q: 380-400V	7: 50/60Hz

Coil voltage code table

Coil voltage (V)	36	110	127	220	380	400	440
50HZ	C	F	S	M	Q	V	X
50/60HZ	-	F7	-	M7	Q7	-	-

■ CJX2sF High-Current Reversible AC Contactor

Product name	Rated current	Reversible contactor	Coil voltage	Coil freq.
CJX2sF	115	N	M	
	115: 115A ... 800: 800A	N	B: 24V ... X: 440V	Default: 50Hz 7: 50/60Hz

AC-3,380/400V		Instantaneously aux. contact		Order code
Rated current (A)	Rated power (KW)	1	2	
115	55	-	-	CJX2sF 115N □□
150	75	-	-	CJX2sF 150N □□
185	90	-	-	CJX2sF 185N □□
225	110	-	-	CJX2sF 225N □□
265	132	-	-	CJX2sF 265N □□

AC-3,380/400V		Instantaneously aux. contact		Order code
Rated current (A)	Rated power (KW)	1	2	
330	160	-	-	CJX2sF 330N □□
400	200	-	-	CJX2sF 400N □□
500	250	-	-	CJX2sF 500N □□
630	335	-	-	CJX2sF 630N □□
800	450	-	-	CJX2sF 800N □□

Note: " □□ " indicate the coil voltage code

Coil voltage code table

Coil voltage (V)	36	110	127	220	380	400	440
50HZ	C	F	S	M	Q	V	X
50/60HZ	-	F7	-	M7	Q7	-	-

Technical Parameters

■ CJX2s AC Contactor

Contactor model			CJX2s-06	CJX2s-09	CJX2s-12	CJX2s-16	CJX2s-18	CJX2s-22	CJX2s-25	CJX2s-32	CJX2s-38	CJX2s-40	CJX2s-50	CJX2s-65	CJX2s-80	CJX2s-95		
Main circuit characteristics																		
Number of poles			3 poles															
Rated insulation voltage (Ui)		V	690															
Rated operating voltage (Ue)		V	380/400, 660/690															
Conventional thermal current (Ith) AC-1 rated operating current			16	25	25	25	32	32	40	50	50	60	80	80	125	125		
Rated operating current (Ie)	AC-3,380/400V	A	6	9	12	16	18	22	25	32	38	40	50	65	80	95		
	Rated operating power (Pe)	A	3.8	6.6	8.9	8.9	12	14	18	22	22	34	39	42	49	49		
	AC-4,380/400V	A	2.6	3.5	5	5	7.7	7.7	8.5	12	14	18.5	24	28	37	44		
	AC-4,660/690V	A	1	1.5	2	2	3.8	3.8	4.4	7.5	8.9	9	12	14	17.3	21.3		
Rated operating power (Pe)	AC-3,380/400V	kw	2.2	4	5.5	7.5	7.5	11	11	15	18.5	18.5	22	30	37	45		
	AC-3,660/690V	kw	3	5.5	7.5	7.5	10	11	15	18.5	18.5	30	33	37	45	45		
	AC-4,380/400V	kw	1.1	1.5	2.2	2.2	3.3	3.3	4	5.4	5.5	7.5	11	15	18.5	22		
	AC-4,660/690V	kw	0.75	1.1	1.5	1.5	3	3	3.7	5.5	6	7.5	10	11	15	18.5		
Mechanical life		10,000 times	1200				1000				900				650			
Electrical life	AC-3	10,000 times	110						90						65			
	AC-4	10,000 times	22						22				17		11			
Operation frequency	AC-3	Times/h	1200						600									
	AC-4	Times/h	300						300									
Main circuit terminal wiring capacity																		
Soft wire without terminal block	1 wire	mm ²	1~4	1~4	1~4	1~4	1~4	1~4	1.5~10	1.5~10	1.5~10	2.5~25	2.5~25	2.5~25	4~50	4~50		
	2 wires	mm ²	1~4	1~4	1~4	1~4	1~4	1~4	1.5~6	1.5~6	1.5~6	2.5~16	2.5~16	2.5~16	4~25	4~25		
Soft wire with terminal block	1 wire	mm ²	1~4	1~4	1~4	1~4	1~4	1~4	1~6	1~6	1~6	2.5~25	2.5~25	2.5~25	4~50	4~50		
	2 wires	mm ²	1~2.5	1~2.5	1~2.5	1~2.5	1~2.5	1~2.5	1~4	1~4	1~4	2.5~10	2.5~10	2.5~10	4~16	4~16		
Hard wire without terminal block	1 wire	mm ²	1~4	1~4	1~4	1~4	1~4	1~4	1.5~6	1.5~10	1.5~10	2.5~25	2.5~25	2.5~25	4~50	4~50		
	2 wires	mm ²	1~4	1~4	1~4	1~4	1~4	1~4	1.5~6	1.5~6	1.5~6	2.5~10	2.5~10	2.5~10	4~25	4~25		
Tightening torque		N·m	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	5	5	5	9	9		
Coil																		
Rated control circuit voltage (Us)	50Hz	V	24, 36, 48, 110, 127, 220/230, 240, 380/400, 415, 440															
	50/60Hz	V	24, 36, 48, 110, 127, 220/230, 240, 380/400, 415, 440															
Allowable control circuit voltage (Us)	Run	V	Intallation inclination ±22.5°: 85%~110%Us; Intallation inclination ±5°: 70%~120%															
	Release	V	Intallation inclination ±22.5°: 20%~75%Us; Intallation inclination ±5°: 20%~65%															
Coil power (50Hz)	Suck	VA	50	60				70				200				240		
	Hold	VA	9	9.5				11.4				36.6				36.6		
	Power	W	1~3	1~3				1~3				6~10				6~10		
Aux. contact																		
Contact spec.		A	10, 01				10, 01, 11				11							
Conventional thermal current (Ith)		A	10															
Rated operating voltage (Ue)	AC	V	380															
	DC	V	220															
Rated control capacity	AC-15	VA	360															
	DC-13	W	33															
Certificate			CCC, CE, SEMKO															

Note: It is not recommended that the main contact of the contactor is used in the conditions that the AC load capacity is less than 72VA or the DC load power is less than 72W (such as, direct control of PLC output). If the product must be used in the above conditions, the aux. contact, F4 aux. contact set, JZC4s contactor type relay, and CDZ9 miniature electromagnetic relay equipping with the product can be selected to get better effects.

NAVIGATOR

Series

Contactor model		CJX2s-120	CJX2s-160	CJX2s-185	CJX2s-225	CJX2s-265	CJX2s-330	CJX2s-400
Main circuit characteristics								
Number of poles		3P						
Rated insulation voltage (Ui)		690V						
Rated operating voltage (Ue)		AC220/230V; 380/400V; 660/690V						
Conventional heating current, AC-1 rated operating current		200	200	275	275	315	380	450
Rated operating current (Ie)	AC-3; 220/230V(A)	120	160	185	225	265	330	400
	AC-3; 380/400V(A)	120	160	185	225	265	330	400
	AC-3; 660/690V(A)	86	107	107	118	170	225	303
Rated operating power (Pe)	AC-3; 220/230V(kW)	37	45	55	63	75	90	132
	AC-3; 380/400V(kW)	55	75	90	110	132	160	220
	AC-3; 660/690V(kW)	80	100	110	110	165	220	300
Mechanical life (10,000 times)		1000	1000	1000	1000	600	600	600
Electrical life (10,000 times) AC-3		120	120	110	110	90	90	90
Operation frequency (Times/h) AC-3		1200	1200	600	600	600	600	600
Main circuit terminal wiring capacity								
Soft wire without terminal block	1 wire (mm ²)	-	-	-	-	-	-	-
	2 wires (mm ²)	-	-	-	-	-	-	-
Soft wire without terminal block With terminal block	1 wire (mm ²)	10~150	10~150	10~150	10~150	10~150	10~150	10~150
	2 wires (mm ²)	10~75	10~75	10~75	10~75	10~75	10~75	10~75
Hard wire Without terminal block	1 wire (mm ²)	10~150	10~150	10~150	10~150	10~150	50~240	50~240
	2 wires (mm ²)	10~75	10~75	10~75	10~75	10~75	50~240	50~240
Tightening torque of main circuit N·m		12	12	12	12	14	14	14
Coil								
Rated control circuit voltage (Us) 50/60Hz		AC/DC: 110V, 127V, 220V, 380V						
Available control circuit voltage	Run	Pull-in voltage 85%~110%, installation inclination angle±5°						
	Release	AC/DC: 20%~60%Us						
Coil power consumption	Suck(VA)	500	500	500	600	600	600	800
	Hold (VA)	78	78	78	78	25	25	25
	Power (W)	30~78	30~78	30~78	30~78	3~10	3~10	3~10
	Power (W)AC/DC	4.5~18.5	4.5~18.5	4.5~18.5	4.5~18.5	3~6	3~6	3~6
Aux. contact								
Contact spec.		22	22	22	22	22	22	22
Conventional thermal current (Ith)		10A						
Rated operating voltage (Ue)	AC	380V						
	DC	220V						
Rated control capacity	AC-15	360VA						
	DC-13	33W						
	FC-4	CCC						
Certificate		CCC/CE/CB/SEMKO						



■ CJX2sF High-current AC Contactor

Contactor model		CJX2sF-115	CJX2sF-150	CJX2sF-185	CJX2sF-225	CJX2sF-265	CJX2sF-330	CJX2sF-400
Main circuit characteristics								
Rated operating current	Ie, AC-3	115A	150A	185A	225A	265A	330A	400A
	Ie, AC-1	200A	200A	275A	275A	315A	380A	450A
Rated insulated power supply (Ui)		1000V						
Rated operating power supply (Ui)		690V						
Number of poles		3-pole/4-pole						
Rated operating power	220/240V	30kW	40kW	55kW	63kW	75kW	100kW	110kW
	380/400V	55kW	75kW	90kW	110kW	132kW	160kW	200kW
Type AC-3	415/440V	59kW	80kW	100kW	110kW	140kW	180kW	220kW
	660/690V	80kW	100kW	110kW	129kW	160kW	220kW	280kW
AC-3	Electrical life (10,000 times)	130	130	110	110	90	90	90
	Operating frequency (times/H)	600	600	600	600	600	600	300
Mechanical life	(10,000 times)	1100	1100	650	650	650	650	650
Coil								
Rated control Circuit voltage (Us)	50Hz	36V, 110V, 127V, 220V, 380V, 400V, 440V						
	50/60Hz	110V, 220V, 380V						
Allow control Circuit voltage (Us)	Run	85%~110%Us						
	Release	20%~75%Us						
Coil power	Suck VA	550		800		1200		1200
	Hoid VA	45		55		13		20
	Power W	16		24		12		14
Terminal wiring function								
Hard wire	1 Pc (conductor section mm ²)	95	120	150	185	240	240	-
Without terminal block	1 Pc (conductor section mm ²)	-	-	-	-	-	-	150
Copper bar	2 Pcs (size mm)	20*3	25*3	25*3	32*4	32*4	30*5	30*5
Auxiliary contact								
Conventional heating current (Ith)	A	10						
Rated operating voltage (Ue)	AC V	380						
	DC V	220						
Rated operating capacity	AC-15 VA	360						
	DC-13 W	33						

Note: 1. The rated operating power, electrical life, operating frequency, mechanical life and other parameters are under the AC-1 use category; The specification of 1000 ~ 2100 A can only be applied under the AC-1 use category;

CJX2sF-500	CJX2sF-630	CJX2sF-800	CJX2sF-1000	CJX2sF-1250	CJX2sF-1450	CJX2sF-1700	CJX2sF-2100
500A	630A	800A	1000A	1250A	1450A	1700A	2100A
630A	630A	800A	1000A	1250A	1450A	1700A	2100A
1000V							
690V							
3-pole/4-pole				3-pole			
147kW	200kW	230kW	360kW	450kW	500kW	585kW	730kW
250kW	335kW	450kW	630kW	780kW	870kW	1000kW	1250kW
280kW	375kW	450kW	780kW	870kW	980kW	1150kW	1400kW
335kW	450kW	475kW	1030kW	1270kW	1430kW	1650kW	2050kW
90	65	20	60	60	40	40	40
300	300	300	600	600	600	600	600
650	650	100	120	120	80	80	80
36V, 110V, 127V, 220V, 380V, 400V, 440V							
110V, 220V, 380V							
85%~110%Us							
20%~75%Us							
1250	1650	830	2000~2300				
24	22	47	24~44				
18	20	20~25	20~25	20~25	29~37	29~37	29~37
-	-	-	-	-	-	-	-
240	-	-	-	-	-	-	-
40*5	60*5	100*5	60*5	80*5	100*5	100*5	100*5
10							
380							
220							
360							
33							



■ CJX2s-N Reversible AC Contactor

Contactor model	Rated insulation voltage	Rated operating voltage	Conventional heating current	Intermittent periodic duty AC-4	
	Ui(V)	Ue(V)	Ith(A)	Ie(A)	Pe(kw)
CJX2s-09N	690	380	25	3.5	1.5
		660		1.5	1.1
CJX2s-12N	690	380	25	5	2.2
		660		2	1.5
CJX2s-16N	690	380	25	5	2.2
		660		2	1.5
CJX2s-18N	690	380	32	7.7	3.3
		660		3.8	3
CJX2s-22N	690	380	32	7.7	3.3
		660		3.8	3
CJX2s-25N	690	380	40	8.5	4
		660		4.4	3.7
CJX2s-32N	690	380	50	12	5.4
		660		7.5	5.5

Contactor model	Rated insulation voltage	Rated operating voltage	Conventional heating current	Intermittent periodic duty AC-4	
	Ui(V)	Ue(V)	Ith(A)	Ie(A)	Pe(kw)
CJX2s-38N	690	380	50	14	5.5
		660		8.9	6
CJX2s-40N	690	380	60	18.5	7.5
		660		9	7.5
CJX2s-50N	690	380	80	24	11
		660		12	10
CJX2s-65N	690	380	80	28	15
		660		14	11
CJX2s-80N	690	380	125	37	18.5
		660		17.3	15
CJX2s-95N	690	380	125	44	22
		660		21.3	18.5

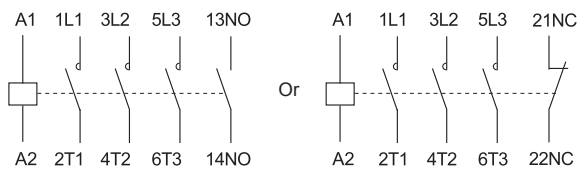
■ CJX2sF-N High-Current AC Contactor

Reversible contactor (Horizontal installation)	Rated capacity (kW) AC-3		Rated current (A) AC-3		Conventional heating current (A) Rated current AC-1
	380V	660V	380V	660V	
CJX2sF-115N	55	80	115	86	200
CJX2sF-150N	75	100	150	108	200
CJX2sF-185N	90	110	185	118	275
CJX2sF-225N	110	129	225	137	275
CJX2sF-265N	132	160	265	170	315

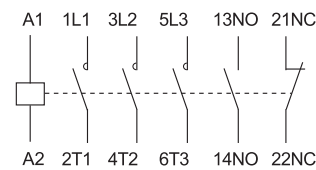
Reversible contactor (Horizontal installation)	Rated capacity (kW) AC-3		Rated current (A) AC-3		Conventional heating current (A) Rated current AC-1
	380V	660V	380V	660V	
CJX2sF-330N	160	220	330	235	380
CJX2sF-400N	200	280	400	303	450
CJX2sF-500N	250	335	500	353	630
CJX2sF-630N	335	450	630	462	800
CJX2sF-800N	450	475	800	486	800

■ Wiring diagram

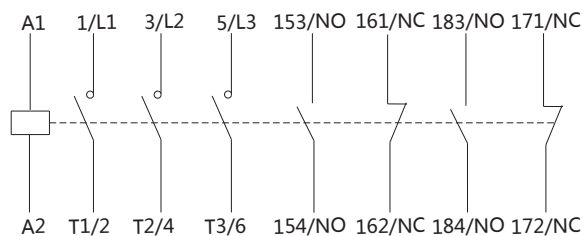
CJX2s-06~38



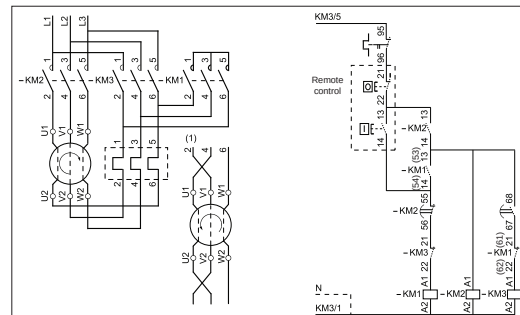
CJX2s-40~95



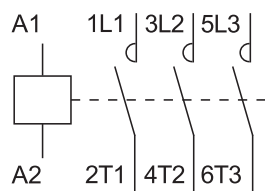
CJx2s-120~400



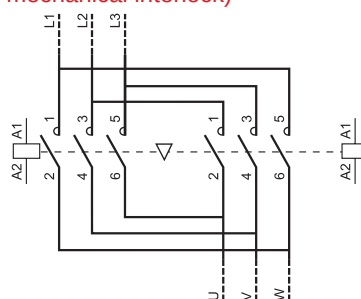
Star-Delta Starter Wiring Diagram



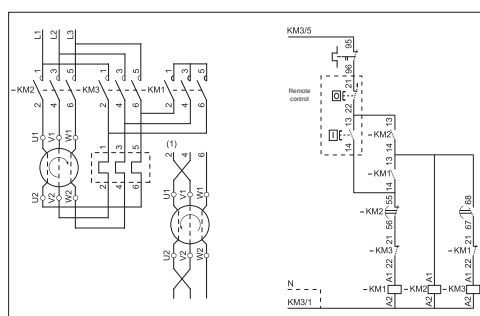
CJX2sF-115~2100A



CJX2sF-115N~800N (horizontal installation, mechanical interlock)

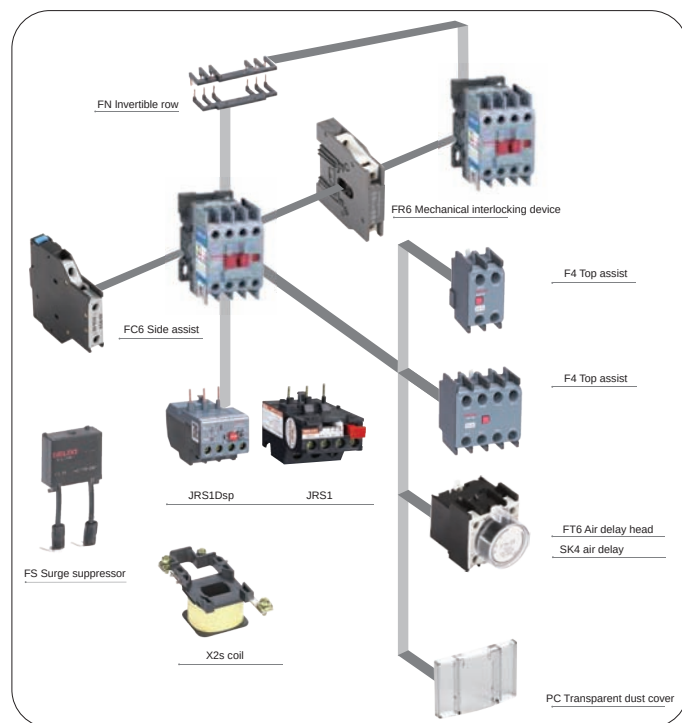


Star-Delta Starter Wiring Diagram

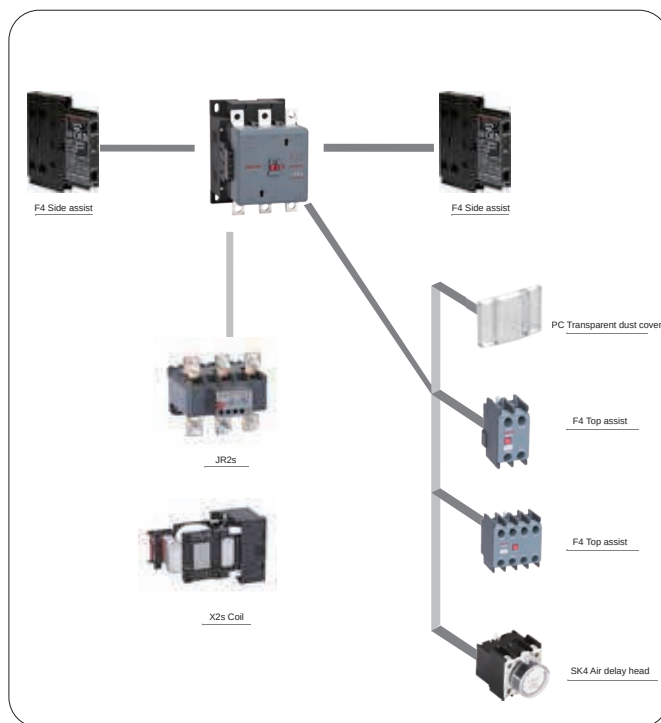


■ Schematic diagram of accessory installation

CJX2s-6-95A



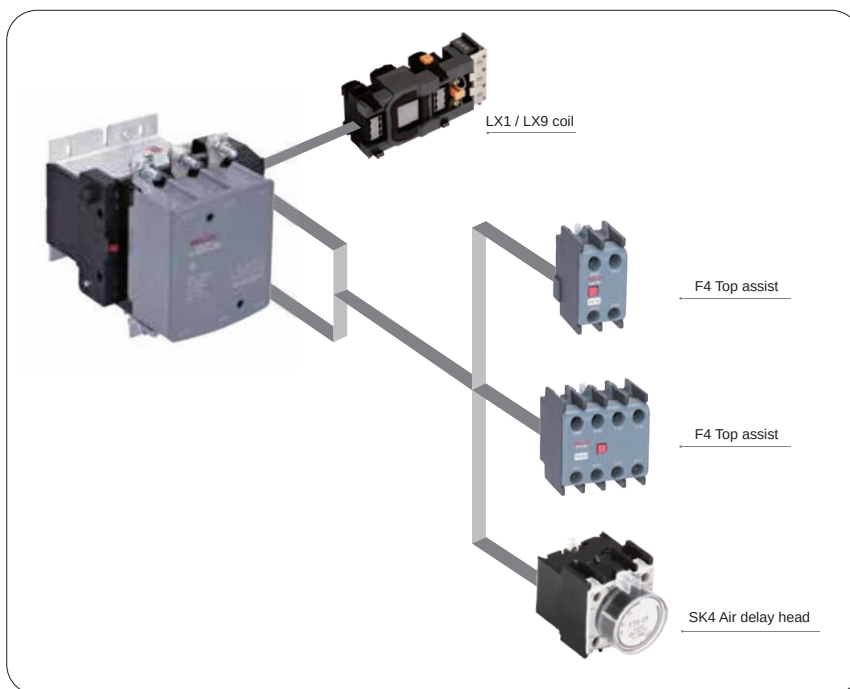
CJX2s-120~400A



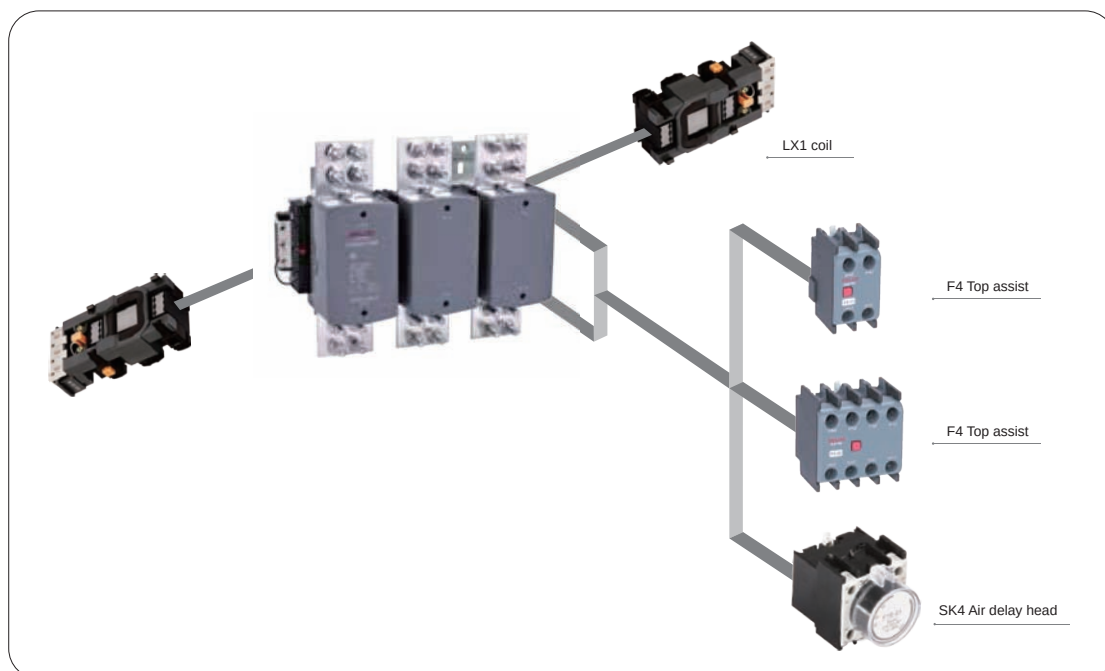
Note: CJX2s-06 cannot be equipped with side auxiliary contact and mechanical interlocking device.



CJX2sF-115-1250A



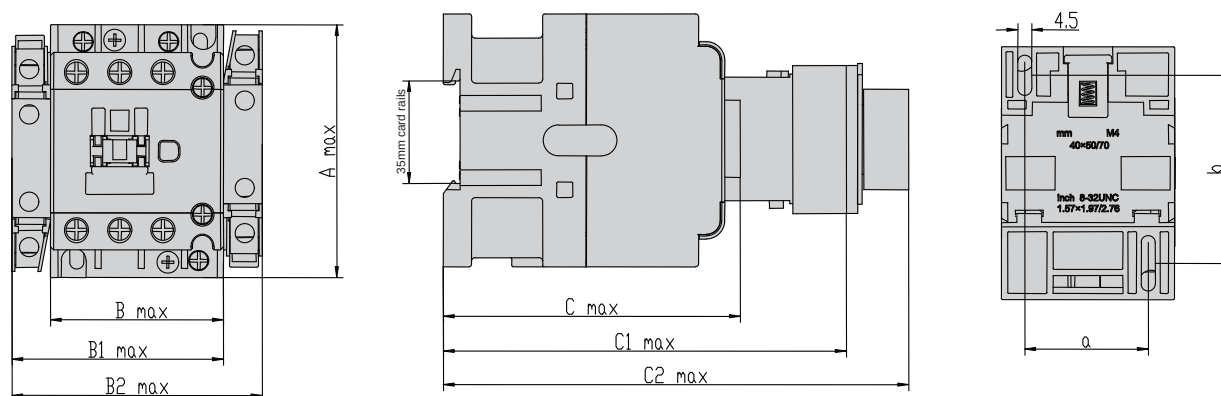
CJX2sF-1450~2100A



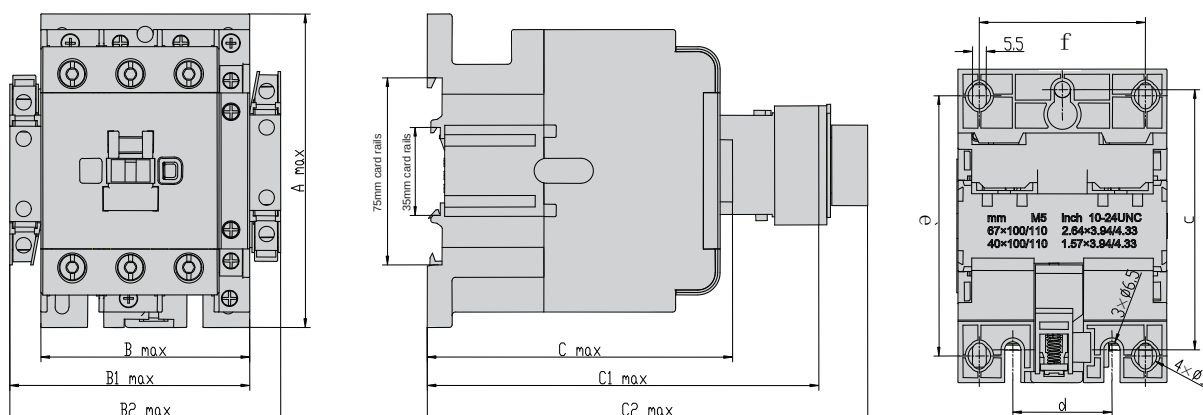
Outline and Installation Dimensions

■ CJX2s AC Contactor

CJX2s 06~38A



CJX2s 40~95A



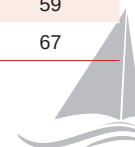
Outline Dimensions of CJX2s 06~95A AC Contactor

Model	Auxiliary contac	Amax	Bmax	B1max	B2max	Cmax	C1max	C2max
CJX2s(K)-06	01, 10	74.5	45.5	-	-	75	107	132
CJX2s(K)-09, 12, 16, 18, 22	01, 10	74.5	45.5	58	71	82.5	114.5	139.5
	11	74.5	45.5	58	71	85.5	117.5	142.5
CJX2s(K)-25, 32, 38	01, 10, 11	83	56.5	69	82	97	129	154
CJX2s(K)-40, 50, 65	11	127.5	74.5	88	101	117	148.5	173.5
CJX2s(K)-80, 95	11	127.5	85.5	99	112	125.5	157	182

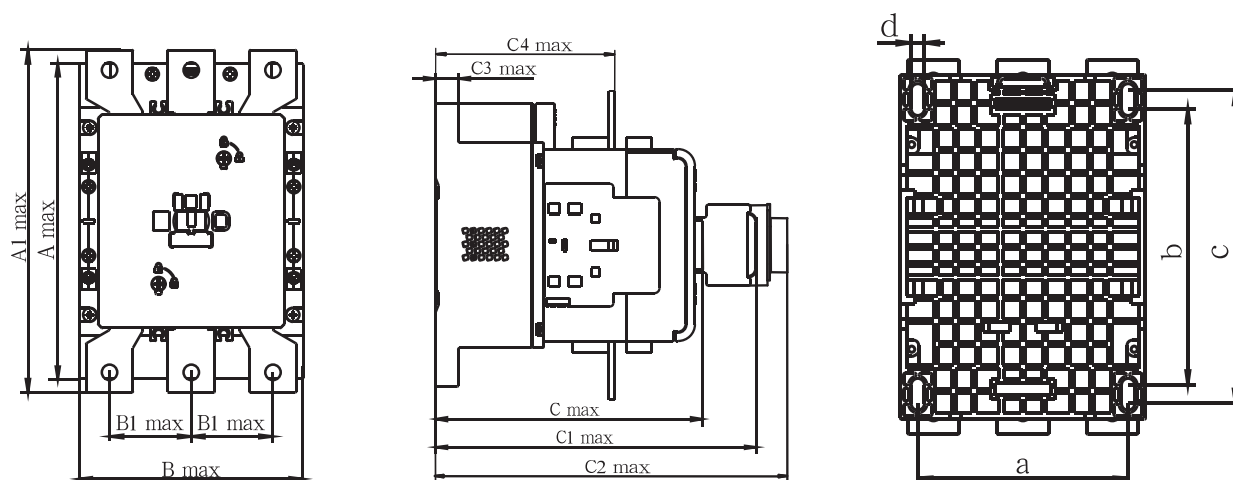
Note: B1max—Contactor + FC6 B2max—Contactor + 2 FC6 C1max—Contactor + FD6 C2max—Contactor + FT6

Outline Dimensions of CJX2s 06~95A AC Contactor

Model	Auxiliary contac	a	b	c	d	e	f
CJX2s(K)-06	01, 10	35	50/60	-	-	-	-
CJX2s(K)-09, 12, 16, 18, 22	01, 10, 11	35	50/60	-	-	-	-
CJX2s(K)-25, 32, 38	01, 10, 11	40	50/60	-	-	-	-
CJX2s(K)-40, 50, 65	11	-	-	105	40	100/110	59
CJX2s(K)-80, 95	11	-	-	105	40	100/110	67



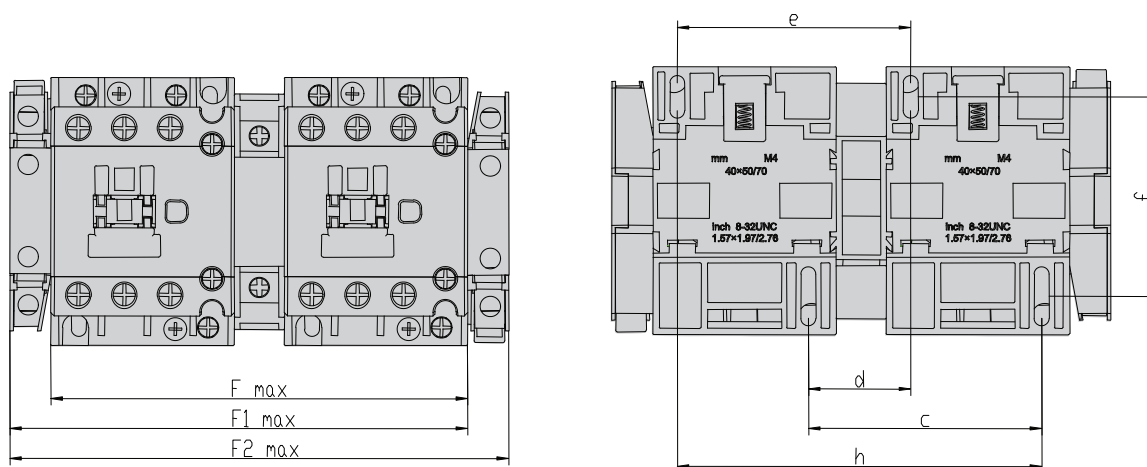
CJX2s-120~400A



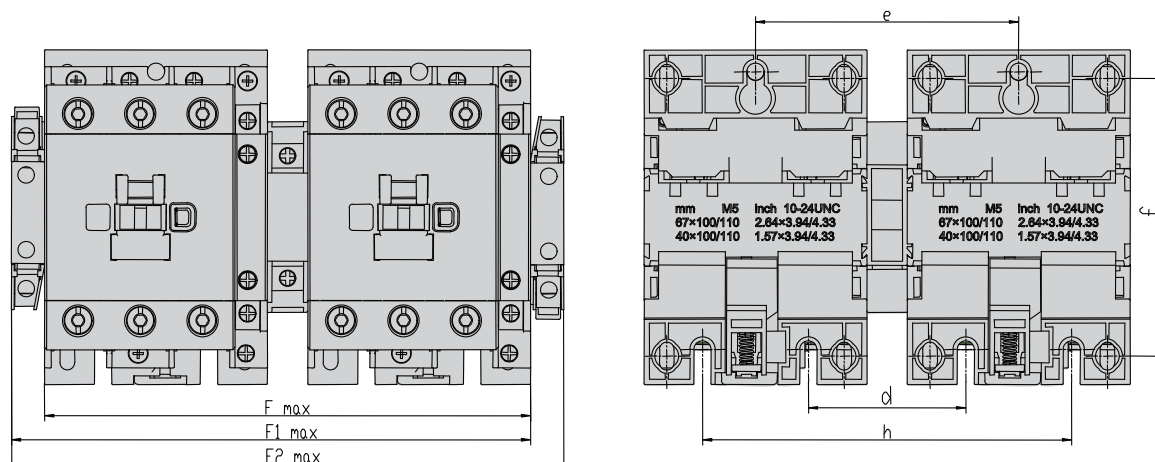
Model	Amax	A1max	Bmax	B1max	Cmax	C1max	C2max	C3max	C4max	a	b	c	d
CJX2H-120	168.5	182.5	120	40.5	161	193	198	13.5	109	103	135	153	6.5
CJX2H-160	168.5	182.5	120	40.5	161	193	198	13.5	109	103	135	153	6.5
CJX2H-185	168.5	182.5	120	40.5	161	193	198	13.5	109	103	135	153	6.5
CJX2H-225	168.5	182.5	120	40.5	161	193	198	13.5	109	103	135	153	6.5
CJX2H-265	210	200	154	52.5	208	240	245	17	142	128	173	188	9
CJX2H-330	210	200	154	52.5	208	240	245	17	142	128	173	188	9
CJX2H-400	210	200	154	52.5	208	240	245	17	142	128	173	188	9

■ CJX2s-N Reversible AC Contactor

CJX2s-N 09~38A



CJX2s-N 40~95A

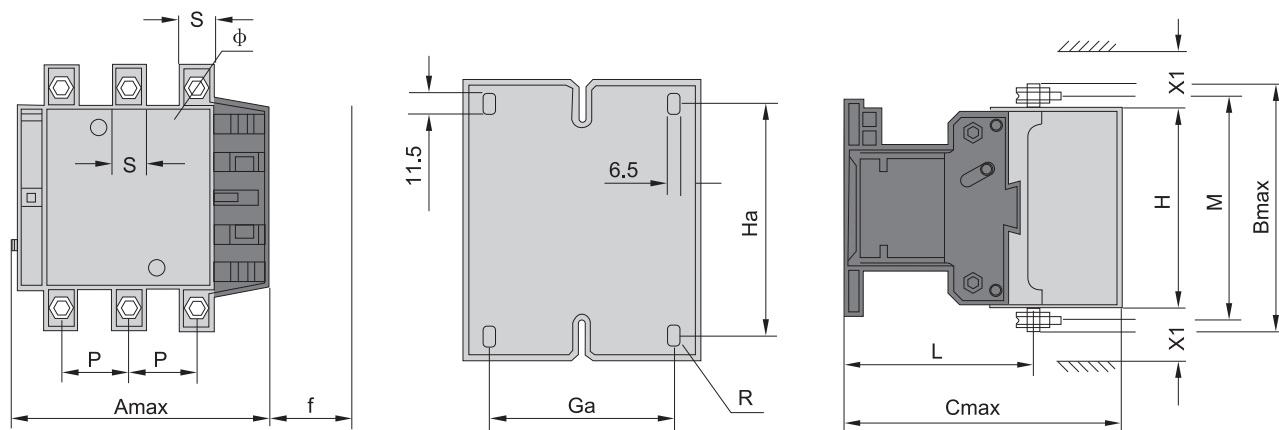


Outline Dimensions of CJX2s-N 09~95A Reversible AC Contactor

Model	Fmax	F1max	F2max	c	d	e	f	h
CJX2s-09N, 12N, 18N	107	120	131	60	25	60	50/60	95
CJX2s-25N, 32N, 38N	129	142	153	71	31.5	71	50/60	111.5
CJX2s-40N, 50N, 65N	163	180	193	-	50	90	100/110	130
CJX2s-80N, 95N	186	202	215	-	60	100	100/110	140

■ CJX2sF High-current AC Contactor

CJX2sF-115~330



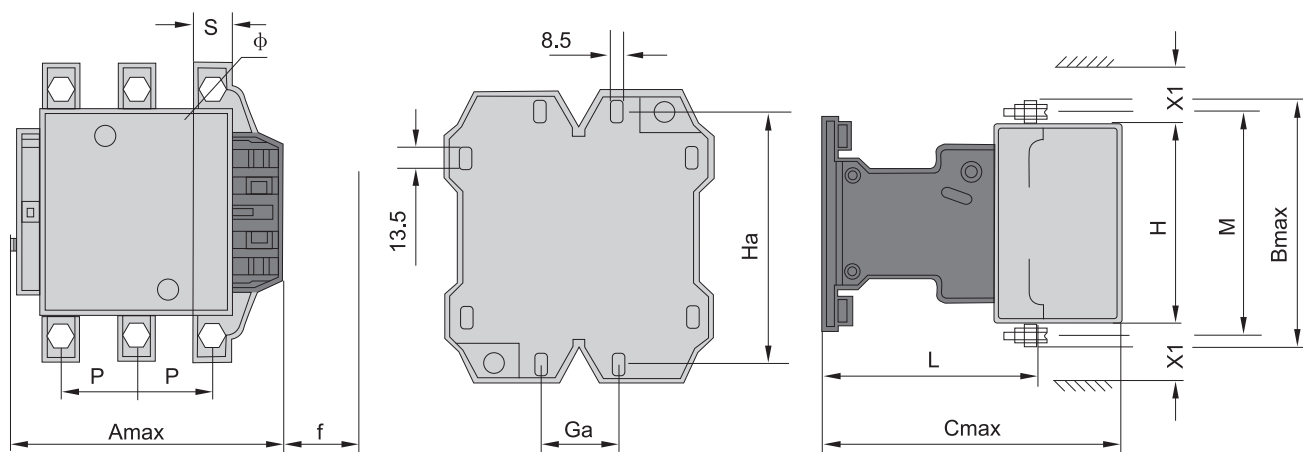
Model	Amax	Bmax	Cmax	P	S	ψ	f	M	H	L	X1 (200-550V)	X1 (600-1000V)	Ga	Ha
CJX2sF-115	167	163	172	37	20	M6	131	147	124	107	10	15	80	110~120
CJX2sF-150	167	171	172	40	20	M8	131	150	124	107	10	15	80	110~120
CJX2sF-185	171	174	183	40	20	M8	131	154	127	113.5	10	15	80	110~120
CJX2sF-225	171	197	183	48	25	M10	131	172	127	113.5	10	15	80	110~120
CJX2sF-265	203	203	215	48	25	M10	147	178	147	141	10	15	96	110~120
CJX2sF-330	213	206	220	48	25	M10	147	181	158	145	10	15	96	110~120

Note: 1. f is the minimum distance required to take out the coil

2. X1 represents the flashover distance determined according to the working voltage and the breaking capacity.

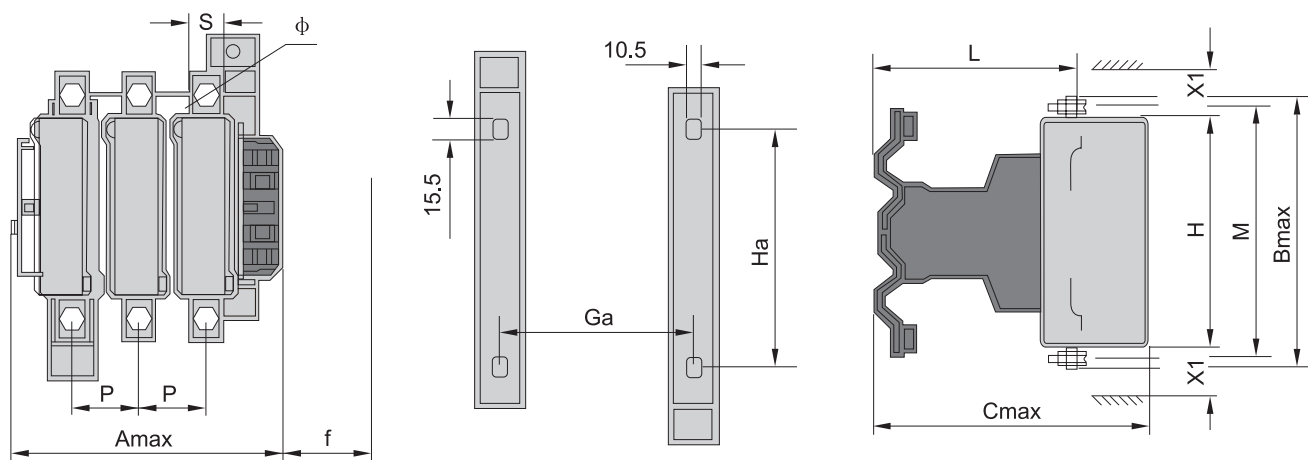


CJX2sF-400~500



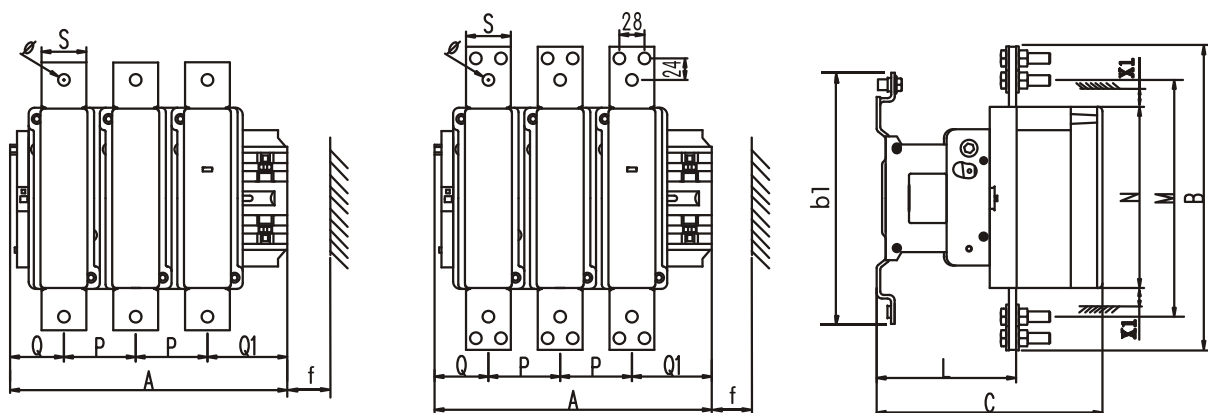
Model	Amax	Bmax	Cmax	P	S	ψ	f	M	H	L	X1	X1	Ga	Ha
											(200-550V)	(600-1000V)		
CJX2sF-400	213	206	220	48	25	M10	146	181	158	145	15	20	80	170~180
CJX2sF-500	233	238	233	55	30	M10	150	208	172	146	15	20	80	170~180

CJX2sF-630~800

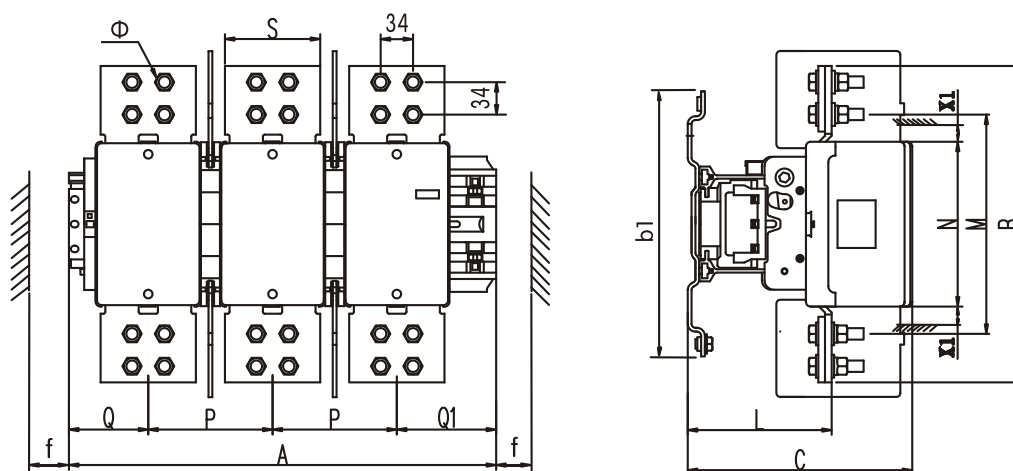


Model	Amax	Bmax	Cmax	P	S	ψ	f	M	H	L	X1	X1	Ga	Ha
											(200-550V)	(600-1000V)		
CJX2sF-630	309	304	256	80	40	M12	181	264	202	155	20	30	180	180~190
CJX2sF-800	309	304	256	80	40	M12	181	264	202	155	20	30	180	180~190

CJX2sF-1000~2100



CJX2sF-1000, 1250 Outline



CJX2sF-1450, 1700, 2100 Outline

Model	CJX2sF-1000	CJX2sF-1250	CJX2sF-1450	CJX2sF-1700	CJX2sF-2100
A	309	309	448.5	448.5	448.5
P	80	80	130	130	130
Q	60	60	85	85	85
Q1	89	89	104	104	104
S	40	50	90	90	90
Φ	M12	M12	M12	M12	M12
f	201	201	169	169	169
B	304	338	332	332	332
b1	280	280	280	280	280
M	264	264	230	230	230
N	202	202	172	172	172
C	255	255	238	238	238
I	155	155	145	145	145
X1					
≤500V	20		90		
≥600V	30		100		

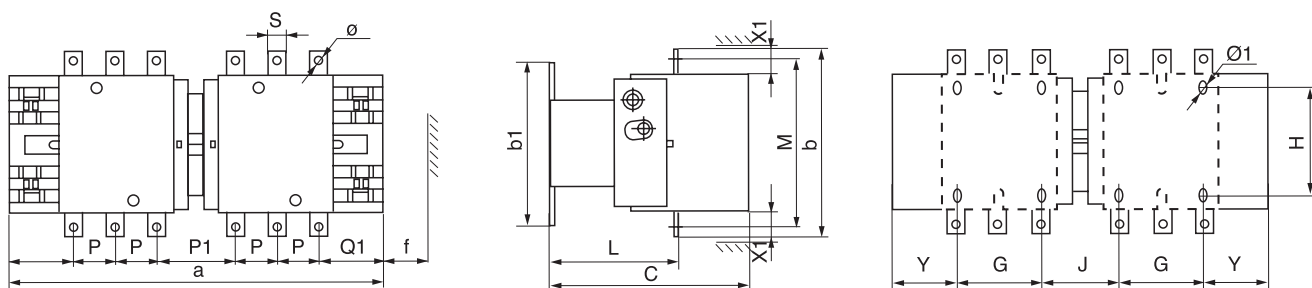
Note: (1) f represents the minimum distance required to take out each coil.

(2) X1 is the flashover distance determined according to the operating voltage and breaking capacity.

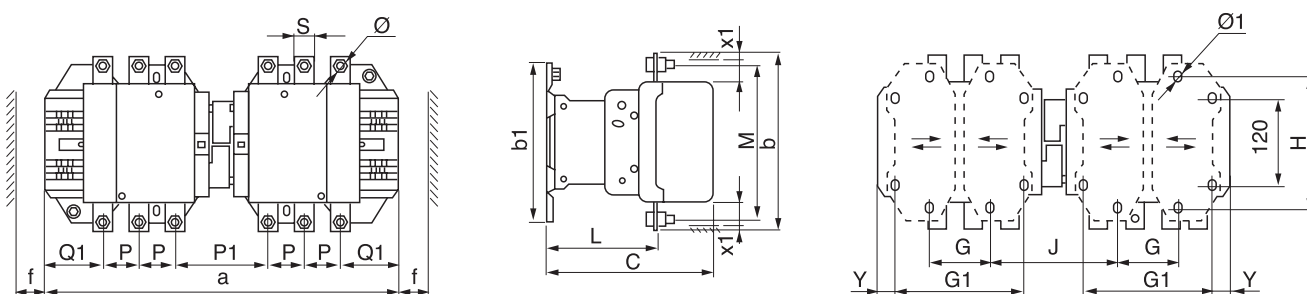


■ CJX2sF-N High-current Reversible AC Contactor

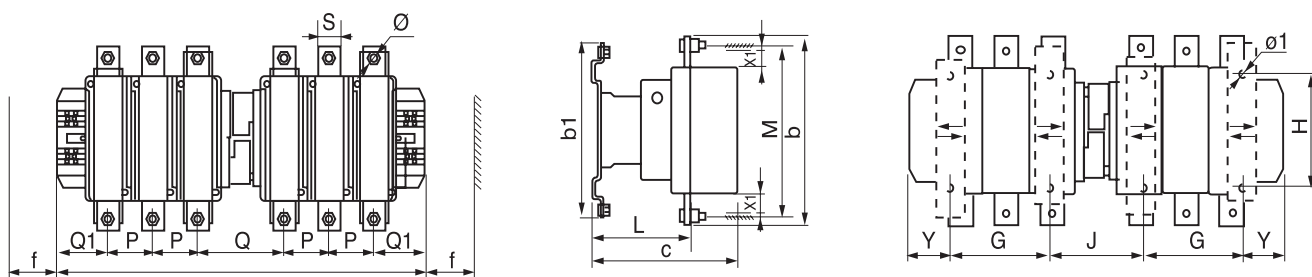
CJX2sF-115 N ~ 330 N (horizontal installation)



CJX2sF-400N~500N (horizontal installation)



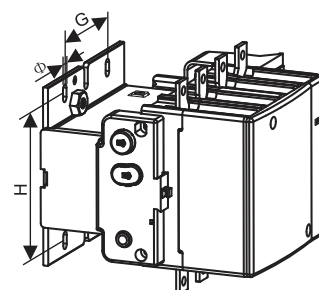
CJX2sF-630N/800N (horizontal installation)



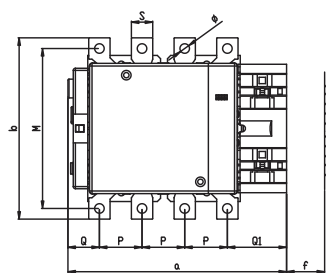
Contactor type	a	p	p1	Q1	S	φ	f	b	b1	M	c	L	G	J	H	φ1	Y
CJX2sF-115N	346	37	78	60	15	M6	109	162	137	147	171	107	80	72	120/106	6.5	57
CJX2sF-150N	346	40	72	57.5	20	M8	109	170	137	150	171	107	80	72	120/106	6.5	57
CJX2sF-185N	357	40	78	59.5	20	M8	117	174	137	154	181	113.5	80	78	120/106	6.5	59.5
CJX2sF-225N	357	48	62	51.5	25	M10	117	197	137	175	181	113.5	80	78	120/106	6.5	59.5
CJX2sF-265N	424	48	99	66.5	25	M10	143	203	145	178	213	141	96	109	120/106	6.5	61.5
CJX2sF-330N	445	48	105	74	25	M10	143	206	145	181	219	145	96	122	120/106	6.5	65.5
CJX2sF-400N	445	48	105	74	25	M10	151	206	209	181	219	145	80	156	170/180	8.5	19.5
CJX2sF-500N	485	55	111	77	30	M10	169	238	209	208	232	146	80	156	170/180	8.5	39.5
CJX2sF-630N	636	80	138	89	40	M12	201	304	280	264	255	155	180	139	180/190	10.5	68.5
CJX2sF-800N	636	80	138	89	40	M12	210	304	280	264	255	155	180	139	180/190	10.5	68.5

Installation Dimensions of CJX2sF-1154 ~ 8004 (mm)

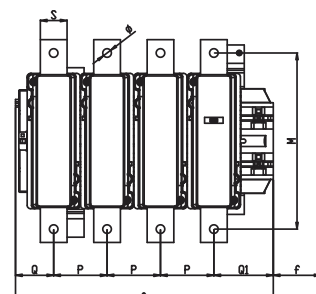
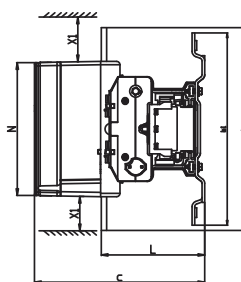
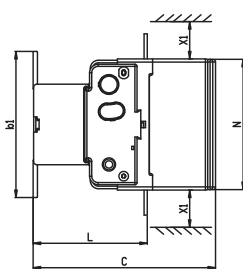
CJX2sF	1154, 1504 1854, 2254	2654 3304	4004	5004	6304 8004
G	80	96	80	140	240
H	110~120		170~180		180~190
φ	M6		M8		M10
≡	M8		M10		M12



Outline Dimensions of CJX2sF-1154 ~ 8004



CJX2sF-1154~8004



CJX2sF-6304~8004

