We sincerely hope that the manual will bring convenience for you!

In view of the involvement in this manual, standard, technical requirements and a variety of sizes, with the technology improvement and the passage of time will change, therefore, we reserve the right to modify, without notice, text information and pictures of this manual are my company all rights reserved, the theft will reproduce!

VIOX

ISO9001 TÜV RoHS CB CE



starter[D] April 2026 version

AC Contactor, Electromagne c Starter

Product Selec on Guide

DIRECTORY

A Page 01-05



CJX2s-M Series
Miniature ACcontactor

B Page 06-11



CJX2s Series
ACcontactor

C Page 12-16



CJX2s Series
High-current ACContactor

D Page 17-21



CJX2s-W Series
Wide voltage ACcontactor

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CJX2s-4P Series
ACcontactor

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CJ19s Series
Switching capacitor contactor

G Page 32-36



KCC6-M Serie
ACcontactor

H Page 37-40



KCQ7 Series
Electromagne cstarter

I Page 41-45



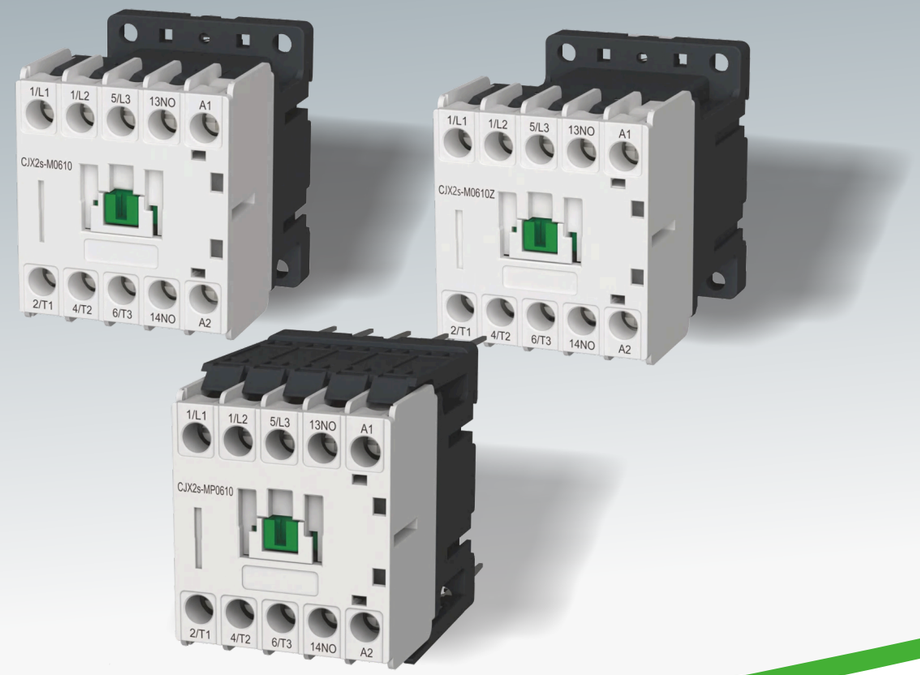
KCQJ7 Series
Motor Controller

J Page 46-50



Accessory Selec on Guide

A



▸ CJX2s-MSeries Miniature ACcontactor

Three Key Features

- Smaller footprint, ideal for installa on in ght spaces
- Boas ngsuperior cost-effec veness,this product is priced lower than other products of the samecurrent ra ng
- Deriva ve DC and pin-type variants are available to adapt to different working scenarios

VIOX

CJX2s-M Series
Miniature ACcontactor

A

Product Structural Analysis Diagram



Compact size for applica ons in confined spaces

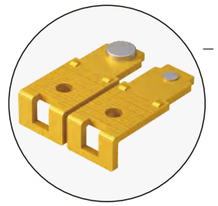
- Comparedwith mainstream products of the samecurrent ra ng available on the market, this product boasts a volume reduc on of over 40%



Derived direct current model

- Applicable to DCcontrol power supply



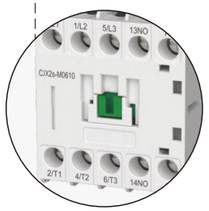


Comprehensive load modes are supported, suitable for 3P/4P main circuit applica ons



Derived pin style

- PCBdirect welding, easy installa on



The flat wiring design allows for more convenient wiring and wire removal

- Wiring can be done in any sequence, elimina ng the need for rework

A



ACtype



DCtype



Pin-type

Product Overview

The CJX2s-MSeries ACContactors feature an innova ve appearance and a compact structure, and are suitable for occasions involving frequent star ng, control of ACmotors, and remote circuit breaking. When used in combina on with thermal relays, they form electromagne c starters. Implementa on Standards: IEC60947-1, IEC60947-4-1

Model Nomenclature

CJX	2□	-	M	□	□	□	□	□
(1)	(2)		(3)	(4)	(5)	(6)	(7)	(8)

(1)ACContactor (2)Design serial number; s: Light gray upper cover (3)Miniature (4)P: Pin-type
(5)Rated opera ng current at 380V/400Vunder AC-3 u liza on category
(6)"01" and "10" respec velyindicate that the 3-pole contactor isequipped with one set of normally closedauxiliary contactsor one set of normally open auxiliary contacts; "04" and "08" respec velyindicate that the 4-pole contactor isconfigured with four setsof normally open main contactsor two setsof normally open and normally closed auxiliary contacts.
(7)Control circuit power supply voltage: ACor DC. Without the suffi x "Z": AC; with the suffi x "Z": DC.
(8)N: Reversing Contactor

Main Technical Parameters

- Ratedworking current: 6-16A ;
- Rated working voltage: 220Vto 690V ;
- Rated insula on voltage: 690V;
- Polari es:3P、4P
- Installa on method: rail and screw

Working condi onsand installa on condi ons

Category	Workingcondi onsand installa on condi ons
Installation type	III
Pollu on Degree	3
Cer fica on mark	CE, CB, CCC
Enclosure protec on grade	IP20(excluding terminals)
Ambient air temperature	The maximum opera ng temperature is-35°C to+70°C, and the normal opera ng temperature is-5°Cto +40°CThe average value within 24 hours doesnot exceed+35°C. If used outside the normal opera ng temperature range, for details, please refer to the "Instruc onsfor Usein Abnormal Environments".
Al tude	No more than 2000m
Ambient air temperature	When the maximum temperature is+70°C, therela vehumidity of the air shall not exceed 50%. Higher rela ve humidity isallowed at lower temperatures For example, it reaches90%at +20°C.Specialmeasuresshould be taken for condensa onthat occasionally occursdue to changesin humidity
Installa on condi ons	The inclina on between the installa on surface and the ver cal surface shall not exceed +5°
Shock and Vibra on	The product should be installed and used in a place free from significant shaking, shock and vibra on

Instruc onsfor Usein Abnormal Temperature Environments

- The GB/T14048.1 standard specifiesthe normal opera ng ambient temperature of the product. When used within the normal opera ngambient temperature range, it hasno significant impact on the product performance.
- When the working environment temperature exceeds+40°C, itisnecessaryto take into account that the allowable limit temperature rise of the product should be reduced. The rated working current must be decreased, and the number of contactorsinstalled in the standard components should be reduced. Otherwise, it may causedamage, shorten the product life and reduce the workingreliability, and also affect the opera ngrange of the product. When the working environment temperature isbelow -5°C, it should be taken into account that the greaseused for insula on and lubrica on may freeze at sucha low ambient temperature, which may causethe product to malfunc on. Therefore, the manufacturer and the user need to nego ate for design or use.
- The followingtable presentsthe correc on factorsfor the rated workingcurrent when the working environment temperature exceeds55°C andtherated working voltage remainsunchanged.

Ambient temperature (℃)	55	60	65	70
Correc on Factor	1	0.93	0.875	0.75

A

- The following table provides correc on factors for the rated impulse withstand voltage and rated working current when the al tude exceeds2000mwith the rated working voltage unchanged:

Al tude (m)	2000	3000	4000	5000
Correc on Factor for Rated Impulse Withstand Voltage	1	0.88	0.78	0.7
Correc on Factor for Rated Working Current	1	0.92	0.9	0.85

Features and Performance

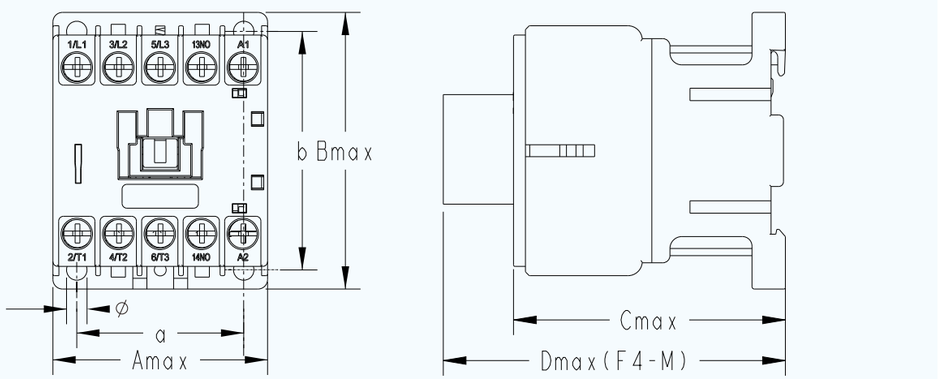
CJX2sMain Technical Parameters					
product appearance		 ACtype	 DCtype	 Pin-type	
Model (CJX2s)			CJX2s-M06	CJX2s-M09	CJX2s-M12	CJX2s-M16
Main circuit characteris cs						
Polar number			3P/4P			
Rated insula on voltage (Ui)		V	690			
Rated opera ng voltage (Ue)		V	380/400, 660/690			
Agreed hea ngcurrent (Ith), AC-1 rated opera ngcurrent			20			
Rated working current (Ie)	AC-3,380/400V	A	6	9	12	16
	AC-3,660/690V	A	3.8	4.9	4.9	4.9
	AC-4,380/400V	A	6	9	9	12
	AC-4,660/690V	A	3.8	4.9	4.9	4.9
Rated working power (Pe)	AC-3,380/400V	kW	2.2	4	5.5	7.5
	AC-3,660/690V	kW	3	4	4	4
Mechanical life		10,000 mes	1200			
Electrical life	AC-3		120			
	AC-4		22			
Opera ngfrequency	AC-3	Timesperhour	1200			
	AC-4		300			
The wiring capability of the main circuit terminals						
Flexible wire With terminal blocks	1 wire	mm²	1…2.5			
	2 wires	mm²	1…1.5			
Hard wire No terminal blocks	1 wire	mm²	1…2.5			
	2 wires	mm²	1…2.5			
Fastening torque		N·m	0.8			
Coil						
Rated control circuit voltage (Us)	50Hz	V	24 36 48 110 127 220 380 415			
	50/60Hz	V	24 36 48 110 127 220 380 415			
	DC	V	12 24 36 48 110 127 220			
Allowable control circuit voltage (Us)	Opera on	V	AC:75%~120%; DC:80%-120%			
	Release	V	AC:20%~65%; DC:10%-70%			
Coil power consump on	Pull-in	VA	20-40 (≤4.5W DC)			
	Holding	VA	9.0 (≤4.5W DC)			
Auxiliary contact						
Contact specifica on		A	1NO/1NC			
Agreed hea ngcurrent (Ith)		A	10			
Rated opera ng voltage (Ue)	AC	V	380/400			
	DC	V	220			
Rated control capacity	AC-15	VA	360			
	DC-13	W	33			

CJX2s-M Series
Miniature ACcontactor

A

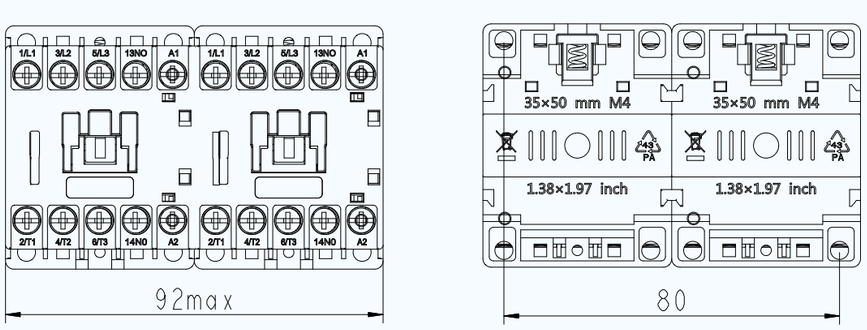
Shapeand installa on dimensions

CJX2s-M06~M16

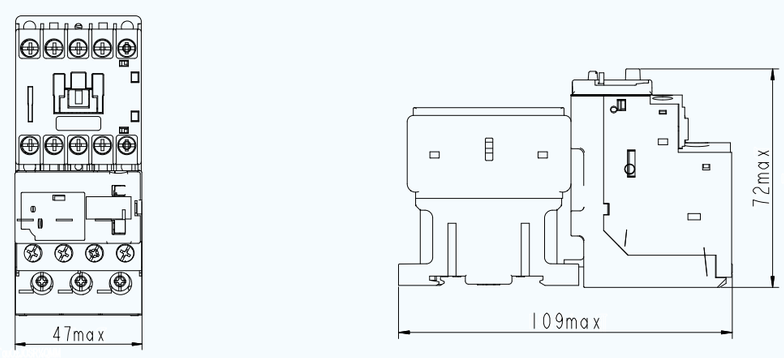


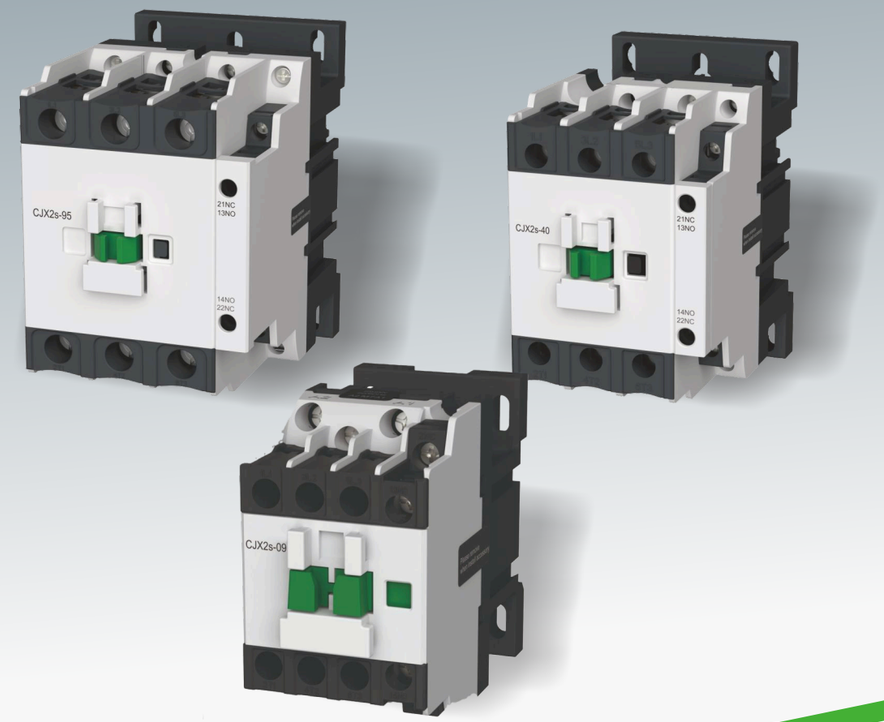
Model	Amax	Bmax	Cmax	Dmax	a	b	Φ
CJX2s-M06-M16	45.5	59	58	94	35±0.35	50±0.48	4.2
CJX2s-M06Z-M16Z	45.5	59	70	106	35±0.35	50±0.48	4.2
CJX2s-MP06-MP16	45.5	59	66	102	/	/	/

CJX2s-M06N~M16N



CJX2s-M06~M16+JR28s-M



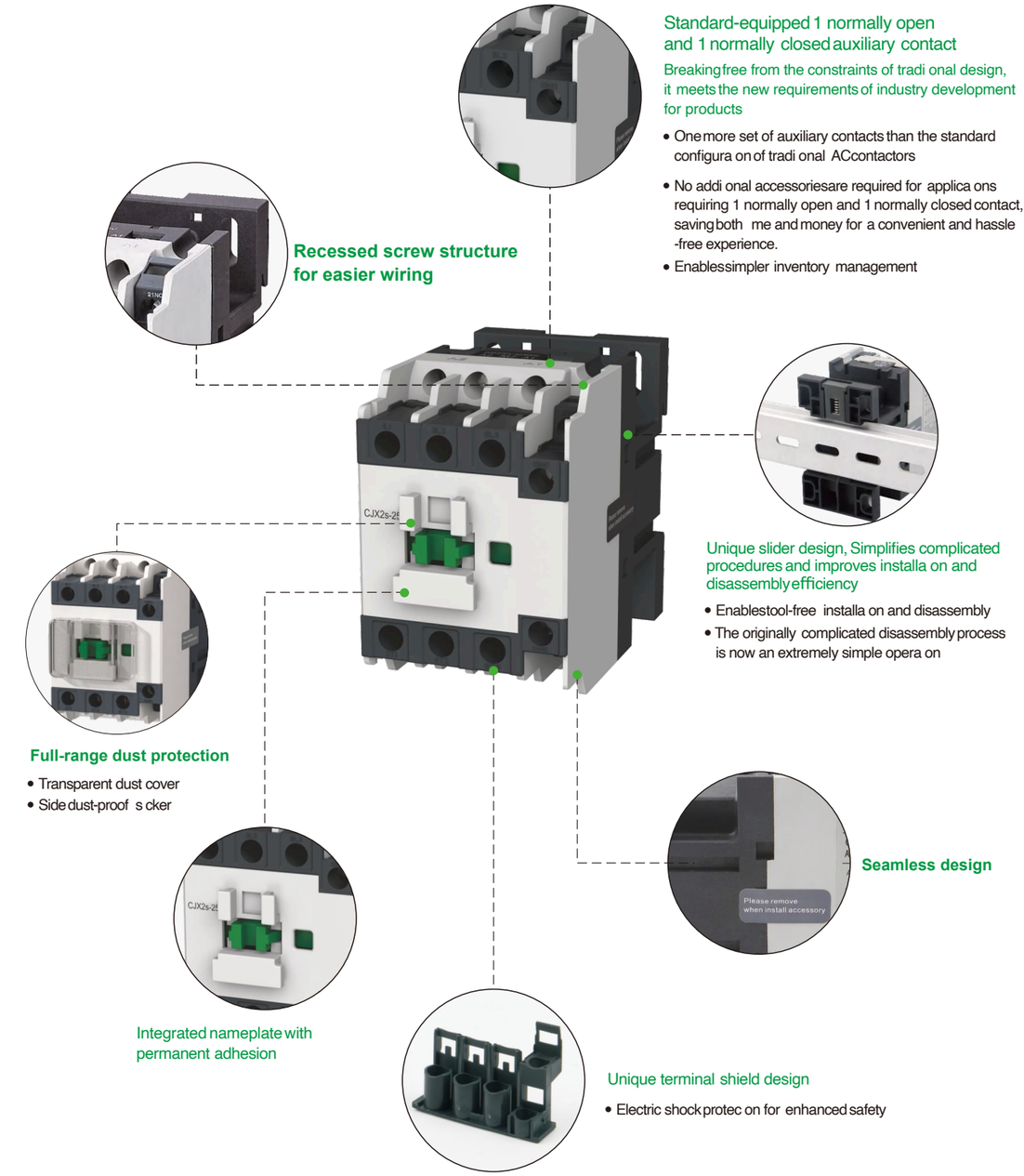


▶ CJX2sSeries AC contactor

Three Key Features

- More auxiliary contacts come as standard, mee ng diverse applica on requirements
- Suitable for wider voltage fluctua ons, ensuring stable opera on of the equipment
- Superior environmental adaptability, enabling reliable opera on even in extreme condi ons

Product Structural Analysis Diagram



B



CJX2s-09~18



CJX2s-25~38



CJX2s-40~65



CJX2s-80~95



CJX2s-110

Product Overview

The brand-new CJX2s series AC contactors feature an innova ve appearance and a compact structure. They are mainly used for frequent star ng and control of AC motors, remote on-off opera on of circuits, and can be combined with suitable thermal overload relays to form electromagne c starters. Compliance with standards: IEC60947-1, IEC60947-4-1.

Main Technical Parameters

- Rated working current: 9-95A ;
- Rated working voltage: 220V to 690V ;
- Rated insula on voltage: 690V;
- Polari es: 3P
- Installa on method: rail and screw

Working condi ons and installa on condi ons

Category	Working condi ons and installa on condi ons
Installation type	III
Pollu on Degree	3
Cer fica on mark	CE, CB, CCC, TUV
Enclosure protec on grade	CJX2s-09~38: IP20 (excluding terminals) CJX2s-40~95: IP10; CJX2s-110: IP00
Ambient air temperature	The maximum opera ng temperature is -35°C to +70°C, and the normal opera ng temperature is -5°C to +40°C The average value within 24 hours does not exceed +35°C. If used outside the normal opera ng temperature range, for details, please refer to the "Instruc ons for Use in Abnormal Environments".
Ambient air temperature	When the maximum temperature is +70°C, the rela ve humidity of the air shall not exceed 50%. Higher rela ve humidity is allowed at lower temperatures For example, it reaches 90% at +20°C. Special measures should be taken for condensa on that occasionally occurs due to changes in humidity
Installa on condi ons	The inclina on between the installa on surface and the ver cal surface shall not exceed +5°
Shock and Vibra on	The product should be installed and used in a place free from significant shaking, shock and vibra on

Instruc ons for Use in Abnormal Temperature Environments

- The GB/T14048.1 standard specifies the normal opera ng ambient temperature of the product. When used within the normal opera ng ambient temperature range, it has no significant impact on the product performance.
- When the working environment temperature exceeds +40°C, it is necessary to take into account that the allowable limit temperature rise of the product should be reduced. The rated working current must be decreased, and the number of contactors installed in the standard components should be reduced. Otherwise, it may cause damage, shorten the product life and reduce the working reliability, and also affect the opera ng range of the product.
  When the working environment temperature is below -5°C, it should be taken into account that the grease used for insula on and lubrica on may freeze at such a low ambient temperature, which may cause the product to malfunc on. Therefore, the manufacturer and the user need to nego ate for design or use.
- The following table presents the correc on factors for the rated working current when the working environment temperature exceeds 55°C and the rated working voltage remains unchanged.

Ambient temperature (℃)	55	60	65	70
Correc on Factor	1	0.93	0.875	0.75

- +55°C~+70°C: The pull-in voltage range of the AC contactor is (90%~110%)Us. The range of (70%~120%)Us is the test result obtained under the condi on of cold state at normal temperature of 20°C

B

- The following table provides correc on factors for the rated impulse withstand voltage and rated working current when the al tude exceeds 2000m with the rated working voltage unchanged:

Al tude (m)	2000	3000	4000	5000
Correc on Factor for Rated Impulse Withstand Voltage	1	0.88	0.78	0.7
Correc on Factor for Rated Working Current	1	0.92	0.9	0.85

Features and Performance

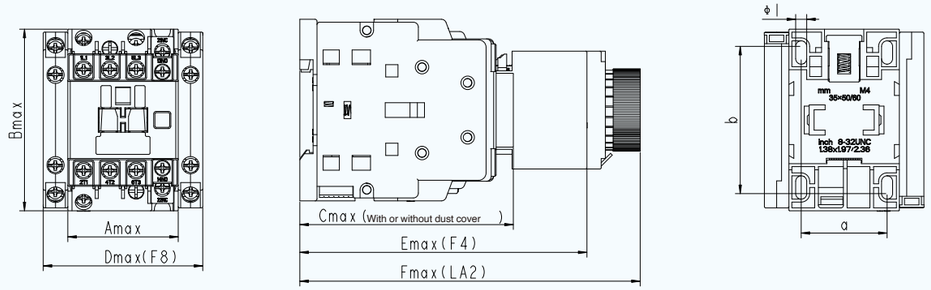
CJX2s Main Technical Parameters

product appearance														
Model (CJX2s)			CJX2s-09	CJX2s-12	CJX2s-18	CJX2s-25	CJX2s-32	CJX2s-38	CJX2s-40	CJX2s-50	CJX2s-65	CJX2s-80	CJX2s-95	CJX2s-110
Main circuit characteris cs														
Polar number			3P											
Rated insula on voltage (Ui)		V	690											
Rated opera ng voltage (Ue)		V	380/400, 660/690											
Agreed hea ng current (Ith), AC-1 rated opera ng current			20	25	32	40	50	50	60	80	80	100	125	140
Rated working current (Ie)	AC-3,380/400V	A	9	12	18	25	32	38	40	50	65	80	95	110
	AC-3,660/690V	A	6.6	8.9	12	18	22	22	34	39	42	49	49	86
	AC-4,380/400V	A	3.5	5	7.7	8.5	12	14	18.5	24	28	37	44	51
	AC-4,660/690V	A	1.5	2	3.8	4.4	7.5	8.9	9	12	14	17.3	21.3	25
Rated working power (Pe)	AC-3,380/400V	kW	4	5.5	7.5	11	15	18.5	18.5	22	30	37	45	55
	AC-3,660/690V	kW	5.5	7.5	10	15	18.5	18.5	30	37	37	45	45	80
	AC-4,380/400V	kW	1.5	2.2	3.3	4	5.4	5.5	7.5	11	15	18.5	22	25.5
	AC-4,660/690V	kW	1.1	1.5	3	3.7	5.5	6	7.5	10	11	15	18.5	21.7
Mechanical life		10,000 mes	1200			1000			900			650		
Electrical life	AC-3	10,000 mes	110					90				65		
	AC-4	10,000 mes	22						17			11		
Opera ng frequency	AC-3	Times per hour	1200						600					
	AC-4	Times per hour	300						180					
The wiring capability of the main circuit terminals														
Flexible wire	1 wire	mm²	1...4			1.5...6			6...25			6...25		10...150
With terminal blocks	2 wires	mm²	1...2.5			1.5...4			4...10			4...10		10...75
Hard wire	1 wire	mm²	1...4			1.5...6			6...25			6...25		10...150
No terminal blocks	2 wires	mm²	1...4			1.5...6			4...10			4...10		10...75
Fastening torque		N·m	1.2			1.8			6			6		10
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)	Opera on	V	70%~120%											
	Release	V	20%~65%											
Coil power consump on	Pull-in	VA	60			70			200			200		
	Holding	VA	≤9.0			≤14			≤25			≤25		
Auxiliary contact														
Contact specifica on			1NO/1NC											
Agreed hea ng current (Ith)		A	10											
Rated opera ng voltage (Ue)	AC	V	380											
	DC	V	220											
Rated control capacity	AC-15	VA	360											
	DC-13	W	33											

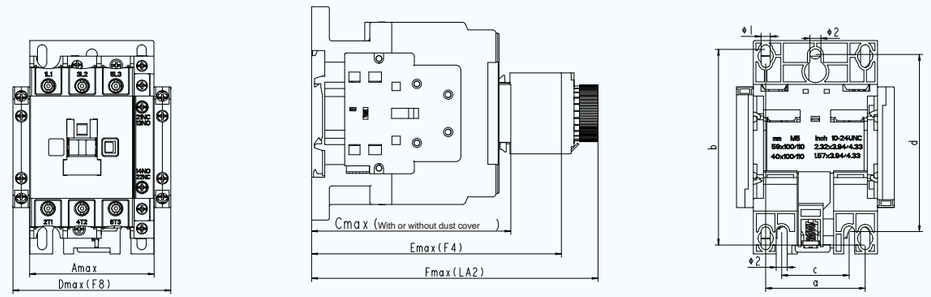
B

Shape and installa on dimensions

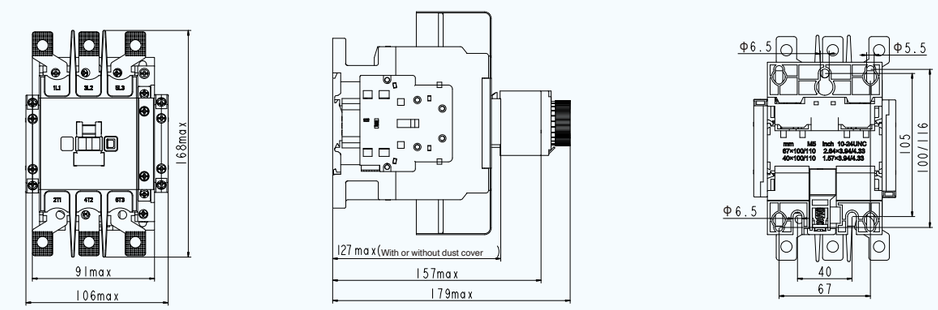
CJX2s-09~38



CJX2s-40~95



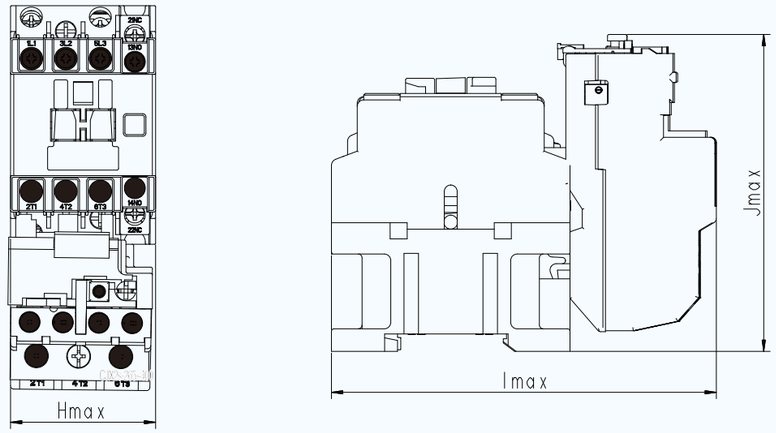
CJX2s-110



Model	Amax	Bmax	Cmax	Dmax	Emax	Fmax	a	b	c	d	Φ1	Φ2
CJX2s-09, 12, 18	74.5	45.5	89	68	119	141	35	50/60	-	-	4.5	-
CJX2s-25, 32, 38	83	56.5	100	79	130	152	40	50/72	-	-	4.5	-
CJX2s-40,50 ,65	127.5	74.5	120	96	150	172	59	116	40	105	5.5	6.5
CJX2s-80, 95	127.5	85.5	127	107	157	179	67	116	40	105	5.5	6.5

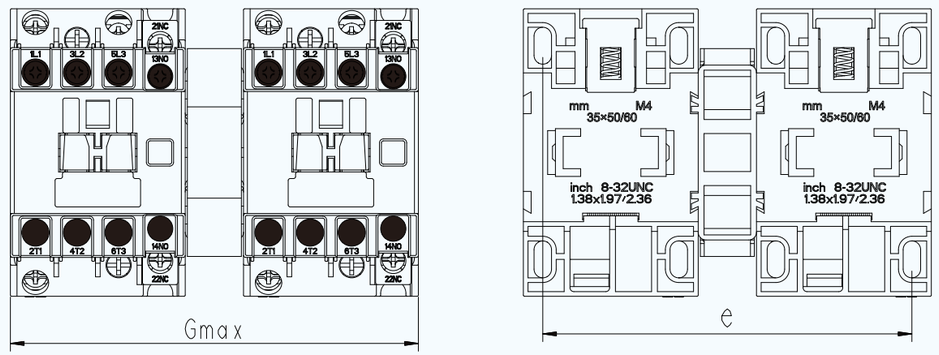
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CJX2s-09~95+JR28s-25~93



Model	Hmax	Imax	Jmax
CJX2s-09~18	47	122	100
CJX2s-25	58	130	107
CJX2s-32~38	58	143	96
CJX2s-40~65	75	174	125
CJX2s-80~95	86	180	128

CJX2s-09N~95N



Model	Gmax	e
CJX2s-09~18	107	95
CJX2s-25~38	130	110.5/111.5
CJX2s-40~65	164	148
CJX2s-80~95	186	166.5



▸ CJX2sSeries High-current ACContactor

Three Key Features

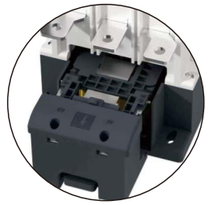
- Dual-coil control circuit, compliant with the trend of energy conserva on and consump on reduc on
- Adaptable to wider voltage fluctua ons, ensuring stable equipment opera on
- Superior environmental adaptability, reliable opera on even in extreme condi ons

Product Structure Analysis Diagram



Dual-coil control circuit

- Lower holding power consump on,
- over 40%reduc on compared with tradi onal contactors,
- energy-savingand highly efficient



BoHom drawer-type coil

- Easyto maintain and replace, reducing customers' opera onal costs





Full-range dustproof

- A dust cover can be installed on the front to prevent dust from entering the product and ensure its reliable opera on.



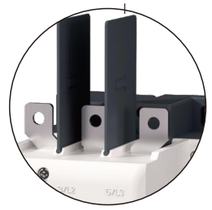
Equipped with 2 normally open and 2 normally closed auxiliary contacts as standard

- No addi onal accessories need to be installed, making inventory management more convenient



Brand-new plaForm design with a smaller footprint

- Its footprint is reduced by more than 20%compared with tradi onal contactors, effec vely saving cabinet space



Newly added arc barrier structure

- Arc barriers can be retrofiSed to increase the creepage distance between poles and achieve a higher insula on class

C



CJX2s-120~160



CJX2s-185~265



CJX2s-330~500



CJX2s-630~800

Product Overview

The new CJX2s-120~800A series AC contactors feature an innova ve appearance and a compact structure. They are mainly used for frequent star ng and control of AC motors, remote switching on and off of circuits, and can be combined with appropriate thermal overload relays to form electromagne c starters.
Complies with standards: GB/T14048.1/ IEC60947-1, GB/T14048.4/ IEC60947-4-1

Main Technical Parameters

- Rated working current: 120-800A ;
- Rated working voltage: 220V to 690V ;
- Rated insula on voltage: 1000V;
- Polari es: 3P
- Installa on method: rail and screw

Working condi ons and installa on condi ons

Category	Working condi ons and installa on condi ons
Installation type	III
Pollu on Degree	3
Enclosure protec on grade	IP00
Ambient air temperature	The maximum opera ng temperature is -35°C to +70°C, and the normal opera ng temperature is -5°C to +40°C The average value within 24 hours does not exceed +35°C. If used outside the normal opera ng temperature range, for details, please refer to the "Instruc ons for Use in Abnormal Environments".
Al tude	No more than 2000m
Ambient air temperature	When the maximum temperature is +70°C, the rela ve humidity of the air shall not exceed 50%. Higher rela ve humidity is allowed at lower temperatures For example, it reaches 90% at +20°C. Special measures should be taken for condensa on that occasionally occurs due to changes in humidity
Installa on condi ons	The inclina on between the installa on surface and the ver cal surface shall not exceed +5°
Shock and Vibra on	The product should be installed and used in a place free from significant shaking, shock and vibra on

Instruc ons for Use in Abnormal Temperature Environments

- The GB/T14048.1 standard specifies the normal opera ng ambient temperature of the product. When used within the normal opera ng ambient temperature range, it has no significant impact on the product performance.
- When the working environment temperature exceeds +40°C, it is necessary to take into account that the allowable limit temperature rise of the product should be reduced. The rated working current must be decreased, and the number of contactors installed in the standard components should be reduced. Otherwise, it may cause damage, shorten the product life and reduce the working reliability, and also affect the opera ng range of the product.
  When the working environment temperature is below -5°C, it should be taken into account that the grease used for insula on and lubrica on may freeze at such a low ambient temperature, which may cause the product to malfunc on. Therefore, the manufacturer and the user need to nego ate for design or use.
- The following table presents the correc on factors for the rated working current when the working environment temperature exceeds 55°C and the rated working voltage remains unchanged.

Ambient temperature (℃)	55	60	65	70
Correc on Factor	1	0.93	0.875	0.75

- +55°C~+70°C: The pull-in voltage range of the AC contactor is (90%~110%)Us. The range of (70% ~120%)Us is the test result obtained under the condi on of cold state at normal temperature of 20°C

C

- The following table provides correc on factors for the rated impulse withstand voltage and rated working current when the al tude exceeds 2000m with the rated working voltage unchanged:

Al tude (m)	2000	3000	4000	5000
Correc on Factor for Rated Impulse Withstand Voltage	1	0.88	0.78	0.7
Correc on Factor for Rated Working Current	1	0.92	0.9	0.85

Features and Performance

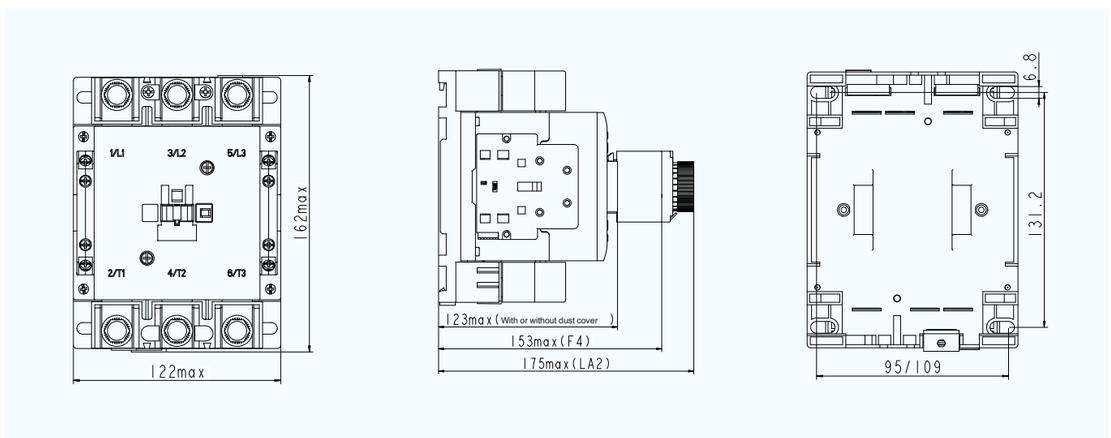
CJX2s Main Technical Parameters

product appearance										
Frame Size			120	160	185	225	265	330	400	500	630	800
Main circuit characteris cs												
Polar number			3P									
Rated insula on voltage (Ui)		V	1000									
Rated opera ng voltage (Ue)		V	380/400 , 660/690									
Agreed hea ng current (Ith), AC-1 rated opera ng current		A	200	200	275	275	315	380	450	630	700	900
Rated working current (Ie)	AC-3 , 380/400V	A	120	160	185	225	265	330	400	500	630	800
	AC-3 , 660/690V	A	86	107	107	118	170	235	303	353	400	470
Rated working power (Pe)	AC-3 , 380/400V	kW	55	75	90	110	132	160	200	250	335	450
	AC-3 , 660/690V	kW	80	100	100	110	160	200	300	335	350	375
Mechanical life		10,000 mes	600									
Electrical life	AC-3	10,000 mes	120					80				
Opera ng frequency	AC-3	10,000 mes	800					600				
The wiring capability of the main circuit terminals												
Flexible wire With terminal blocks	1 wire	mm²	10...95		10...150			/				
	2 wires	mm²	10...95		10...75			/				
Hard wire No terminal blocks	1 wire	mm²	10...95		10...150			50...240				
	2 wires	mm²	10...95		10...75			50...240				
Fastening torque		N·m	10					14				
Coil												
Rated control circuit voltage (Us)	50Hz	V	110V、127V、220/230V、380/400V									
	50/60Hz	V										
Allowable control circuit voltage (Us)	Opera on	V	75%~120%									
	Release	V	20%~70%									
Coil power consump on	Pull-in	VA	≤ 300		≤ 500			≤ 600			≤ 800	
	Holding	VA	≤ 30		≤ 11							
Auxiliary contact												
Contact specifica on		A	/		2NO+2NC							
Agreed hea ng current (Ith)		A	10									
Rated opera ng voltage (Ue)	AC	V	380									
	DC	V	220									
Rated control capacity	AC-15	VA	360									
	DC-13	W	33									

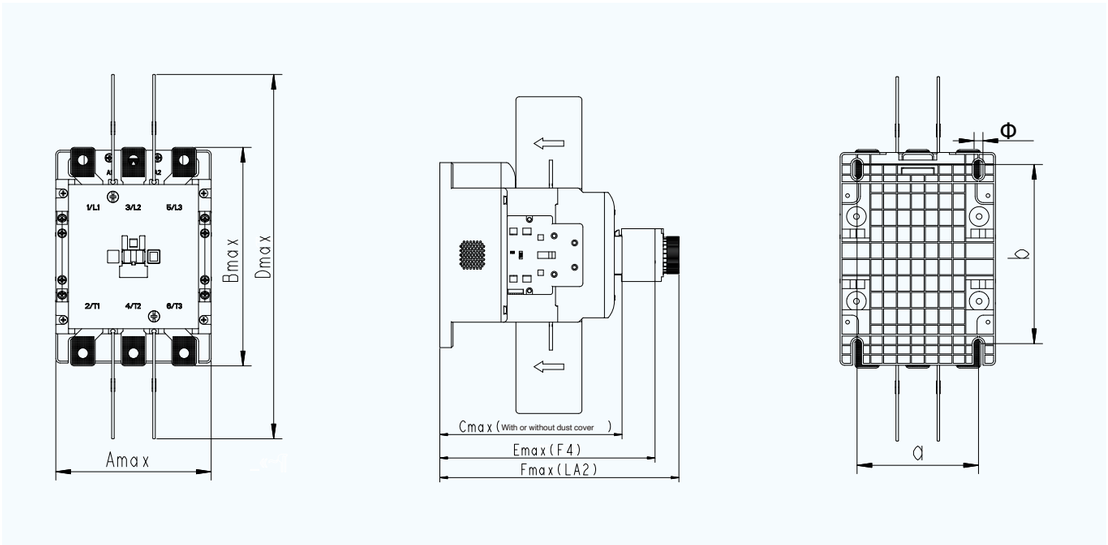
C

Shapeand installa on dimensions

CJX2s-120-160



CJX2s-185-800



Model	Amax	Bmax	Cmax	Dmax	Emax	Fmax	a	b	Φ
CJX2s-185-265	124	174	167	290	197	219	96	113.5/141.5	7
CJX2s-330-500	156	212	210	318	239	261	120	180/186	9
CJX2s-630-800	171	231	236	333	333	288	133	180/186	9



D



▸ CJX2s-W Series

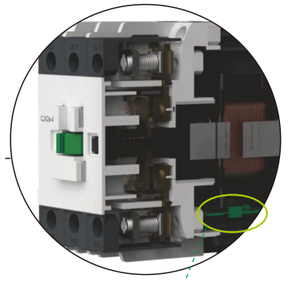
Electronic electromagne c ACcontactor

Four Key Features

- AC/DC universal coil, meeting various frequency requirements
- A wider voltage band for better adaptability to grid voltage fluctuations
- EMS anti-jamming to ensure stable operation of equipment
- Low power consumption with high retention, in line with energy-saving and environmentalprotection concepts

Product Structure Analysis Diagram



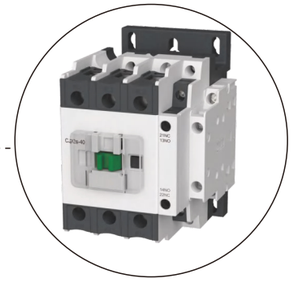


Electronic electromagne csystem with superior performance

- AC/DCalterna ng current coil
- broader pull-up voltage band
- EMSan -interference
- Low holding

CJX2sderiva veseries, with built-in circuit board

- Enable customers to upgrade their exis ngsolu ons
- Suitable for all accessoriesof CJX2sseries



D



CJX2s-W09~W18



CJX2s-W25~W38



CJX2s-W40~W65



CJX2s-W80~W95

Product Overview

The wide voltage ACcontactor derived from CIX2sseriesplaTorm ismainly used for firequent star ng and controlling ACmotor, connec ngand disconnec ng circuit at long distance, and formingelectromagne c starter with proper thermal overloadrelay.

Main Technical Parameters

- Rated working current: 9-95A ;
- Rated working voltage: 220Vto 690V ;
- Rated insula on voltage: 690V;
- Polari es:3P、4P
- Installa on method: rail and screw

Working condi onsand installa on condi ons

Category	Workingcondi onsand installa on condi ons
Installation type	III
Pollu on Degree	3
Enclosure protec on grade	CJX2s-W09~W38: IP20(excluding terminals) ; CJX2s-W40~W95: IP10
Ambient air temperature	The maximum opera ng temperature is-35°C to+70°C, and the normal opera ng temperature is-5°Cto +40°CThe average value within 24 hoursdoesnot exceed+35°C. If usedoutside the normal opera ngtemperature range, for details, pleaserefer to the "Instruc onsfor Usein Abnormal Environments".
Al tude	No more than 2000m
Ambient air temperature	When the maximum temperature is+70°C, therela vehumidity of the air shall not exceed50%. Higher rela ve humidity isallowed at lower temperatures For example, it reaches90%at +20°C. Special measuresshould be taken for condensa on that occasionally occursdue to changesin humidity
Installa on condi ons	The inclina on between the installa on surface and the ver cal surface shall not exceed +5°
Shockand Vibra on	The product should be installed and usedin a place free from significant shaking, shockand vibra on
Electromagne ccompa bility	Compliant with EMS

Instruc onsfor Usein Abnormal Temperature Environments

- The GB/T14048.1 standard specifiesthe normal opera ng ambient temperature of the product. When usedwithin the normal opera ngambient temperature range, it hasno significant impact on the product performance.
- When the working environment temperature exceeds+40°C, itisnecessaryto take into account that the allowable limit temperature rise of the product should be reduced. The rated working current must be decreased, and the number of contactorsinstalled in the standard components should be reduced. Otherwise, it may causedamage, shorten the product life and reduce the working reliability, and also affect the opera ngrange of the product.
  When the working environment temperature isbelow -5°C,it should be taken into account that the greaseused for insula on and lubrica on may freeze at sucha low ambient temperature, which may causethe product to malfunc on. Therefore, the manufacturer and the user need to nego ate for design or use.
- The followingtable presentsthe correc on factorsfor the rated workingcurrent when the working environment temperature exceeds55°C andtherated working voltage remainsunchanged.

Ambient temperature (℃)	55	60	65	70
Correc on Factor	1	0.93	0.875	0.75

- The following table provides correc on factors for the rated impulse withstand voltage and rated working current when the al tude exceeds2000mwith the rated working voltage unchanged:

Al tude (m)	2000	3000	4000	5000
Correc on Factor for Rated Impulse Withstand Voltage	1	0.88	0.78	0.7
Correc on Factor for Rated Working Current	1	0.92	0.9	0.85

Features and Performance

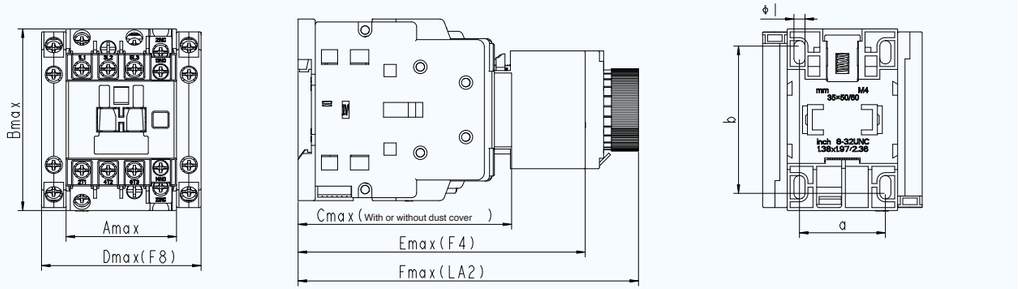
CJX2s-WMain Technical Parameters

product appearance													
Model (CJX2s-W)			09	12	18	25	32	38	40	50	65	80	95
Main circuit characteris cs													
Polar number			3P										
Rated insula on voltage (Ui)		V	690										
Rated opera ng voltage (Ue)		V	380/400, 660/690										
Agreed hea ngcurrent (Ith), AC-1rated opera ngcurrent			20	25	32	40	50	50	60	80	80	100	125
Rated working current (Ie)	AC-3,380/400V	A	9	12	18	25	32	38	40	50	65	80	95
	AC-3,660/690V	A	6.6	8.9	12	18	22	22	34	39	42	49	49
	AC-4,380/400V	A	3.5	5	7.7	8.5	12	14	18.5	24	28	37	44
	AC-4,660/690V	A	1.5	2	3.8	4.4	7.5	8.9	9	12	14	17.3	21.3
Rated working power (Pe)	AC-3,380/400V	kW	4	5.5	7.5	11	15	18.5	18.5	22	30	37	45
	AC-3,660/690V	kW	5.5	7.5	10	15	18.5	18.5	30	37	37	45	45
	AC-4,380/400V	kW	1.5	2.2	3.3	4	5.4	5.5	7.5	11	15	18.5	22
	AC-4,660/690V	kW	1.1	1.5	3	3.7	5.5	6	7.5	10	11	15	18.5
Mechanical life		10,000 mes	1200			1000			900			650	
Electrical life	AC-3	10,000 mes	110						90			65	
	AC-4	10,000 mes	22						17			11	
Opera ngfrequency	AC-3	Timesperhour	1200						600				
	AC-4	Timesperhour	300						180				
The wiring capability of the main circuit terminals													
Flexible wire	1 wire	mm²	1...4			1.5...6			6...25			10...50	
With terminal blocks	2 wires	mm²	1...2.5			1.5...4			4...10			6...25	
Hard wire	1 wire	mm²	1...4			1.5...6			6...25			10...50	
No terminal blocks	2 wires	mm²	1...4			1.5...6			4...10			6...25	
Fasteningtorque		N·m	1.2			1.8			6			9	
Coil													
Rated control circuit voltage (Us)	AC/DC	V	24、48、100-240										
Allowable control circuit voltage (Us)	Opera on	V	85%~110%Us										
	Release	V	20%~80%Us										
Coil power consump on	Pull-in	VA	60			70			200			200	
	Holding	VA	≤5										
Auxiliary contact													
Contact specifica on		A	1NO/1NC										
Agreed hea ngcurrent (Ith)		A	10										
Rated opera ng voltage (Ue)	AC	V	380										
	DC	V	220										
Rated control capacity	AC-15	VA	360										
	DC-13	W	33										

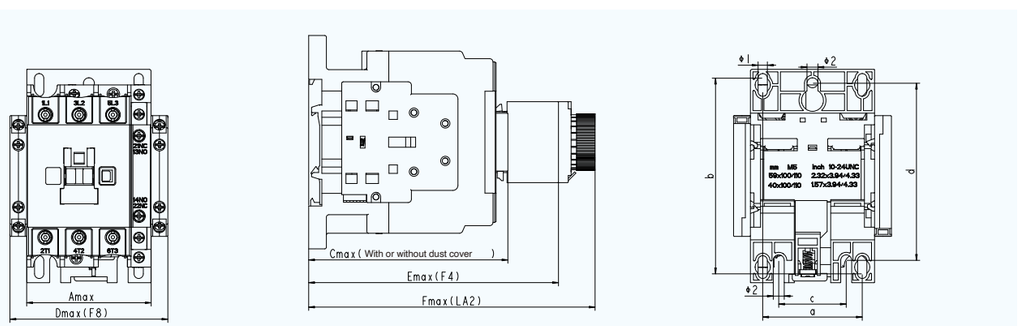
CJX2s-W Series
Electronic electromagne c ACcontactor

Shapeand installa on dimensions

CJX2s- W09~W38



CJX2s-W40~W95

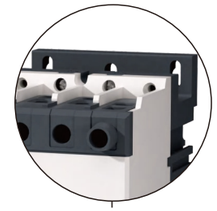


Model	Amax	Bmax	Cmax	Dmax	Emax	Fmax	a	b	c	d	Φ1	Φ2
CJX2s-W09, 12, 18	74.5	45.5	89	68	119	141	35	50/60	-	-	4.5	-
CJX2s-W25, 32, 38	83	56.5	100	79	130	152	40	50/72	-	-	4.5	-
CJX2s-W40,50 ,65	127.5	74.5	120	96	150	172	59	116	40	105	5.5	6.5
CJX2s-W80, 95	127.5	85.5	127	107	157	179	67	116	40	105	5.5	6.5



E

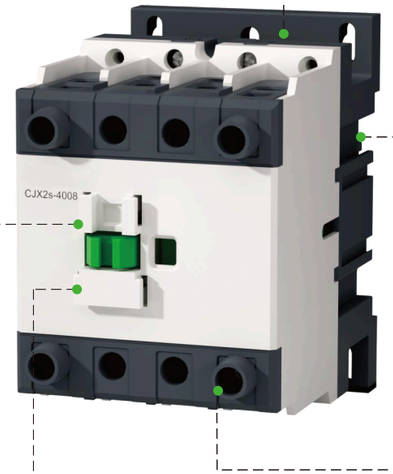
Product Structural Analysis Diagram

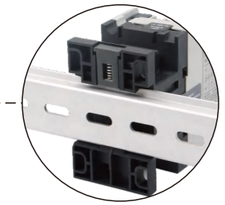


Engineering plas c base

BeHerprotec on and lighter weight

- It provides comprehensive shielding protec on for electromagne c systems, preven ng dust ingress.
- Lighter than tradi onal iron bases





Unique slider design

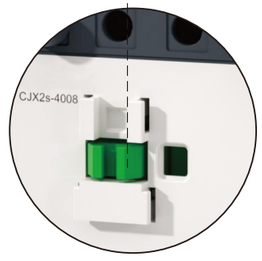
Make complex tasks simple and enhance the efficiency of installa on and disassembly.

- Unique slider design
- Enable tool-free installa on and removal
- What used to be a tedious disassembly process has now become remarkably simple.



All-round dust-proofing

- A transparent dust cover can be added
- side dust cover



Integrated signage, never falling off



Unique terminal cover design

- ectric shock protec on for greater safety

E



▶ CJX2s-4P Series AC contactor

Two Key Features

- Supports higher voltage fluctua ons to ensure stable equipment opera on
- Superior environmental adaptability ensures reliable opera on even in extreme condi ons



CJX2s-09~18(04/ 08)



CJX2s-25~38(04/ 08)



CJX2s-4008~6508



CJX2s-8008~9508

Product Overview

The all-new CJX2s4Pseries ACcontactorsfeaure a sleek design and compact structure. They are primarily designed for three-phasefour-wire systemsrequiring, simultaneousphase and neutral line disconnec on during power outages, or for applica onsneeding flexible switching between two power supplies,

Main Technical Parameters

- Ratedworking current: 9-95A;
- Ratedworking voltage: 220V to 690V;
- Rated insulation voltage: 690V;
- Number of poles: 4P (Model +04 is a four normally open product with the correspondingcurrent rating, while Model +08 is a two normally open and two normally closed product with the samerating).
- Installation method: rail and screw

Working condi onsand installa on condi ons

Category	Workingcondi onsand installa on condi ons
Installation type	Ⅲ
Pollu on Degree	3
Outer protection rating	CJX2s-09~38 (4P): IP20(excluding terminals) ; CJX2s-40~95(4P): IP10
Ambient air temperature	The extreme workingtemperature is-350°C,+70°C,normal working temper.ature is-5°C~+40°C,andthe average value of the 24 hours isnot more than+35°C. If not used within the normal opera ngtemperature range, see "Usage in Non-Standard Environments" for details.
Al tude	No more than 2000m
Ambient air temperature	When the maximum temperature is+70°C, therela vehumidity of the air shall not exceed 50%. Higher rela ve humidity isallowed at lower temperatures. For example, it reaches90%at +20°C. Special measuresshould be taken for condensa on that occasionally occursdue to changesin humidity
Shock and Vibra on	The installa on surface shall not be inclined by more than+5° from the ver cal plane
Impact and Vibra on	The product should be installed and used in a place free from significant shaking, impact, and vibra or

Instruc onsfor Usein Abnormal Temperature Environments

- The GB/T14048.1 standard specifiesthe normal opera ng ambient temperature of the product. When used within the normal opera ng ambient temperature range, it hasno significant impact on the product performance.
- When the working environment temperature exceeds+40°C, itisnecessaryto take into account that the allowable limit temperature rise of the product should be reduced. Therated working current must be decreased, and the number of contactorsinstalled in the standard components should be reduced. Otherwise, it may causedamage, shorten the product life and reduce the working reliability, and also affect the opera ngrange of the product.
  When the working environment temperature isbelow -5°C,it should be taken into account that the greaseused for insula on and lubrica on may freeze at sucha low ambient temperature, which may causethe product to malfunc on. Therefore, the manufacturer and the user need to nego ate for design or use.
- Thefollowingtable presentsthe correc on factorsfor the rated workingcurrent when the working environment temperature exceeds55°C andtherated working voltage remainsunchanged.

Ambient temperature (℃)	55	60	65	70
Correc on Factor	1	0.93	0.875	0.75

- The following table provides correc on factors for the rated impulse withstand voltage and rated working current when the al tude exceeds2000mwith the rated working voltage unchanged:

Al tude (m)	2000	3000	4000	5000
Correc on Factor for Rated Impulse Withstand Voltage	1	0.88	0.78	0.7
Correc on Factor for Rated Working Current	1	0.92	0.9	0.85

Features and Performance

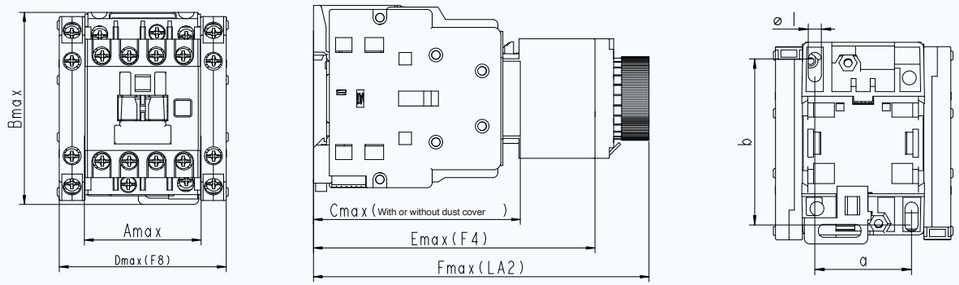
CJX2s(4P)Main Technical Parameters

product appearance														
Model (4P)				CJX2s-09	CJX2s-12	CJX2s-18	CJX2s-25	CJX2s-32	CJX2s-38	CJX2s-40	CJX2s-50	CJX2s-65	CJX2s-80	CJX2s-95
Main circuit characteris cs														
Polar number				4P										
Rated insula on voltage (Ui)		V		690										
Rated opera ng voltage (Ue)		V		380/400, 660/690										
Agreed hea ngcurrent (Ith), AC-1 rated opera ngcurrent				20	25	32	40	50	50	60	80	80	100	125
Rated working current (Ie)	AC-3,380/400V	A		9	12	18	25	32	38	40	50	65	80	95
	AC-3,660/690V	A		6.6	8.9	12	18	22	22	34	39	42	49	49
	AC-4,380/400V	A		3.5	5	7.7	8.5	12	14	18.5	24	28	37	44
	AC-4,660/690V	A		1.5	2	3.8	4.4	7.5	8.9	9	12	14	17.3	21.3
Rated working power (Pe)	AC-3,380/400V	kW		4	5.5	7.5	11	15	18.5	18.5	22	30	37	45
	AC-3,660/690V	kW		5.5	7.5	10	15	18.5	18.5	30	37	37	45	45
	AC-4,380/400V	kW		1.5	2.2	3.3	4	5.4	5.5	7.5	11	15	18.5	22
	AC-4,660/690V	kW		1.1	1.5	3	3.7	5.5	6	7.5	10	11	15	18.5
Mechanical life		10,000 mes		1200				1000			900		650	
Electrical life	AC-3	10,000 mes		110						90			65	
	AC-4	10,000 mes		22							17		11	
Opera ngfrequency	AC-3	Timesperhour		1200							600			
	AC-4	Timesperhour		300							180			
The wiring capability of the main circuit terminals														
Flexible wire	1 wire	mm²		1...4				1.5...6			6...25		10...50	
With terminal blocks	2 wires	mm²		1...2.5				1.5...4			4...10		6...25	
Hard wire	1 wire	mm²		1...4				1.5...6			6...25		10...50	
No terminal blocks	2 wires	mm²		1...4				1.5...6			4...10		6...25	
Fasteningtorque		N·m		1.2				1.8			6		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)	Opera on	V		09-38：70%~120%						40-95：90%~120%				
	Release	V		09-38：20%~65%						40-95：20%~85%				
Coil power consump on	Pull-in	VA		60				70			200		200	
	Holding	VA		≤9.0				≤14			≤25		≤25	

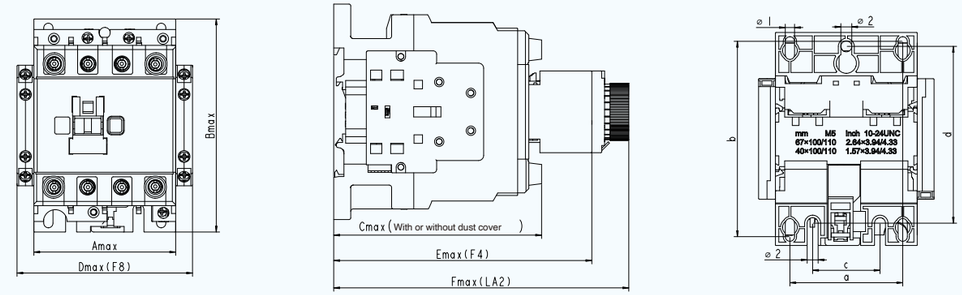
CJX2s-4P Series
AC contactor

Shape and installa on dimensions

CJX2s-09~38(4P)



CJX2s-40~95(4P)

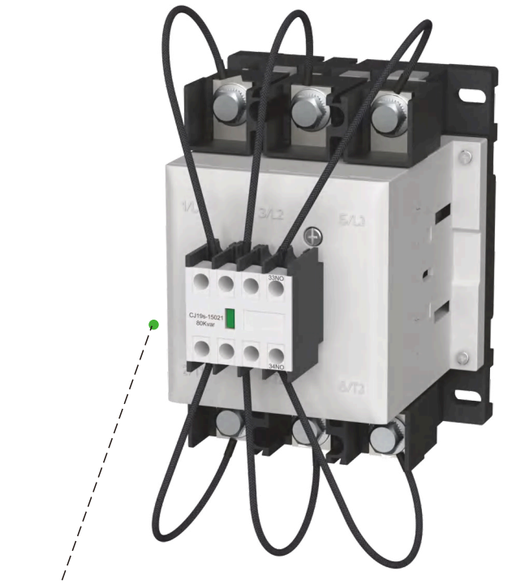


Model		Amax	Bmax	Cmax	Dmax	Emax	Fmax	a	b	c	d	Φ1	Φ2
CJX2s-09, 12, 18(4P)		47	76	84	67	115	136	34/36	48.5/61.5	-	-	4.8	-
CJX2s-25, 32, 38(4P)		58	83	96	77	127	149	39/40	46/70	-	-	5	-
CJX2s-40,50,65 (4P)	04	86	128	122	106	153	175	67	116	40	105	5.5	6.5
	08			124									
CJX2s-80, 95(4P)	04	98	129	127	118	158	179	68	115	40.5	107.5	5.5	6.5
	08			137									



F

Product Structure Analysis Diagram



Equipped with a built-in inrush current suppression device, which effec vely reduces the risk of contactor contact welding

The inrush current suppression device closes frst when the product operates, using the impedance of the resistance wire to limit the inrush current within a safe threshold, and disconnects a Uer the main circuit of the contactor is switched on.

F

▸ CJ19s Series Switching capacitor contactor

Two Key Features

- Built-in Inrush Current Suppression Device: Protects circuits and components
- CJX2s series deriva ve, forming a series appearance



CJ19S-20~25



CJ19S-32~43



CJ19S-95~115



CJ19S-150~170

Product Overview

The CJ19sseriesswitching capacitor contactor (hereaUer refered to asthe contactor) isprimarily used in power lineswithaltera ng current of 50Hz(or 60Hz) and rated opera ng voltage up to 690V. It isdesigned to control the connec on oidisconnec on of low-voltage shunt capacitorsfor low-voltage reac vepower compensa onequipment. The contactor isequippedwith a surge current suppression device, which effec velyreducesthe impact of closing surge currentson the capacitors. Complieswith the following standards: GB/T14048.4 and IEC/EN60947-4-1.

Main Technical Parameters

- Ratedworking current: 11-136.8A;
- Rated working voltage: 220Vto 690V;
- Rated insula on voltage: 690V;
- Nmber of poles: 3p (he last digit of the product modelscuret raingimndicatesthe mmber of nomaly oen auxiiary conacts, whie he next two digisindicate the mmber of nomaly closedauxilancontacts);
- Installa on method: rail and screw

Working condi onsand installa on condi ons

Category	Workingcondi onsand installa on condi ons
Installation type	III
Pollu on Degree	3
Outer protection rating	CJ19s-25to 43: IP20; CJ19s-50to 115: IP10; CJ19s-150to 170: IP00
Ambient air temperature	The extreme working temperature is-35°C~+70°C,normal working temper.ature is-5°C+40°C, and the average value of the 24 hoursisnot more than+35°C. If not usedwithin the normal opera ngtemperature range, see"Usagein Non-Standard Environments" for details.
Al tude	No more than 2000m
Ambient air temperature	At the maximum temperature of +70°C,the rela ve humidity oUhe air should not exceed50%. Higher rela ve humidity may bepermiSed at lower temperatures. For example, the rate of growth is90%at +20°C. Special measuresshould be taken for occasional condensa on causedby humidity change
Installa on condi ons	The installa on surface shall not be inclined by more than+5° from the ver cal plane.
Shockand Vibra on	The product should be installed and usedin a place free from significant shaking,. impact. and vibra on.

Instructions for usein abnormal temperature environments

- The GB/T14048.1 standard specifiesthe normal opera ng temperature range for products. When usedwithin thisrange, the product performance remainsunaffected.
- When ambient temperaturesexceed +40°C, theproduct'spermissible maximum temperature rise must bereduced. Thisrequireslowering the rated opera ng current and decreasing the number of contactorsinstalledin standard components. Failure to comply maycausedamage, shorten product lifespan, reduce opera onalreliability, and affect the product'sopera onal range. Conversely, when ambient temperaturesdrop below-5°C, the insula ng grease and lubrica ng greasemay freeze at suchextreme temperatures, leading tomalfunc on, Vanufacturers should therefore collaborate with usersto design or implement appropriatesolu ons.
- The table below showsthe correc on factor for the rated working current when the ambien temperature exceeds55'Cand the rated working voltage remainsunchanged.

Ambient temperature (℃)	55	60	65	70
Correc on Factor	1	0.93	0.875	0.75

- The following table provides correc on factors for the rated impulse withstand voltage and rated working current when the al tude exceeds2000mwith the rated working voltage unchanged:

Al tude (m)	2000	3000	4000	5000
Correc on Factor for Rated Impulse Withstand Voltage	1	0.88	0.78	0.7
Correc on Factor for Rated Working Current	1	0.92	0.9	0.85

Features and Performance

CJ19s Main Technical Parameters

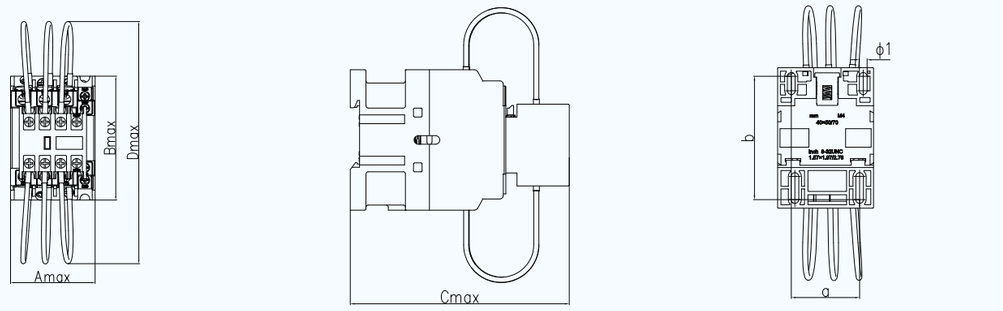
product appearance												
Model (CJ19s)			CJ19s-20	CJ19s-25	CJ19s-32	CJ19s-43	CJ19s-50	CJ19s-63	CJ19s-80	CJ19s-95	CJ19s-115	CJ19s-150	CJ19s-170
Main circuit characteris cs													
Rated opera ng voltage (Ue)		V	380/400 , 660/690										
Rated insula on voltage (Ui)		V	690										
Rated current ofcontrollable capacitor	AC-6b 380V	A	11	17	29	36	36	43	58	72	87	121.6	136.8
Controllable capacitor Rated cap-acity (Qn)	AC-6b 220V	kVar	4.5	6	9	10	15	15	22	22.5	35	46.3	52.1
	AC-6b 380V	kVar	7.5	12.5	18	20	25	30	40	45	60	80	90
Agreed hea ng current		A	20	25	32	43	50	63	80	95	115	150	170
Control current capacity			20Ie										
Mechanical life		10,000 mes	100										
Electrical life: AC-6b380V		10,000 mes	15									12	
Cablecapacity, Cross-sec onalareaof copper wire		mm^2	4										
Coil													
Control thesupply power voltage (Us)	50Hz AC	V	110、220、380、220/230、380/400										
Control Loop voltage	Opera on	V	70%-120%										
	Release	V	20%-65%										
Auxiliary contact													
Contact specifica on		A	2NO+1NC/1NO+2NC									1NO/1NC	
Agreed hea ng current (Ith)		A	10										
Rated opera ng voltage (Ue)	AC	V	380										
	DC	V	220										
Rated control capacity	AC-15	VA	360										
	DC-13	W	33										

CJ19s Series
Switching capacitor contactor

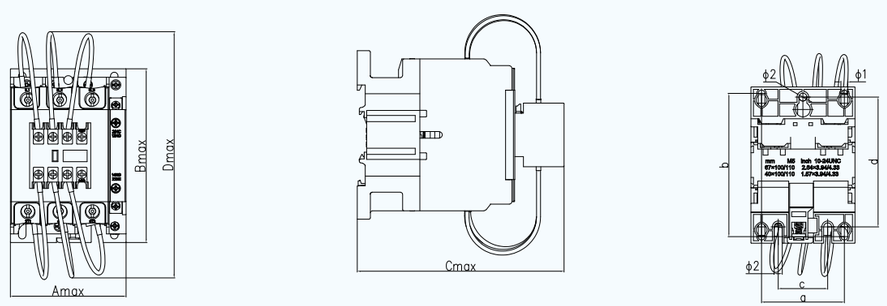
F

Shapeand installa on dimensions

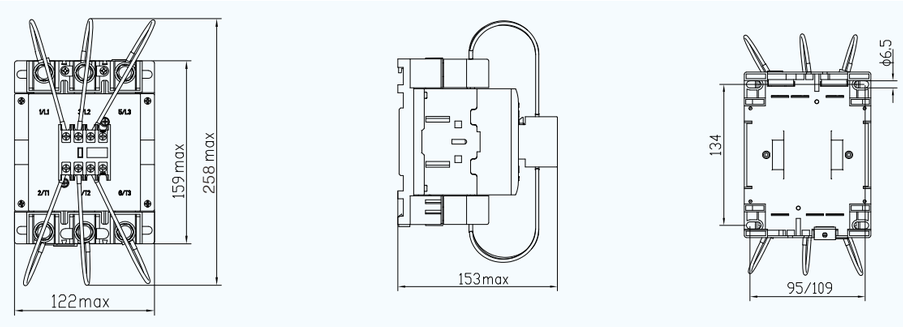
CJ19s-20~43



CJ19s- 50~ 115



CJ19s-150~170



Model	Overall Dimensions				Installa on Dimensions					
	Amax	Bmax	Cmax	Dmax	a	b	c	d	Φ1	Φ2
CJ19s-20-25	45.5	74.5	122	176	35	50/60	-	-	4.5	-
CJ19s-32~43	56.5	83	132	180	40	50/72	-	-	4.5	-
CJ19s-50~80	74.5	127.5	154	190	59	116	40	105	5.5	6.5
CJ19s-95~115	85.5	127.5	160	190	67	116	40	105	5.5	6.5



G

▶ KCC6-M Series ACcontactor

Three Key Features

- High protection level, capable of adapting to working conditions with a lot of dust
- It can be configured as 2P/3P, eliminating redundant configurations and saving costs.
- Smaller size, optimized cabinet space

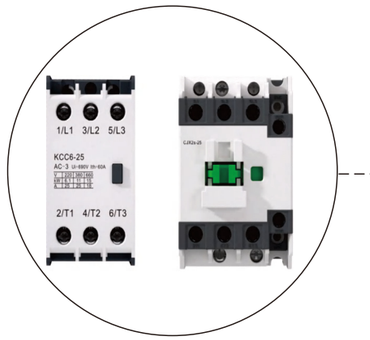
Product Structural Analysis Diagram



Can be used for 2P/3P main circuits

- It can be selected as 2P or 3P according to the load.
- Eliminate the unused auxiliary contacts to save costs.





Smaller size, better protection level

- Smaller in size compared to mainstream products
- The protection level can reach Ip40.

G



KCC6-M09~M18/ 2P



KCC6-M09~M18/ 3P



KCC6-M25~M38/ 2P



KCC6-M25~M38/ 3P

Product Overview

KCC6-M AC contactors are used for remote switching and AC motor control. Select the operating current, voltage and pole arrangement from the model-specific technical table. Confirm the installation environment and protection requirements for the selected assembly.

Main Technical Parameters

- Ratedworking current: 9-38A;
- Ratedworking voltage: 220V to 690V;
- Rated insulation voltage: 690V;
- Number of poles: see model table
- Installation method: Railand screwinstalla on

Working condi onsand installa on condi ons

Category	Workingcondi onsand installa on condi ons
Installation type	III
Pollu on Degree	3
Outerprotection rating	IP40 (excluding the terminal connec ons)
Ambient air temperature	Normal operation: -5°C to +40°C; 24-hour average not above +35°C. Extended-temperature limits require model-specific confirmation.
Al tude	No more than 2000m
Ambient air temperature	When the maximum temperature is+70°C, therela vehumidity of the air shall not exceed50%. Higher rela ve humidity isallowed at lower temperatures. For example, it reaches90%at +20°C. Special measuresshould be taken for condensa on that occasionally occursdue to changesin humidity
Shockand Vibra on	The installa on surface shall not be inclined by more than+5° from the ver cal plane
Impact and Vibra on	The product should be installed and usedin a place free from significant shaking, impact, and vibra or

Instruc onsfor Usein Abnormal Temperature Environments

- The GB/T14048.1 standard specifiesthe normal opera ng ambient temperature of the product. When usedwithin the normal opera ng ambient temperature range, it hasno significant impact on the product performance.
- When the working environment temperature exceeds+40°C, itisnecessaryto take into account that the allowable limit temperature rise of the product should be reduced. Therated working current must be decreased, and the number of contactorsinstalled in the standard components should be reduced. Otherwise, it may causedamage, shorten the product life and reduce the working reliability, and also affect the opera ngrange of the product.
  When the working environment temperature isbelow -5°C, it should betaken into account that the greaseused for insula on and lubrica on may freeze at sucha low ambient temperature, which maycausethe product to malfunc on. Therefore, the manufacturer and the user need to nego ate for design or use.
- Thefollowingtable presentsthe correc onfactorsfor the rated workingcurrent when the working environment temperature exceeds55°C andtherated working voltage remainsunchanged.

Ambient temperature (℃)	55	60	65	70
Correc on Factor	1	0.93	0.875	0.75

- The following table provides correc on factors for the rated impulse withstand voltage and rated working current when the al tude exceeds2000mwith the rated working voltage unchanged:

Al tude (m)	2000	3000	4000	5000
Correc on Factor for Rated Impulse Withstand Voltage	1	0.88	0.78	0.7
Correc on Factor for Rated Working Current	1	0.92	0.9	0.85

Features and Performance

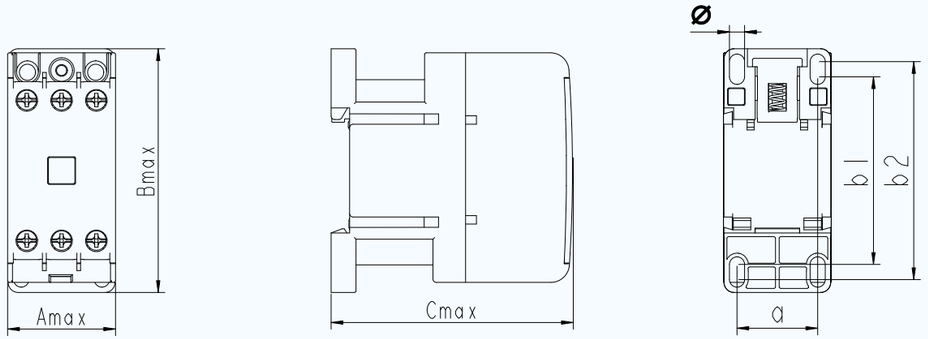
KCC6-M Main Technical Parameters								
product appearance								
Model			KCC6-M09	KCC6-M12	KCC6-M18	KCC6-M25	KCC6-M32	KCC6-M38
Main circuit characteris cs								
Polar number			2P/3P					
Rated insula on voltage (Ui)		V	690					
Rated opera ng voltage (Ue)		V	380/400, 660/690					
Agreed hea ng current (Ith), AC-1 rated opera ng current			20	25	32	40	50	50
Rated working current (Ie)	AC-3,380/400V	A	9	12	18	25	32	38
	AC-3,660/690V	A	6.6	8.9	12	18	22	22
	AC-4,380/400V	A	3.5	5	7.7	8.5	12	14
	AC-4,660/690V	A	1.5	2	3.8	4.4	7.5	8.9
Rated working power (Pe)	AC-3,380/400V	kW	4	5.5	7.5	11	15	18.5
	AC-3,660/690V	kW	5.5	7.5	10	15	18.5	18.5
	AC-4,380/400V	kW	1.5	2.2	3.3	4	5.4	5.5
	AC-4,660/690V	kW	1.1	1.5	3	3.7	5.5	6
Mechanical life		10,000 mes	1200				1000	
Electrical life	AC-3	10,000 mes	110				90	
	AC-4	10,000 mes	22					
Opera ng frequency	AC-3	Times per hour	1200				600	
	AC-4	Times per hour	300				180	
The wiring capability of the main circuit terminals								
Flexible wire	1 wire	mm²	1...4				1...6	
With terminal blocks	2 wires	mm²	1...2.5				1...4	
Hard wire	1 wire	mm²	1...4				1.5...6	
No terminal blocks	2 wires	mm²	1...4				1.5...6	
Fastening torque	N·m		1.2				1.8	
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)	Operation	V	70%~120%					
	Release	V	20%~65%					
Coil power consump on	Pull-in	VA	60				70	
	Holding	VA	≤9.0				≤14	

KCC6-M Serie

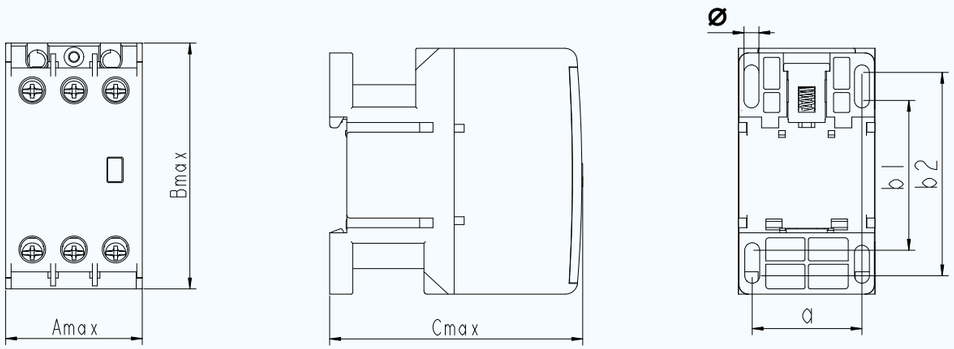
ACcontactor

Shapeand installa on dimensions

KCC6-09~18



KCC6-25~38



Model	Amax	Bmax	Cmax	a	b1	b2	Φ
KCC6-09, 12, 18	33	74	74	24	56	65	4.5
KCC6-25, 32, 38	45	80	83	35	48	65	4.5



H

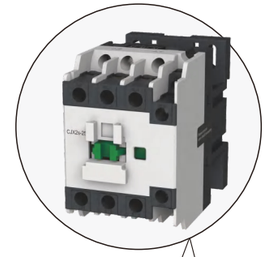
IP55

▶ KCQ7 Series Electromagne c starter

Three Key Features

- Protection Class: IP55
- Highly reliable Highly compatible
- Convenient for maintenance and inspection

Product Structural Analysis Diagram



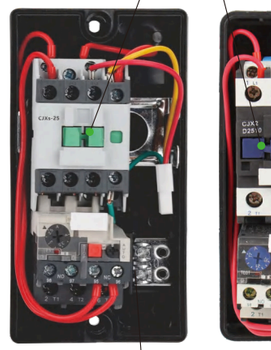
Rich selec on op ons

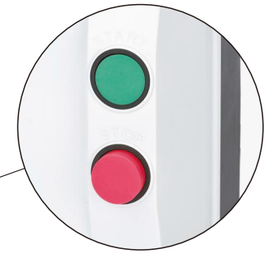
Canbe op onally installed on both CJX2-Dand CJX2series ACcontactors



Highly reliable

Silver rivets and hot rive ng processare adopted to ensure more reliable electrical contact





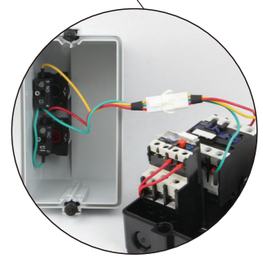
Highly compa ble

Flat-head buSons, raised-head buSons, flat-head illuminated buSons, etc., from the XB2-Eseries are available for selec on.



Provides motor protec on

Provides overload and phase loss protec on with adjustable current ra ngs



Convenient for maintenance and inspec on

Connector-basedwiring is adopted for easier component replacement

H



KCQ7-09~18



KCQ7-25~32



KCQ7-40~93

Scopeof applica on

The KCQ7SeriesElectromagne c Starter (hereinaUer referred to asthe Starter) ismainly applicable to the direct star ng and stopping of three-phase squirrel-cage induc on motorswith a rated AC frequency of 50Hz(or 60Hz), rated opera ng voltage up to 660V, and rated opera ng current up to 93A under the AC-3service category. It also providesoverload protec on for the motors.

Complieswith standards: IEC/EN60947-4-1, GB/T14048.4

Normal Opera ng Condi ons and Installa onCondi ons

- Al tude: Not exceeding2000 m
- Ambient air temperature: Rangingfrom -5°Cto +40°C,with the 24-hour averagetemperature not exceeding +35°C
- Atmospheric Condi ons:The rela ve humidity of the atmosphere shall not exceed50%at a temperature of +40°C. Higher rela ve humidity is permissible at lower temperatures. The monthly averageminimum temperature of the weSest month shall not exceed +25°C,and the monthly averagemaximum rela ve humidity of the same month shall not exceed 90%. In addi on, condensa onon the product causedby temperature changesshall be taken into account.
- Inclina on rela ve to the ver cal plane: Not exceeding5°
- It shall be used in loca onsfree from explosive hazards,where the medium contains no gasesor conduc vedust that are sufficient to corrode metals or damageinsula on.
- It shall be installed in loca onsequipped with rain and snow protec on devicesand free from water vapor satura on.
- It shall be installed in loca onsfree from significant shaking, impact and vibra on.

Structural Features

The starter adoptsa protected enclosure structure. The protec on classis IP55 for models KCQ7-09 to KCQ7-32, and IP20 for models KCQ7-40to KCQ7-95. Internally, it consists of a CJX2sor CJX2-DAC contactor combined with a JR28sthermal overload relay.

The inlet and outlet terminalsof the starter use knockout wiring holes. Userscan selec vely knock out any of the four holesfor wiringasrequired. The cover of the starter isfully detachable from the base, facilita ng easy installa on and maintenance for users. The XB2seriespush buSon switch assemblyisadopted to control the start and stop of the starter, ensuring safe and reliable opera on. To enhance the protec on performance of the starter, it must be installed ver cally. Moun ng screws shall be selected according to the size of the moun ng holesand shall not be smaller than M5. Spring washers, flat washersand sealing rubber ringsshall be addi onally fiSed to achieve firm installa on of the starter. In addi on, corresponding waterproof cable glandsshall be equipped for the knockout wiringholes.

Main Parameters and Technical Performance

- Main Technical Parameters of the Starter (see Table 1)

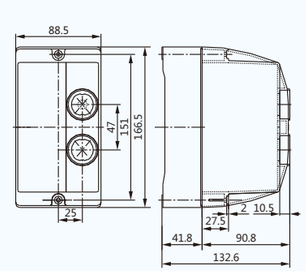
Rated control power supply voltage Us of the coil can be divided into AC 50Hz (or 60Hz) with the following specifications: 36V, 110V, 220V, 380V.

Operating Conditions: The coil pull-in voltage shall be (85%~110%) Us
the coil release voltage shall be (20%~75%) Us

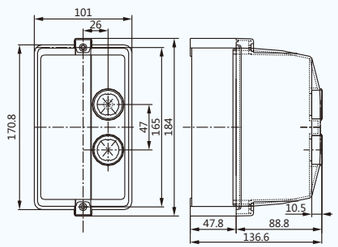
Main Parameters and Technical Performance

Model and Specification	Rated Frame Current Ie(A)	Rated Control Power of Frame Pe(kW) AC-3 660V	AC-3 380V	AC-3 220V	Model of Assembled AC Contactor	Model of Assembled Thermal Overload Relay	Setting Current Range A
KCQ7-09	9	5.5	4	2.2	CJX2-D09/CJX2s-09	JR28-25 JR28s-25	0.1~0.16, 0.16~0.25 0.25~0.4, 0.4~0.63 0.63~1, 1~1.6 1.25~2, 1.6~2.5 2.5~4, 4~6, 5.5~8
KCQ7-12	12	7.5	5.5	3	CJX2-D12/CJX2s-12	JR28-25 JR28s-25	7~10, 9~13
KCQ7-18	18	10	7.5	4	CJX2-D18/CJX2s-18		12~18
KCQ7-25	25	15	11	5.5	CJX2-D25/CJX2s-25		17~25
KCQ7-32	32	18.5	15	7.5	CJX2-D32/CJX2s-32		23~32
KCQ7-40	40	18.5	18.5	11	CJX2-D40/CJX2s-40	JR28-93 JR28s-93	23~32, 30~40 37~50, 48~65 55~70, 63~80 80~93
KCQ7-50	50	37	22	15	CJX2-D50/CJX2s-50		
KCQ7-65	65	37	30	18.5	CJX2-D65/CJX2s-65		
KCQ7-80	80	45	37	22	CJX2-D80/CJX2s-80		
KCQ7-93	93	45	45	25	CJX2-D95/CJX2s-95		

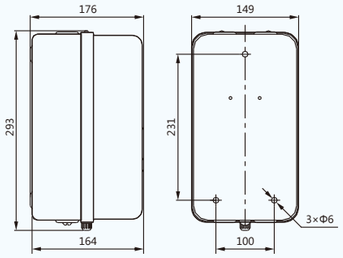
Shapeand installa on dimensions



KCQ7-09~18



KCQ7-25~32



KCQ7-40~93



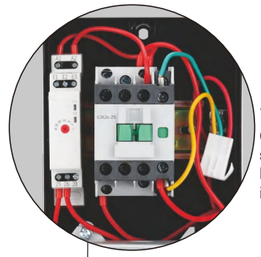
IP55

▶ KCQJ7Series Motor Controller

Three Key Features

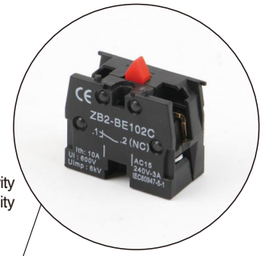
- Protec on Class: IP55
- Highly reliable
- Convenient for maintenance and inspec on

Product Structural Analysis Diagram



Automa cally cut off the circuit

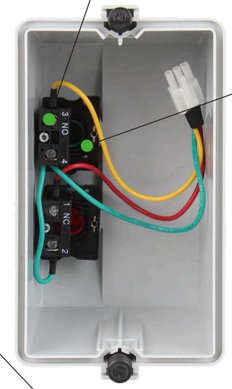
Connect the level switch to automa cally shut off the water pump when the liquid level reaches the preset level; the sensi vity is adjustable according to ambient humidity

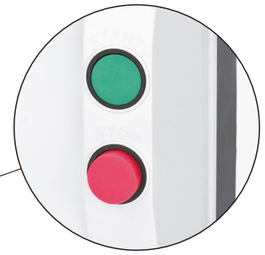


Highly reliable

Silver rivets and hot rive ng process are adopted to ensure more reliable electrical contact







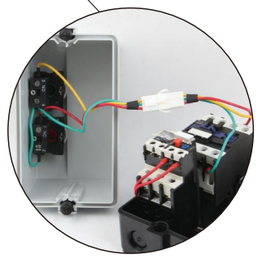
Highly compa ble

Flat-head buSons, raised-head buSons, flat-head illuminated buSons, etc., from the XB2-Eseries are available for selec on.



Provides motor protec on

Feedsback circuit status, provides overload and phase loss protec on, and indicates circuit status via indicator lights



Convenient for maintenance and inspec on

Connector-based wiring is adopted for easier component replacement



Scopeof applica on

The KCQJ7 seriesmotor controller (hereinaUer referred to asthe controller) ismainly usedin circuits with ACfrequency of 50Hz(or 60Hz), rated opera ng voltage of 380V, and rated control power up to 18.5kW (corresponding current of 38A). It isdesigned to directly control the start and stop of water pumpsor motors, provide overload and phasefailure protec on for motors, and realize automa c liquid level control for domes c water towersand reservoirs. Thisproduct isnot suitable for liquid level control of low-conduc vity liquids, suchas petroleum, purified water, flammable and explosive chemical liquids, and high-density sewage.

The version equipped with a liquid level relay isused to control the start and stop aswell as automa c pumping and draining of water pumps, while providing overload and phasefailure protec on. The version without a liquid level relay isdesigned to control the start and stop of motors, with overload and phase loss protec on func ons. Themotorcomprehensive protector of the controller shall be configured before being connected and put into opera on.

Normal Opera ng Condi ons and Installa onCondi ons

- Al tude: The al tude of the installa on loca on shall not exceed2000 m.
- Ambient Temperature: -5℃ ~ +40℃; the averagetemperature within 24 hours shall not exceed +35℃ .
- Atmospheric Condi ons: The maximum rela ve air humidity at the installa on loca on shall not exceed 50%.
- At a temperature of +40℃, the lower the temperature, the higher the rela vehumidity may be. If condensa on occasionally occurs on the product due to temperature varia ons, special measures shall be taken.
- Pollu on Degree: 3
- Installa on Category: II
- It shall be installed in loca onsfree from obvious vibra on or impact.
- It shall be used in non-explosive media free from excessivegasesor dust that may causemetal corrosion or insula onfailure.
- It shall be installed in loca onswith rain and snow protec on; the inclina on rela ve to the ver cal plane shall not exceed 5°.

Main Parameters and Technical Performance

Model and Specification	Rated Frame Current Ie(A)	Rated Control Power of Frame Pe(kW) AC-3 380V	Rated Control Power of Frame Pe(kW) AC-3 220V	Model of Assembled AC Contactor	Model of the Matched Motor Protector	Setting Current Range A	Protector Turns
KCQJ7 0.72A~2.4A	2.4	1.1	0.55	CJX2s-09	JD-8/0.5A~5A	0.72~2.4	5
KCQJ7-W 0.72A~2.4							
KCQJ7 3.5A~11A	12	5.5	3	CJX2s-12	JD-8/2A~20A	3.5~11	1
KCQJ7-W 3.5A~11A							
KCQJ7 10A~16A	16	7.5	4	CJX2s-18	JD-8/2A~20A	10~16	1
KCQJ7-W 10A~16A							
KCQJ7 20A~25A	25	11	5.5	CJX2s-25	JD-8/20A~80A	20~25	1
KCQJ7-W 20A~25A							
KCQJ7-W 30A~38A	38	18.5	9	CJX2s-38	JD-8/20A~80A	30~38	1
KCQJ7-W 30A~38A							

- Rated Control Power Supply Voltage Ue：AC220V, AC380V
- Protec on Class: IP55
- Protec on Characteris csof the Controller：
  PhaseLossProtec on Characteris c: When any phaseof the three-phase main circuit passingthrough the motor comprehensive protector is lost, the motor comprehensive protector shall operate, with an opera ng me ≤ 5s
  Overload Protec on Characteris c of the Controller Under Three-Phase Balanced Load

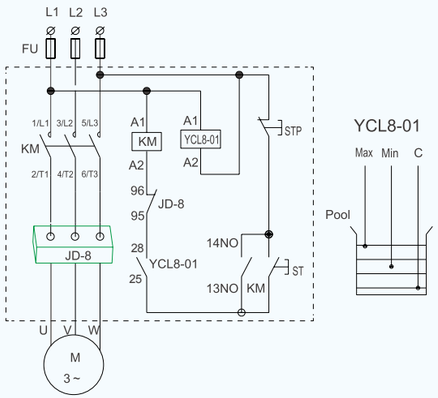
Serial Number	SeXng the Current Mul plier	Opera ng Time			Ini al Condi ons
1	1.05	No opera on within 2 hours			Cold Start
2	1.2	Opera on within 2 hours			Perform aUer Sequence 1
3	1.5	Trip Class	30	≤12min	Start aUer applying 1.0 mesthe set current for 2 hours
4	7.2	Trip Class	30	9s≤Tp≤30s	Cold Start

- Maximum distanceof the liquid level control electrode's down - lead: 200 m
- Moun ng Method: DeviceMoun ng

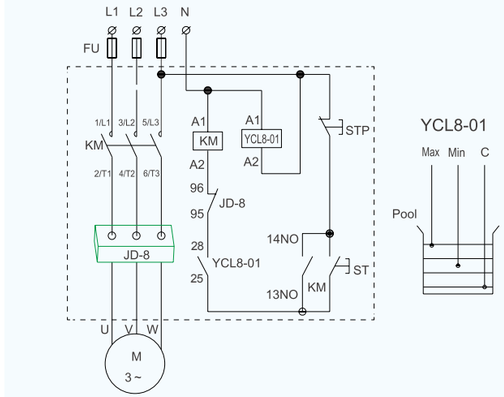
KCQJ7 Series
Motor Controller

Wiring Diagram

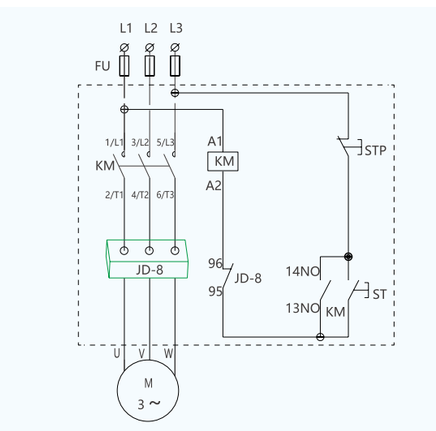
1、Wiring Diagram of KCQJ7-WWhen Both Control Circuit Voltage and Main Circuit Voltage Are AC380V



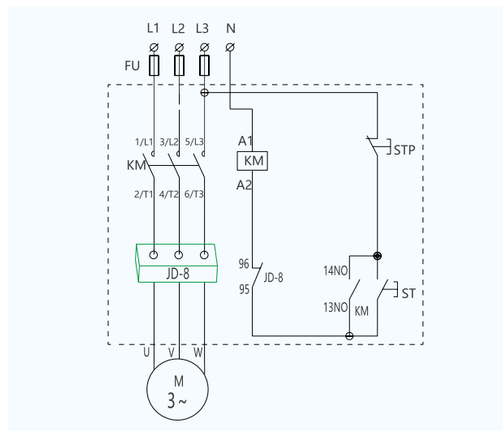
2、Wiring Diagram of KCQJ7-WWhen Main Circuit Voltage Is AC380V and Control Circuit Voltage Is AC220V



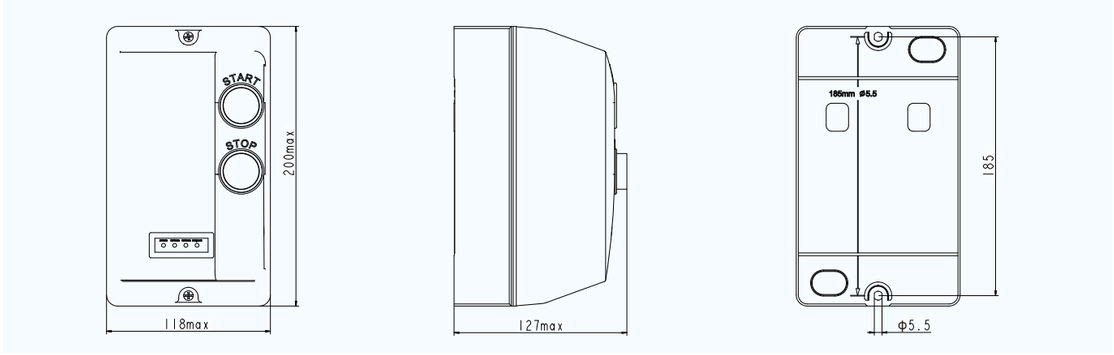
3、Wiring Diagram of KCQJ7When Both Control Circuit Voltage and Main Circuit Voltage Are AC380V

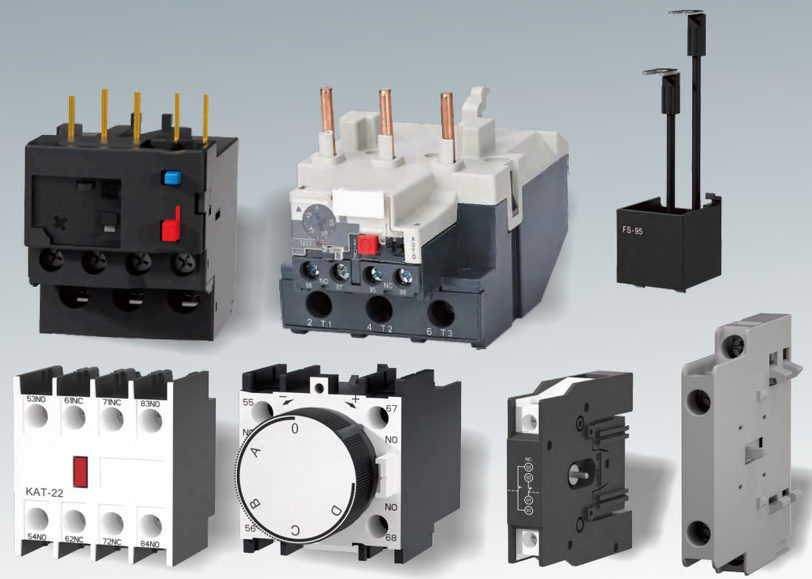


4、Wiring Diagram of KCQJ7When Its Main Circuit Voltage Is AC380V and Control Circuit Voltage Is AC220V



Shapeand installa on dimensions





▶ Accessory Selec on Guide

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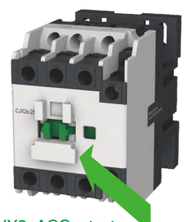
Product Installa on Diagram



FS Surge Suppression Module
Effectively suppress instantaneous high voltage and high-order harmonics, and enhance the anti-burning capability of coils



KASSide - Mounted Auxiliary Contact Block
Auxiliary contactswith one normally open (NO) and one normally closed (NC) can be mounted on both sidesof the contactor.



CJX2sACContactor



KMI interlockingmodule
It isused for the combined assemblyof reversible contactorsto control motor start-stop, braking, and forward-reverse rota on, effec velyavoiding short circuits.



CJX2sACContactor



KTD Pneuma c Time Delay Head
Passive me-delay, economical and reliable, with one normally open (NO) and one normally closed (NC) auxiliary contact to control the delayedclosing and openingof the contactor.



KAT (Four Sets) Top-Mounted Auxiliary Contact Block
Equippedwith four setsof auxiliary contacts, with the quan ty of normally open (NO) and normally closed (NC) auxiliary contacts being op onally configurable.



KAT (Two Sets) Top-Mounted Auxiliary Contact Block
Equippedwith two setsof auxiliary contacts, with the number of normally open (NO) and normally closed (NC) auxiliary contacts being op onally configurable.



KDCDust Cover
Effec velyblocksdust par clesfrom enteringthe interior of the contactor from the front.

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Technical Parameters of Auxiliary Contact Block

Product Appearance	Product Model	NO (Normally Open)	NC(Normally Closed)	Applicable Contactor Model
	KAT-M20	2	0	CJX2s-M06~M16
	KAT-M11	1	1	
	KAT-M02	0	2	
	KAT-M40	4	0	
	KAT-M31	3	1	
	KAT-M22	2	2	
	KAT-M13	1	3	
	KAT-M04	0	4	CJX2s-09~630
	KAT-20	2	0	
	KAT-11	1	1	
	KAT-02	0	2	
	KAT-40	4	0	
	KAT-31	3	1	
	KAT-22	2	2	
	KAT-13	1	3	
	KAT-04	0	4	
	KAS-20	2	0	
	KAS-11	1	1	
	KAS-02	0	2	

Pneumatic Time Delay Head Technical Parameters

Product Appearance	Product Model	Delay Range (s)	Delay Type	Applicable Contactor Model
	KTD-C1	0.1-3	On-delay	CJX2s-09~630
	KTD-C2	0.1-30		
	KTD-C3	10-180		
	KTD-D1	0.1-3	Off-delay	
	KTD-D2	0.1-30		
	KTD-D3	10-180		

Mechanical linkage matching

Product Appearance	Product Model	Matched Contactor Model
	KMI Mechanical Interlock	CJX2s-09~38
	KMI Electrical Interlock	CJX2s-09~95

Dust cover matching

Product Appearance	Product Model	Matched Contactor Model
	KDC-1	CJX2s-09~38
	KDC-2	CJX2s-40~95

Surge Suppression Module Technical Parameters

Product Appearance	Product Model	Coil Voltage Range (V)	Matched Contactor Model
	FS-M	AC/DC 24~48V	CJX2s-M06~M16
	FS-18	AC/DC 100~250V	CJX2s-09~18
	FS-32		CJX2s-25~32
	FS-65	AC/DC 380~440V	CJX2s-40~65
	FS-95		CJX2s-80~95

Accessory Selec on Guide

Technical Parameters of Thermal Overload Relay

Product Appearance	Rated Current (A)	Matched Fuse Rang (A)		Matched Contactor Model
		aM	gG	
 JR28s-25	0.1~0.16	0.25	2	CJX2s-09 CJX2s-12 CJX2s-18 CJX2s-25
	0.16~0.25	0.5	2	
	0.25~0.4	1	2	
	0.4~0.63	1	2	
	0.63~1	2	4	
	1~1.6	2	4	
	1.25~2	4	6	
	1.6~2.5	4	6	
	2.5~4	6	10	
	4~6	8	16	
	5.5~8	12	20	
	7~10	12	20	
	9~13	16	25	
	12~18	20	35	
	17~25	25	50	
 JR28s-36	23~32	40	63	CJX2s-32 CJX2s-38
	28~36	40	80	
 JR28s-93	23~32	40	63	CJX2s-40 CJX2s-50 CJX2s-65 CJX2s-80 CJX2s-95
	30~40	40	100	
	37~50	63	100	
	48~65	63	100	
	55~70	80	125	
	63~80	80	125	
	80~93	100	160	

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Catalog revision notes

Editorial revision: 6 November 2026

This revision corrects table headings and terminology. Original model tables and technical drawings are retained; this catalog is not a certificate.

Model-specific checks before ordering

CJX2s (printed pages 08-09): the overview states 9-95 A, while the detailed table also includes the 110 A model. Use the individual model column and utilization category.

KCC6-M (printed pages 34-35): the original overview conflicts with the model table. The overview now refers to that table. The erroneous extreme-temperature statement has been removed; extended-temperature service requires confirmation.

KCQ7 (printed pages 37-40): do not apply the cover IP55 claim to every frame. The structural description distinguishes IP55 for 09-32 and IP20 for larger frames. The text ends at 95 while the table ends at 93; confirm the exact model and enclosure rating.

KCQJ7 (printed page 44): the 30-38 A model labels repeat KCQJ7-W. Confirm whether liquid-level control is included before ordering; no replacement model designation has been inferred.

FS accessories (printed page 49): voltage bands are listed in a merged cell. Confirm the required voltage and contactor frame together.

Certification marks in this catalog do not establish certification for every model or private-label configuration. Request model-specific documents.

PDF page numbers differ from the printed catalog labels. Bookmarks open the corresponding series section.