

Contactor, Relay, Starter & Frequency Inverter

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CJX2 AC Contactor

General

CJX2 series AC Contactor is suitable for using in the circuits of rated voltage up to 660V AC 50Hz or 60Hz, rated current up to 95A, for making, breaking, frequently starting & controlling the AC motor. Combined with the auxiliary contact block, timer delay & machine-interlocking device etc, it becomes the delay contactor, mechanical interlocking contactor, star-delta starter. With the thermal relay, it is combined into the electromagnetic starter. The Contactor is produced according to IEC 60947-4.

Coil voltage of contactor and code

Coil voltage Us(V)	24	36	42	48	110	220	230	240	380	400	415	440	600
50Hz	B5	C5	D5	E5	F5	M5	P5	U5	Q5	V5	N5	R5	X5
60Hz	B6	C6	D6	E6	F6	M6	P6	U6	Q6	V6	N6	R6	X6
50/60Hz	B7	C7	D7	E7	F7	M7	P7	U7	Q7	V7	N7	R7	X7

Type designation

Name	Rated current	Auxiliary contact	Pole number	Coil voltage	Frequency
CJX2				*	.

Rated current (A)	Auxiliary contact		Type
	Normal open (NO)	Normal close (NC)	
9	1	-	CJX2-0910*.
	-	1	CJX2-0901*.
12	1	-	CJX2-1210*.
	-	1	CJX2-1201*.
18	1	-	CJX2-1810*.
	-	1	CJX2-1801*.
25	1	-	CJX2-2510*.
	-	1	CJX2-2501*.
32	1	-	CJX2-3210*.
	-	1	CJX2-3201*.
40	1	1	CJX2-4011*.
50	1	1	CJX2-5011*.
65	1	1	CJX2-6511*.
80	1	1	CJX2-8011*.
95	1	1	CJX2-9511*.

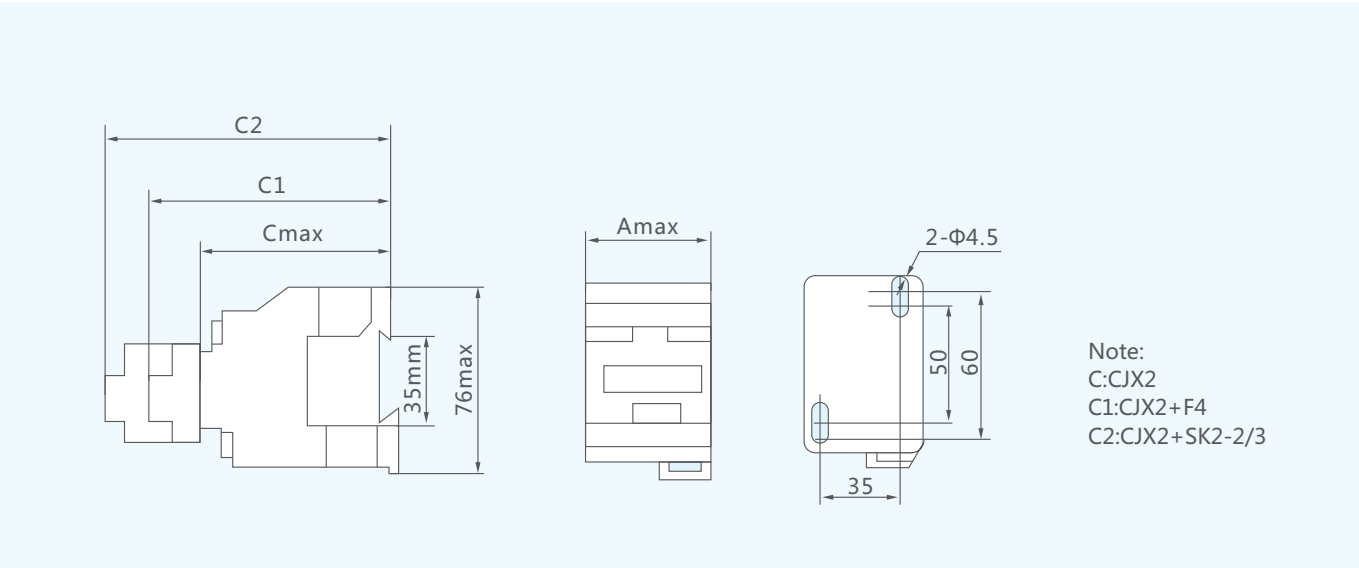
Specifications

Type			CJX2-09	CJX2-12	CJX2-18	CJX2-25	CJX2-32	CJX2-40	CJX2-50	CJX2-65	CJX2-80	CJX2-95
Rated insulation voltage (Ui)		V	690									
Rated thermal current (Ith)		A	20	20	32	40	50	60	80	80	95	95
Rated operation current (Ie)	AC-3, 380V	A	9	12	18	25	32	40	50	65	80	95
	AC-3, 660V	A	6.6	8.9	12	18	21	34	39	42	49	55
	AC-4, 380V	A	3.5	5	7.7	8.5	12	18.5	24	28	37	41
	AC-4, 660V	A	1.5	2	3.8	4.4	7.5	9	12	14	17.3	21.3
Max. power of 3 phase motor controlled	AC-3, 220V	kW	2.2	3	4	5.5	7.5	11	15	18.5	22	25
	AC-3, 380V	kW	4	5.5	7.5	11	15	18.5	22	30	37	45
	AC-3, 660V	kW	5.5	7.5	10	15	18.5	30	33	37	45	55
Electrical life	AC-3	10000 t	100				80	80			60	
	AC-4	10000 t	20				20	15			10	
Mechanical life		10000 t	1000				800	800			600	
Operation frequency	AC-3	t/h	1200				600	600			600	
	AC-4	t/h	300				300	300			300	
Matching fuse type			RT16-20	RT16-20	RT16-32	RT16-40	RT16-50	RT16-63	RT16-80	RT16-80	RT16-100	RT16-125
Matching thermal relay type			JR28-25	JR28-25	JR28-25	JR28-25	JR28-36	JR28-93	JR28-93	JR28-93	JR28-93	JR28-93
Wiring capacity		mm ²	1.5	1.5	2.5	4	6	10	16	16	25	35
Coil												
Control power voltage (Us)	AC	V	36, 110, 127, 220, 380									
Allowed control circuit voltage	Close	V	85%~110%Us									
	Open	V	20%~75%Us(AC)									
	Close	VA	70			110		200				
	Keeping	VA	8			11		20				
	Loss power	W	1.8~2.7			3~4		6~10				
Auxiliary contact												
Rated thermal current (Ith)		A	10									
Rated operation voltage (Ue)	AC-15	V	380									
	DC-13	V	220									
Rated control capacity	AC-15	VA	360									
	DC-13	W	33									

Note:3 pole is normal type,not remarked in the type name.

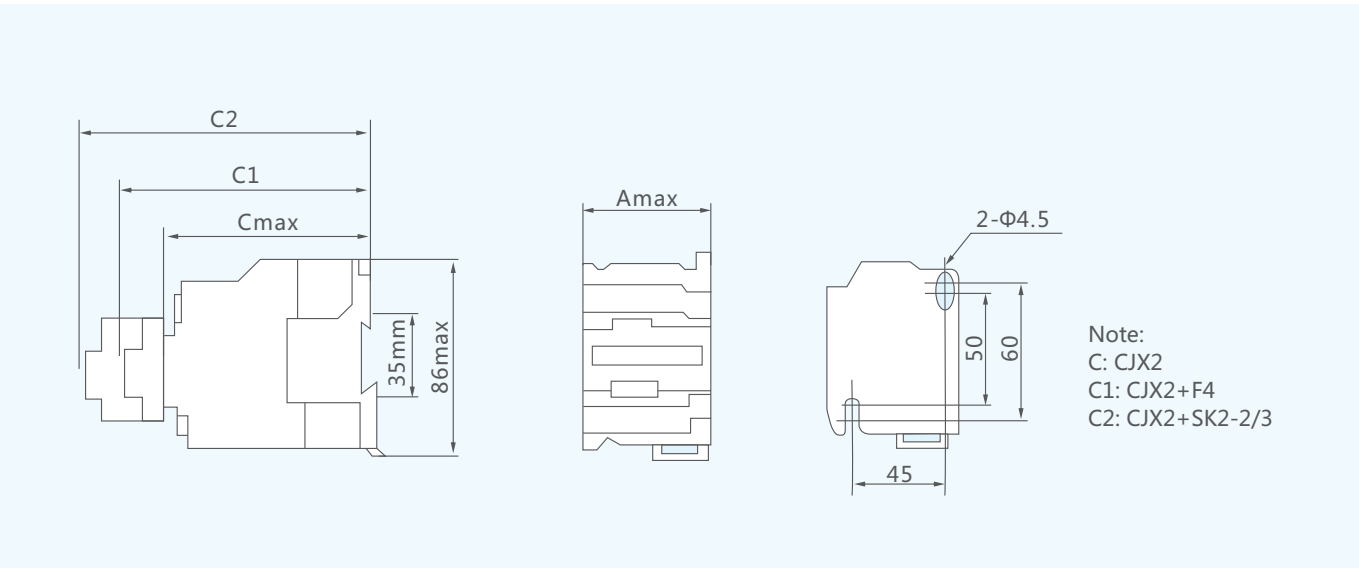
Overall and mounting dimensions(mm)

Pic.1 CJX2-09,12,18



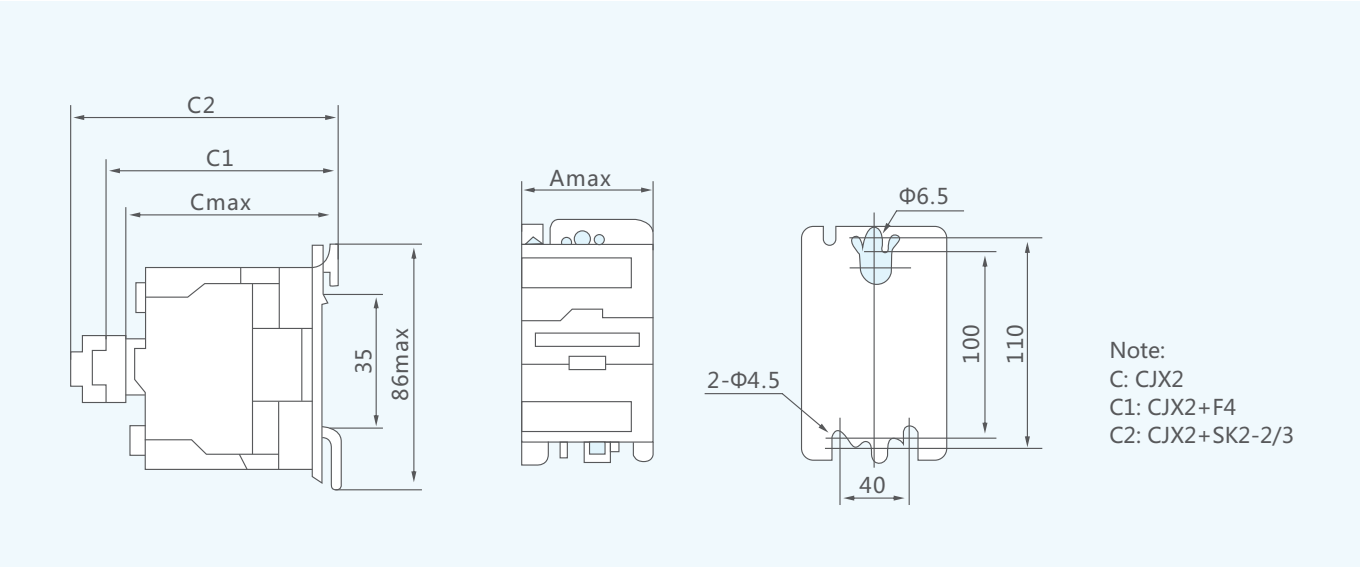
Unit: mm				
Type	Amax	Cmax	C1	C2
CJX2-09,12	47	82	115	134
CJX2-18	47	87	120	139

Pic. 2 CJX2-25,32



Unit: mm				
Type	Amax	Cmax	C1	C2
CJX2-25	59	97	130	149
CJX2-32	59	102	135	154

Pic. 3 CJX2-40~95



Unit: mm				
Type	Amax	Cmax	C1	C2
CJX2-40,50,65	79	116	149	168
CJX2-80,95	87	127	160	179

Specifications

Ambient temperature	-5°C~+40°C
Altitude	≤2000m
Relative humidity	The maximum temperature of 40 degrees, the air relative humidity not exceed 50%, at a lower temperature can allow for a higher relative humidity, if humidity changes as a result of occasional gel generated,should eliminate it.
Pollution level	3
Installation category	III
Installation position	The installation degree of the tilt and vertical plane should not exceed ±22.5°, should be installed in place with no significant impact shaking and vibration
Installation	The installation of fastening screws can be used,the CJX1-9~38 contactor can also be installed on 35mm standard DIN rail.

LA1-D, LA2-D, LA3-D Contact Block

Type	Product	Configuration of contacts	
		Number of N/O contact	Number of N/C contact
LA1-DN20 LA1-DN11 LA1-DN02		2 1 0	0 1 2
LA1-DN40 LA1-DN31 LA1-DN22 LA1-DN13 LA1-DN04		4 3 2 1 0	0 1 2 3 4
Type		Time-delay range	Number of time-delay contacts
LA2-DT0 LA2-DT2 LA2-DT4		0.1s~3s 0.1s~30s 10s~180s	NO+NC NO+NC NO+NC
LA3-DR0 LA3-DR2 LA3-DR4		0.1s~3s 0.1s~30s 10s~180s	NO+NC NO+NC NO+NC

LX1-D Coil

Type	Product	Coil voltage Us(V) Frequency (Hz)	24	36	42	48	110	127	220	230	240	380	400	415	440	600
LX1-D2		50Hz	B5	C5	D5	E5	F5	G5	M5	P5	U5	Q5	V5	N5	R5	X5
LX1-D4		60Hz	B6	C6	D6	E6	F6	G6	M6	P6	U6	Q6	V6	N6	R6	X6
LX1-D6		50/60Hz	B7	C7	D7	E7	F7	G7	M7	P7	U7	Q7	V7	N7	R7	X7

Derived Products When The Contactor is Assembled With Following Accessory Module

Derived products	Contactor	Accessorial modular	Picture
Time-delay contactor			
Reversing contactor			
Magnetic starter			
Changeover capacitor AC contactor			
Star-delta contactor			

Application

CJX2N series AC contactor is suitable for frequency 50/60Hz, rated insulation voltage up to 1000V, rated operation current 9~150A under AC~3 duty. It is mainly used for making/breaking electric circuits at a long distance & for frequent starting/stopping & controlling AC Motors. It is used in combination with thermal relay to compose a magnetic motor starter. The products comply with IEC60947-4-1 standard.

Specification

Type	CJX2N -09	CJX2N -12	CJX2N -18	CJX2N -25	CJX2N -32	CJX2N -38
Rated working current Ie (A) AC-3 Ue≤440V	9	12	18	25	32	38
Rated heat current Ith (A)	25	25	32	40	50	50
Rated insulation voltage Ui (V)	690	690	690	690	690	690
Rated operating voltage Ue (V) Max	690	690	690	690	690	690
Rated operational power in AC-3 Pe(kW)	220/230V	2.2	3	4	5.5	7.5
	380/400V	4	5.5	7.5	11	15
	415/440V	4	5.5	9	11	15
	500V	5.5	7.5	10	15	18.5
	660/690V	5.5	7.5	10	15	18.5
	660/690V	5.5	7.5	10	15	18.5
Rated operational power in AC-4 Pe(kW)	220/230V	1.5	1.5	2.2	3	4
	380/400V	2.2	3.7	4	5.5	7.5
	415/440V	2.2	3	3.7	5.5	7.5
	500V	3	4	5.5	7.5	9
	660/690V	4	5.5	7.5	10	11
	660/690V	4	5.5	7.5	10	11
Frequency of operation (I/h)	1200	1200	1200	1200	1000	1000
Electrical endurance (x10 ⁴)	AC-3	100	100	100	100	80
	AC-4	20	20	20	20	20
Mechanical endurance (x10 ⁶)	15	15	15	15	15	15
Operating voltage range of coil	Close voltage: (0.85~1.1)Us Open voltage: (20%~75%)Us					
Power consumption of coil (VA)	Atracting	7	7	7	7	7
	Starting	70	70	70	70	70
Rated insulation voltage of auxiliary contacts (V)	690	690	690	690	690	690
Conventional thermal current of auxiliary contacts (A)	10	10	10	10	10	10
Auxiliary contacts specification	AC-15:360VA			DC-13:33W		

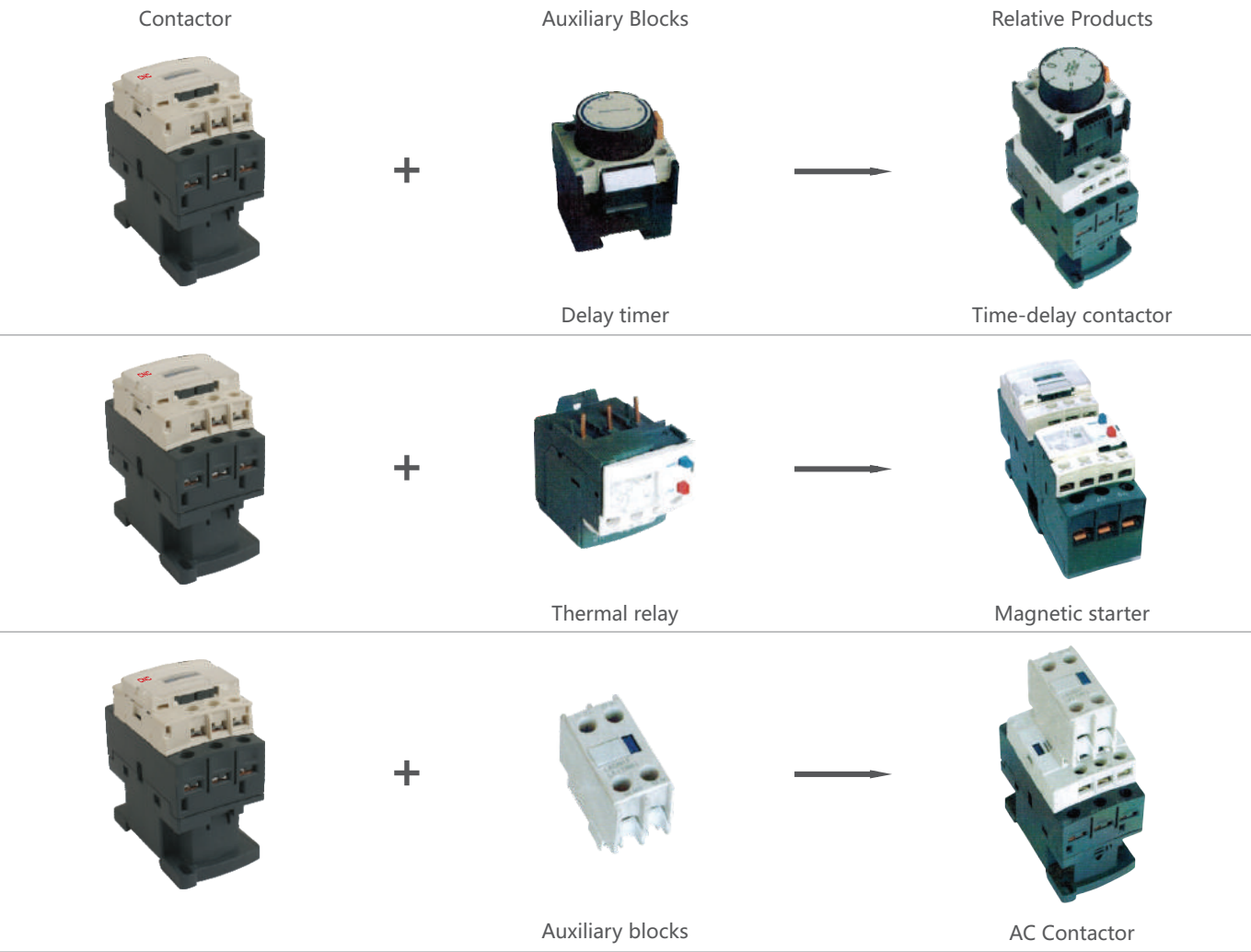
Type	CJX2N -40	CJX2N -50	CJX2N -65	CJX2N -80	CJX2N -95
Rated working current Ie (A) AC-3 Ue≤440V	40	50	65	80	95
Rated heat current Ith (A)	60	80	80	125	125
Rated insulation voltage Ui (V)	1000	1000	1000	1000	1000
Rated operating voltage Ue (V) Max	1000	1000	1000	1000	1000
Rated operational power in AC-3 Pe(kW)	220/230V	11	15	18.5	22
	380/400V	18.5	22	30	37
	415/440V	22	25/30	37	45
	500V	22	30	37	55
	660/690V	30	33	37	45
Rated operational power in AC-4 Pe(kW)	220/230V	4	5.5	7.5	9
	380/400V	9	11	11	15
	415/440V	9/11	11	11/15	15
	500V	11	15	18.5	22
	660/690V	15	18.5	22	25
Frequency of operation (I/h)	1000	1000	1000	750	750
Electrical endurance (x10 ⁴)	AC-3	80	60	60	60
	AC-4	15	15	15	10
Mechanical endurance (x10 ⁶)	6	6	6	4	4
Operating voltage range of coil	Close voltage: (0.85~1.1)Us Open voltage: (20%~75%)Us				
Power consumption of coil (VA)	Atracting	20	20	20	20
	Starting	200	200	200	200
Rated insulation voltage of auxiliary contacts (V)	690	690	690	690	690
Conventional thermal current of auxiliary contacts (A)	10	10	10	10	10
Auxiliary contacts specification	AC-15:360VA			DC-13:33W	

Standard Control Circuit Voltage

Volts	24	42	48	110	220	230	240	380	400	415	440	500	660
50Hz	B5	D5	E5	F5	M5	P5	U5	Q5	V5	N5	R5	S5	Y5
60Hz	B6	D6	E6	F6	M6	-	U6	Q6	-	-	R6		
50/60Hz	B7	D7	E7	F7	M7	P7	U7	Q7	V7	N7	R7		

Characteristic

Contactor and other auxiliary blocks





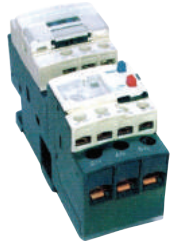
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Thermal relay



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Magnetic starter





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Auxiliary blocks

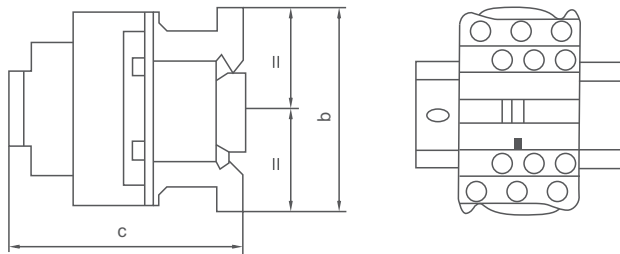


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AC Contactor



Outline and Mounting Dimension



Standard Control Circuit Voltage

	09	12	18	25	32	38	40	50	65	80	95	115	150
b	76.6	76.6	76.6	76.6	76.6	76.6	127	127	127	127	127	158	158
c	87	87	87	94	94	94	116	116	116	123.8	123.8	132	132

CJX2-F AC Contactor

General

CJX2-F series AC Contactor is applied to the circuit rated voltage up to 1000V AC. 50/60Hz, rated current up to 780A, for long distance breaking circuit and frequently starting or controlling the motor. It also can be used for the control of distributing circuits of rated current from 200A to 1600A(AC-1)/115A to 780A(AC-3).The products comply with IEC60947-4.

Type designation

Name	Rated current	Auxiliary contact	Pole number	Coil voltage	Frequency
CJX2-F				*	.



Rated current (A)	Auxiliary contact		Type
	Normal open (NO)	Normal close (NC)	
115	-	-	CJX2-F11500*.
150	-	-	CJX2-F15000*.
185	-	-	CJX2-F18500*.
225	-	-	CJX2-F22500*.
265	-	-	CJX2-F26500*.
330	-	-	CJX2-F33000*.
400	-	-	CJX2-F40000*.
500	-	-	CJX2-F50000*.
630	-	-	CJX2-F63000*.

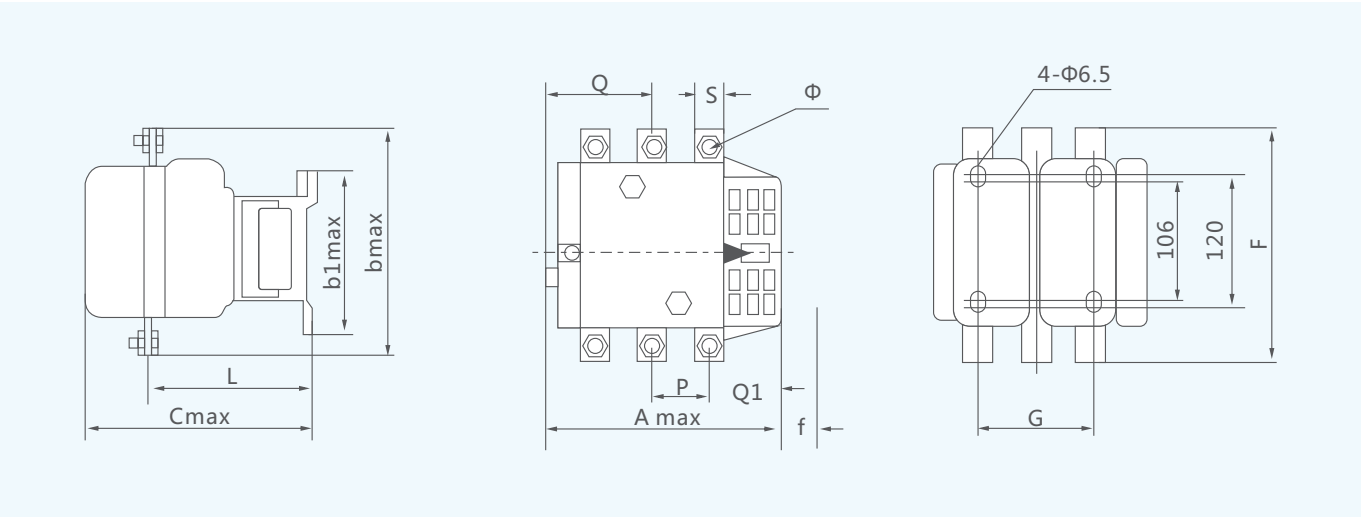
Note:3 pole is normal type,not remarked in the type name.

Specifications

Type			CJX2-F 115	CJX2-F 150	CJX2-F 185	CJX2-F 225	CJX2-F 265	CJX2-F 330	CJX2-F 400	CJX2-F 500	CJX2-F 630
Poles			3P, 4P								
Rated insulation voltage (Ui)		V	1000								
Rated thermal current (Ith)		A	200	200	275	275	315	380	450	630	800
Rated operation current (Ie)	AC-3, 380V	A	115	150	185	225	265	330	400	500	630
	AC-3, 660V	A	86	108	118	137	170	235	303	353	462
	AC-3, 1000V	A	46	50	71	90	112	155	200	232	311
	AC-4, 660V	A	86	108	118	137	170	235	303	353	462
Max. power of 3 phase motor controlled	AC-3, 380V	kW	55	75	90	110	132	160	200	250	335
	AC-3, 660V	kW	80	100	110	129	160	220	280	335	450
Electrical life	AC-3	10000 t	120		100		80				
Mechanical life		10000 t	1000		600						
Operation frequency	AC-3	t/h	1200		600						
Matching fuse type			RT16-160	RT16-200	RT16-250	RT16-315	RT16-400	RT16-400	RT16-500	RT16-630	RT16-800
Matching thermal relay type			LR9-F53							LR9-F73	
Wiring capacity		mm ²	50	50	95	95	150	185	30×5(2)	40×5(2)	50×5(2)
Coil											
Control power voltage (Us)	AC	V	24, 36, 48, 110, 127, 240, 380, 440								
Allowed control circuit voltage	Close	V	85%~110%Us								
	Open	V	20%~75%Us(AC)								
Coil power	Close	VA	550		800		1200		1200	1250	1650
	Keeping	VA	45		55		13		20	24	22
	Loss power	W	12~16		18~24		12		14	18	20
Auxiliary contact											
Rated thermal current (Ith)		A	10								
Rated operation voltage (Ue)	AC	V	380								
	DC	V	220								
Rated control capacity	AC-15	VA	360								
	DC-13	W	33								

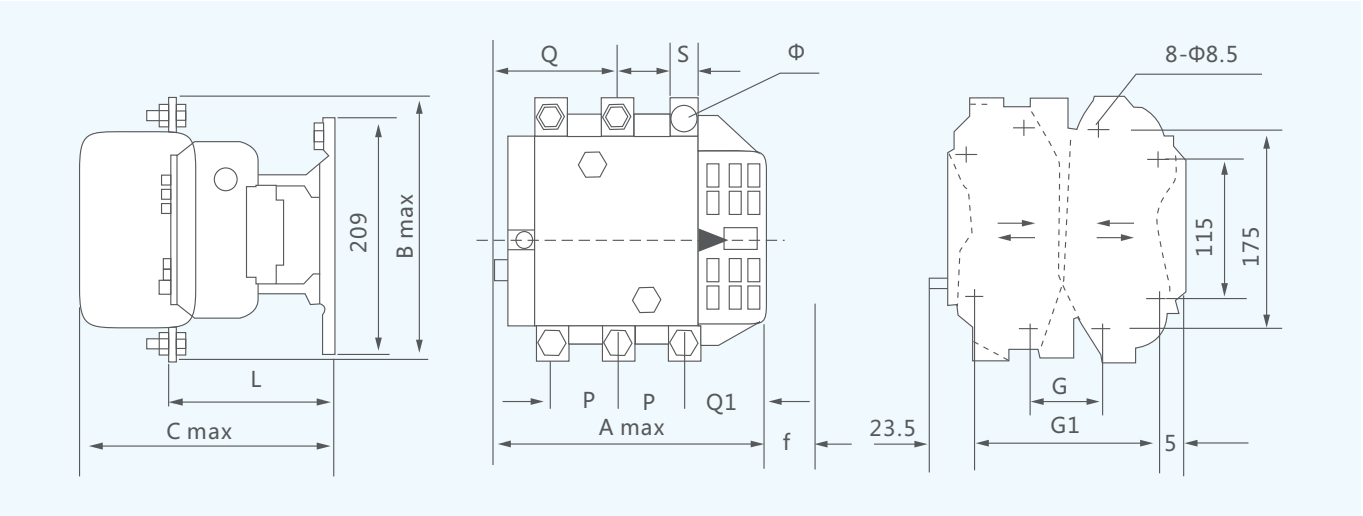
Overall and mounting dimensions(mm)

CJX2-F115-F330 figure and installation dimension



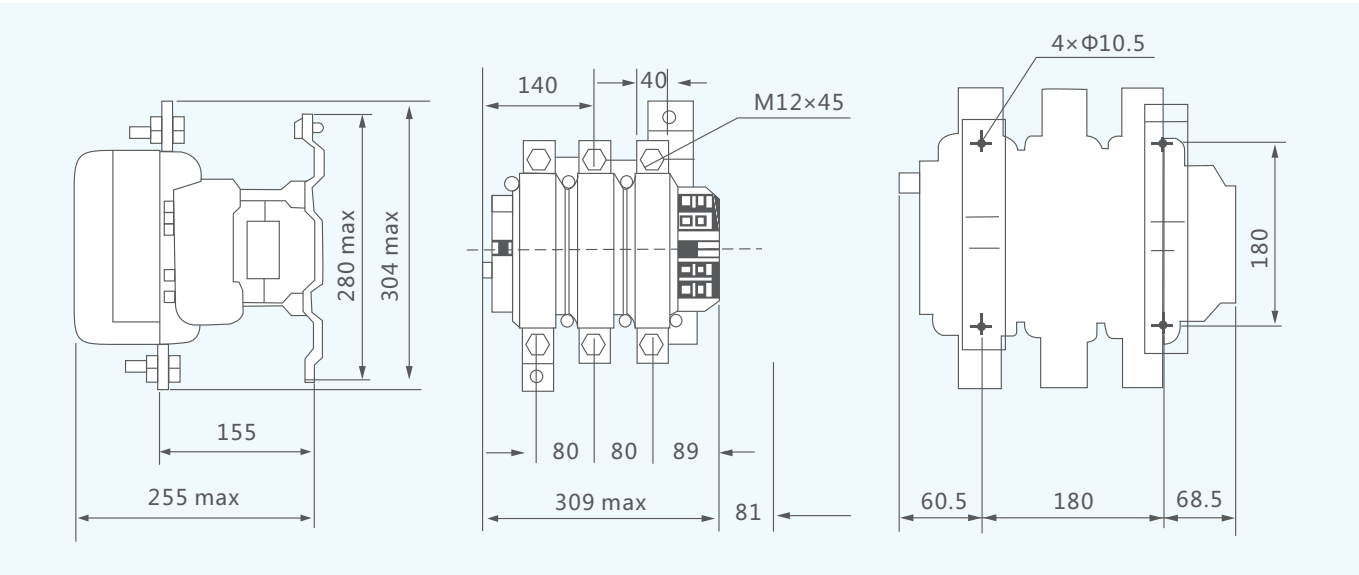
Type	Amax	bmax	b1max	Cmax	G	L	Q	Q1	S	Φ	F	P
CJX2-F115	165	164	137	167	80±0.8	108	29.5	60	15	M6×15	133	37
CJX2-F150	165	172	137	167	80±0.8	108	29.5	57.5	20	M6×20	133	40
CJX2-F185	171	176	137	181	80±0.8	114	30	60	20	M6×20	133	40
CJX2-F225	171	199	137	181	80±0.8	114	22	52	25	M6×30	133	48
CJX2-F265	204	205	145	210	96±1.1	143	39	66.5	25	M10×30	147	48
CJX2-F330	209	209	145	216	96±1.1	148	36	74	25	M10×30	147	48

CJX2-F400,F500 figure and installation dimension



Type	Amax	Bmax	Cmax	f	k	S	L	P	Q	Q1	Gmax	G	Gmax	G1	G1min
CJX2-F400	213	206	213	119	70	25	145	48	43	74	102	80	192	170	156
CJX2-F500	233	238	226	141	70	30	146	55	46	77	120	80	210	170	156

CJX2-F630 figure and installation dimension



Specifications

Ambient temperature	-5°C~+40°C
Altitude	≤2000m
Relative humidity	The maximum temperature of 40 degrees, the air relative humidity not exceed 50%, at a lower temperature can allow for a higher relative humidity, if humidity changes as a result of occasional gel generated,should eliminate it.
Pollution level	3
Installation category	III
Installation position	The installation degree of the tilt and vertical plane should not exceed ±22.5°, should be installed in place with no significant impact shaking and vibration
Installation	The installation of fastening screws can be used,the CJX1-9~38 contactor can also be installed on 35mm standard DIN rail.

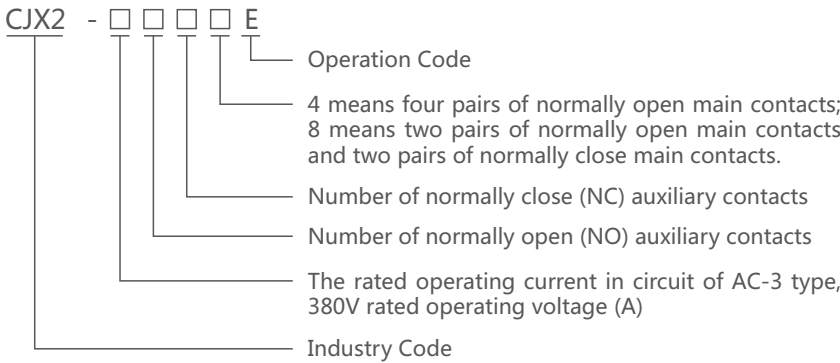
LX1-F Coil

Type	Product	Contactor type	Control power voltage(V)	Coil type(3P)	Coil type(4P)
		CJX2-F115,F150	48, 110, 220 380, 440, 660	LX1-F1153	LX1-F1154
		CJX2-F185,F225		LX1-F1853	LX1-F1854
		CJX2-F265,F330		LX1-F2653	LX1-F2654
		CJX2-F400		LX1-F4003	LX1-F4004
		CJX2-F500		LX1-F5003	LX1-F5004
		CJX2-F630		LX1-F6303	LX1-F6304

Scope of application

CJX2-E series AC Contactor (contactor for short), is mainly used in circuit of AC 50Hz or 60Hz, rated voltage to 660v and below, DC voltage to 220v and below, or in circuit of AC-3 type, 380V operating voltage, rated current to 9A.

Type and meaning



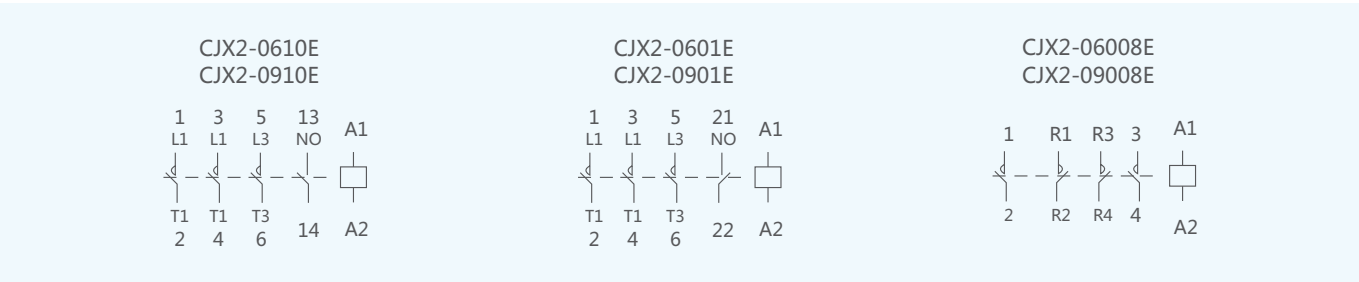
Normal working and installation conditions

- 1、Ambient temperature:-5°C~+40°C,the average temperature is no more than +35°C within 24 hours;
- 2、Altitude: ≤2000m;
- 3、Atmosphere conditions: when the temperature is +40°C,the relative atmosphere humidity is no more than 50%,it can be high in low temperature, the average minimum temperature in the wettest month is no more than +25°C and the average maximum temperature is no more than 90%.The rime that are variable with the temperature change on the products should be taken into consideration;
- 4、Pollution degree: Grade 3.
- 5、Installation type: III type.
- 6、Installation condition: the gradient between installation surface and vertical surface is more than ±5°;
- 7、Impact vibration: The products must be installed and in the place with no obvious shake, impact and vibrate.

Structure feature

- 1、The products are assembled in plastic clips, which can make full use of the elasticity of the plastic. This is no need for screw and special tools for dismounting, serving the purpose of labor-saving, time-saving and material-saving.
- 2、The products are direct-acting moving structure. The counter-force elasticity is pagoda-shaped. Its acting characteristic is reliable. Mechanism is flexible. The product is compact-designed. All of the features make it inaccessible to the clutter and dust. The moving part of the terminal has shroud, making it impossible for people to touch the field with electricity and safe to use. The product is complying with the electric standards. The product is mini in dimension. It is stalled in the standard 35mm DIN with screw-fixed or clip-fastened, making it easy to dismount in a short time.
- 3、The contacts are all double-breaking bridging ones. They are made of silver-base alloy which are superior in function, wear-resisting and long-lived. The arching chamber is sealed and made of anti-flaming material, preventing the arcing splashing outside and protecting human and adjacent electric equipment' s safety.
- 4、Magnetic system for this product is the reliable E-shaped iron core with low loss, low noise and high mechanical strength. Coil terminal A1, A2, voltage specifications are expressed clearly, which makes wiring easier.
- 5、Auxiliary contacts with modulus, building-block structure could be assembled flexibly to use.

Contactor, Auxiliary contact group, signs and wiring diagrams

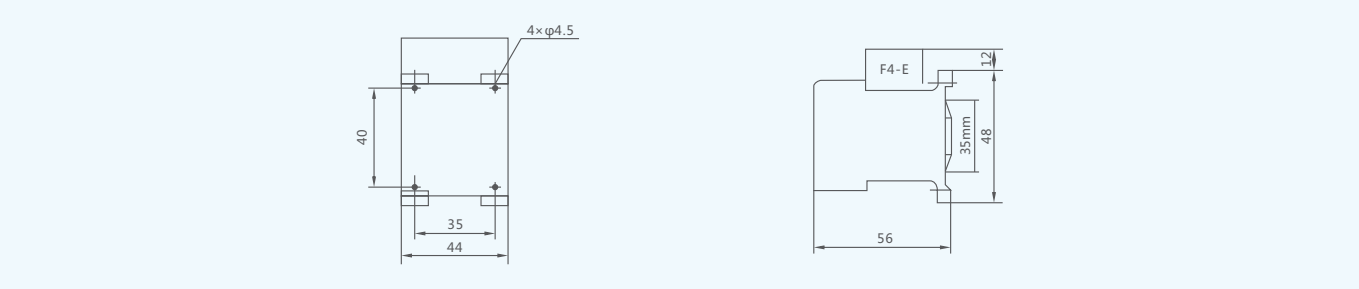


Technical Specifications

- 1、The main technical performance index of CJX2-E (see Chart 1 and Chart 2)
- 2、Coil voltage: AC 24V, 36V, 48V, 110V, 220V, 380V,
- 3、Allowed control circuit voltage: Close: 85~110%Us, Open: 20~75%Us

Specification		Type	CJX2-06E		CJX2-09E
Rated operation voltage (Ue)				660(690)	
Rated operation current (A)	380V	AC-3	6		9
		AC-4	2.6		3.5
Conventional thermal current (A)			16		16
Maximum operation current (A)	380V		60		90
	660V		72		108
Maximum disconnect current (A)	380V		48		72
	660V		60		90
Controlled three-phase squirrel cage motor power AC3(KW)	220V		1.5		2.2
	380V		2.2		4
	660V		3		5.5
Operation frequency /h	Electrical life(t)	AC-3		1200	
		AC-4		300	
Electrical life(t)	AC-3			100	
	AC-4			20	
Machinery life	10 thousand times			1000	
AC coil power consumption (W)				2	
Conductor cross-section (mm²)				1.5	
Matching fuse type				NT00-16	
Standard				IEC60947-4、GB-14048.4	

Size and installation dimensions

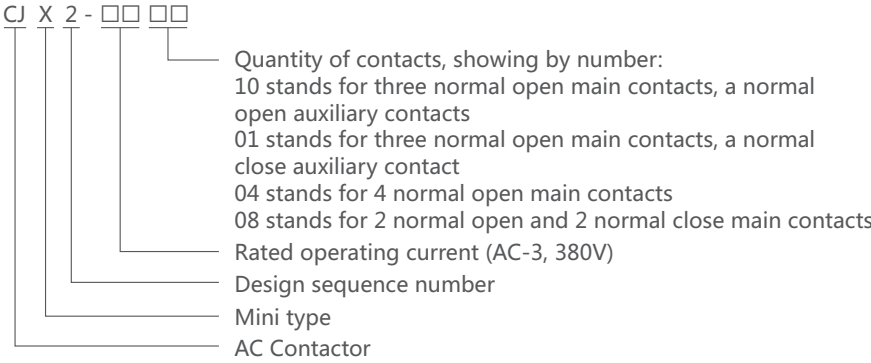


CJX2-K AC Contactor

General

CJX2-K series AC Contactor is suitable for using in the circuits the rated voltage up to 660V AC 50Hz or 60Hz, rated current up to 12A in AC-3 using category , for making & breaking, frequently starting & controlling the AC motor. Combine with the auxiliary contact block, timer delay & machine- interlocking device etc, it becomes the delay contactor,mechanical interlocking contactor, star-delta starter. With the thermal relay, it is combined into the electromagnetic starter. The contactor is produced according to IEC 60947-4.

Type designation



Specifications

Type			CJX2-K06	CJX2-K09	CJX2-K12
Rated operation voltage (Ue)		V	660	660	660
Rated thermal current (Ith)		A	20	20	20
Rated operation current (Ie)	AC-3, 380V	A	6	9	12
	AC-3, 660V	A	2.6	3.5	5
Max. power of 3 phase motor controlled	AC-3, 220V	kW	1.5	2.2	3
	AC-3, 380V	kW	2.2	4	5.5
	AC-3, 660V	kW	3	5.5	7.5
Electrical life	AC-3	10000 t	100		
	AC-4	10000 t	20		
Mechanical life		10000 t	1000		
Operation frequency	AC-3	t/h	1200		
	AC-4	t/h	300		
Matching fuse type			NT00-16		
Wiring capacity		mm²	1.5		
Coil					
Control power voltage (Us)		V	24, 36, 48, 110, 220, 380		
Allowed control	Close	V	85%~110%Us		
	Open	V	20%~75%Us(AC)		
Coil power		W	2		



YCCH6-25/40
(Automatic style)



YCCH6-63/40
(Automatic style)



YCCH7-63/20
(Manual style)



YCCH7-63/40
(Manual style)

General

- YCCH6/YCCH7 series AC contactor (hereinafter referred to as the household appliances control a contactor) is used for remote switch on and off without a sense of feeling or low load, resistance furnace, household appliances and similar low load, motor and other household.
- The main contactor is used in AC 50Hz/60Hz, rated voltage to 400V, rated current of power system to 100A, AC-1, AC-7a (in no sense or sense of low load, resistance furnace, household appliances and similar low load) categories, long distance switch and control circuit.
- Contactors are not used for breaking short circuit current, so it is necessary to choose suitable short circuit protection electrical equipment.

Specifications

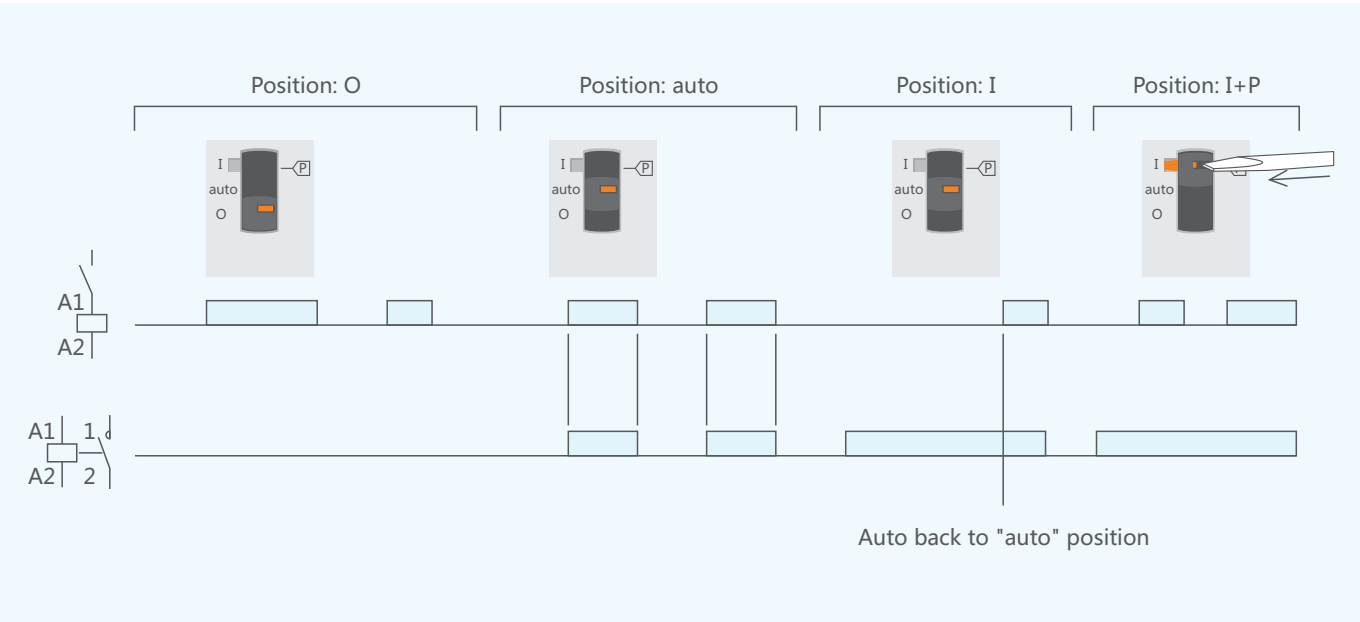
Automatic							
Rating current In	AC-7a	16A	20A	25A	40A	63A	100A
	AC-7b	6A	7A	8.5A	15A	20A	—
Width		18mm			36mm		
Control voltage		24V, 110V, 230V			24V, 110V, 230V		24V, 110V, 230V
Contact		2NO, 2NC, 1NO, 1NC, 1NO+1NC					2NO

Automatic							
Rating current In	AC-7a	16A	20A	25A	40A	63A	100A
	AC-7b	6A	7A	8.5A	15A	20A	—
Width		36mm			54mm		108mm
Control voltage		24V, 110V, 230V			24V, 110V, 230V		24V, 110V, 230V
Contact		4NO, 4NC, 3NO, 3NC, 3NO+1NC, 2NO+2NC					4NO

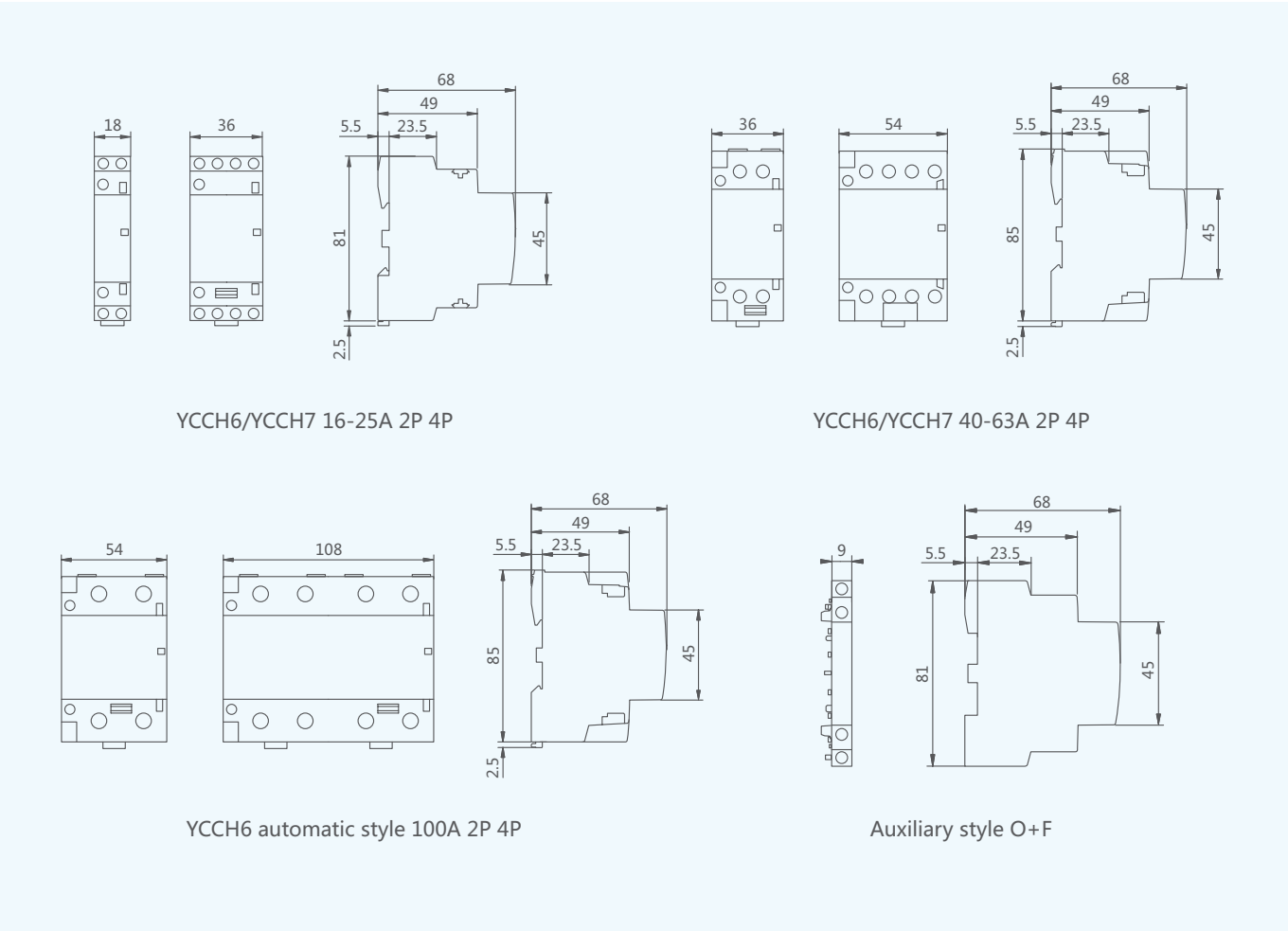
Manual						
Rating current In	AC-7a	16A	20A	25A	40A	63A
	AC-7b	6A	7A	8.5A	15A	20A
Width		18mm			36mm	
Control voltage		24V, 110V, 230V			24V, 110V, 230V	
Contact		2NO, 2NC, 1NO, 1NC, 1NO+1NC				

Manual						
Rating current In	AC-7a	16A	20A	25A	40A	63A
	AC-7b	6A	7A	8.5A	15A	20A
Width		36mm			54mm	
Control voltage		24V, 110V, 230V			24V, 110V, 230V	
Contact		2NO, 2NC, 1NO, 1NC, 1NO+1NC				

Operation (Manual Operation Contactor)



Dimensions (mm)





CJX2-09~32Z



CJX2-40~95Z

Application

CJX2-Z series DC operated contactor is suitable for use in the circuits up to rated voltage 660V DC 50Hz or 60Hz, and in rated current 9-95A in DC-3/380V load circuits. For remote controlling circuit making, breaking and frequent starting DC motors. It can also combine with the auxiliary contact group, air delayer, thermal relay devices etc.

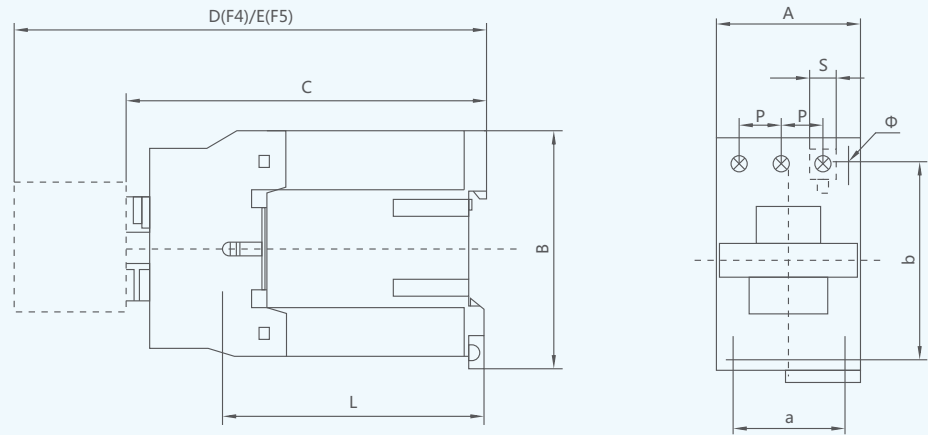
Specifications

Type			CJX2-09Z	CJX2-12Z	CJX2-18Z	CJX2-25Z	CJX2-32Z
Rated working current(A)	380V	AC3	9	12	18	25	32
		AC4	3.5	5	7.7	8.5	12
	660V	AC3	6.6	8.9	12	18	21
		AC4	1.5	2	3.8	4.4	7.5
Rated heat current(A)			25	25	32	40	50
Controllable power (kW)	220/240V		2.2	3	4	5.5	7.5
	380/400V		4	5.5	7.5	11	15
	415V		4	5.5	9	11	15
	500V		5.5	7.5	10	15	18.5
	600/690V		5.58	7.5	10	15	18.5
Pole			3,4	3,4	3	3,4	3
Rated working voltage(V)			380,660	380,660	380,660	380,660	380,660
Rated insulation voltage(V)			660	660	660	660	660
Mechanical life×10 ⁴			1000	1000	1000	1000	1000
Electrical life	AC×10 ⁴		100	100	100	100	100
	AC4×10 ⁴		20	20	20	20	20
Operating frequency	Electrical life	AC×10 ⁴	1200	1200	1200	1200	1200
		AC4×10 ⁴	300	300	300	300	300
	Mechanical life×10 ⁴		3600	3600	3600	3600	3600
Rated controlled voltage(V)			24-660	24-660	24-660	24-660	24-660
Working voltage	Close	DC%	0.85~1.1Us	0.85~1.1Us	0.85~1.1Us	0.85~1.1Us	0.85~1.1Us
	Open	DC%	0.10~0.75Us	0.10~0.75Us	0.10~0.75Us	0.10~0.75Us	0.10~0.75Us

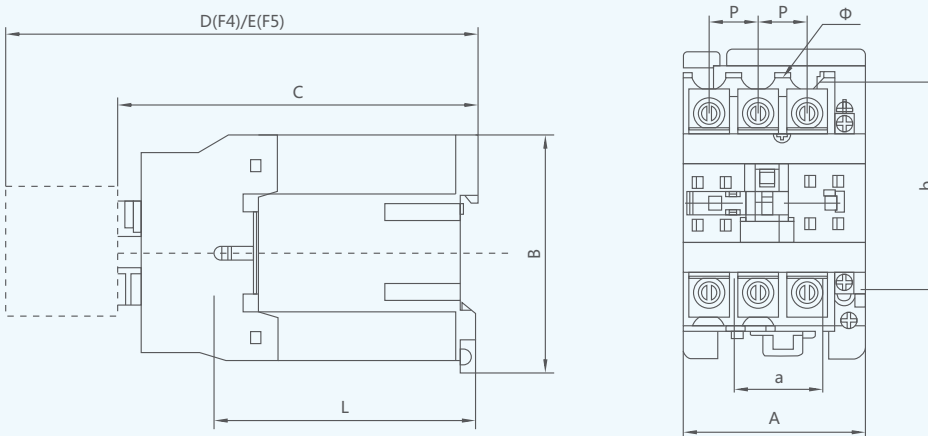
Type			CJX2-40Z	CJX2-50Z	CJX2-65Z	CJX2-80Z	CJX2-95Z
Rated working current(A)	380V	AC3	40	50	65	80	95
		AC4	18.5	24	28	37	44
	660V	AC3	34	39	42	49	55
		AC4	9	12	14	17.3	21.3
Rated heat current(A)			60	80	80	125	125
Controllable power (kW)	220/240V		11	15	18.5	22	25
	380/400V		18.5	22	30	37	45
	415V		22	30	37	45	45
	500V		22	30	37	55	55
	600/690V		30	33	37	45	55
Pole			3,4	3,4	3,4	3,4	3,4
Rated working voltage(V)			380,660	380,660	380,660	380,660	380,660
Rated insulation voltage(V)			660	660	660	660	660
Mechanical life×10 ⁴			800	800	800	800	800
Electrical life	AC×10 ⁴		80	80	80	80	80
	AC4×10 ⁴		15	15	15	15	15
Operating frequency	Electrical life	AC×10 ⁴	600	600	600	600	600
		AC4×10 ⁴	300	300	300	300	300
	Mechanical life×10 ⁴		3600	3600	3600	3600	3600
Rated controlled voltage(V)			24-660	24-660	24-660	24-660	24-660
Working voltage	Close	DC%	0.85~1.1Us	0.85~1.1Us	0.85~1.1Us	0.85~1.1Us	0.85~1.1Us
	Open	DC%	0.10~0.75Us	0.10~0.75Us	0.10~0.75Us	0.10~0.75Us	0.10~0.75Us

Outline and Mounting Dimension

CJX2-09~32Z



CJX2-40~95Z



Type	Amax	Bmax	Cmax	Dmax	Emax	a	b	Φ	L	P	S
CJX2-09Z~12Z	47	76	82(116)	120.5(154.5)	140.5(174.5)	34/35	50/60	4.5	60(95)	105	8.6
CJX2-18Z	47	76	87(122)	125.5(160.5)	145.5(180.5)	34/35	50/60	4.5	61(96)	11.3	10.4
CJX2-25Z	57	86	95(131)	133.5(169.5)	153.5(189.5)	40	48	4.5	70(107)	13.2	11.7
CJX2-32Z	57	86	100(138)	138.5(176.5)	158.5(196.5)	40	48	4.5	71.6(120)	14.5	13
CJX2-4011Z~6511Z	77	129	116(173)	154.5(211.5)	174.5(231.5)	40	100/10	6.5	78(135)	20	8.6
CJX2-4004/4008Z~6504/6508Z	84	129	116(173)	154.5(211.5)	174.5(231.5)	40	100/10	6.5	78(135)	20	8.6
CJX2-8011Z~9511Z	87	129	127(188)	165.5(226.5)	165.5(226.5)	40	100/10	6.5	83(140)	23.5	12
CJX2-8004/8008Z~9504/9508Z	96	129	127(183)	160.5(221.5)	180.5(241.5)	40	100/10	6.5	83(140)	23.5	12



CJX2-N Mechanical Interlocking Contactor
Specifications

Type	Rated operation current(Ie)(A)	Rated thermal current (Ith)(A)	Rated operational power in category AC-3 (kW)	
			380V	660V
CJX2-09N	9	20	4	5.5
CJX2-12N	12	20	5.5	7.5
CJX2-18N	18	32	7.5	10
CJX2-25N	25	40	11	15
CJX2-32N	32	50	15	18.5
CJX2-40N	40	60	18.5	30
CJX2-50N	50	80	22	33
CJX2-63N	63	80	30	37
CJX2-80N	80	95	37	45
CJX2-95N	95	95	45	55



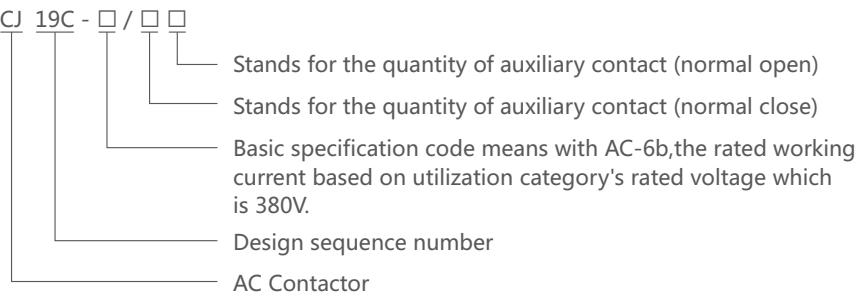
Type	Rated operation current(Ie)(A)	Rated thermal current(Ith)(A)	Rated operational power in category AC-3 (kW)		Rated insulation voltage(Ui)(V)
			380V	660V	
CJX2-F115N	115	200	55	80	1000
CJX2-F150N	150	200	75	100	1000
CJX2-F185N	185	275	90	110	1000
CJX2-F225N	225	275	110	129	1000
CJX2-F265N	265	315	132	160	1000
CJX2-F330N	330	380	160	220	1000
CJX2-F400N	400	450	200	280	1000
CJX2-F500N	500	630	250	335	1000
CJX2-F630N	630	800	335	450	1000



CJ19C Changeover Capacitor AC Contactor
General

CJ19C series AC Contactor is suitable for using in the circuits the rated voltage up to 3800V AC 50Hz or 60Hz.CJ19C is used to combine with low voltage reactive power compensators or cut off low voltage shunt capacitor. CJ19C series AC Contactor has restraining device to effectively decrease impact caused by inrush transient current when switch on or over voltage when switch off.

Type designation



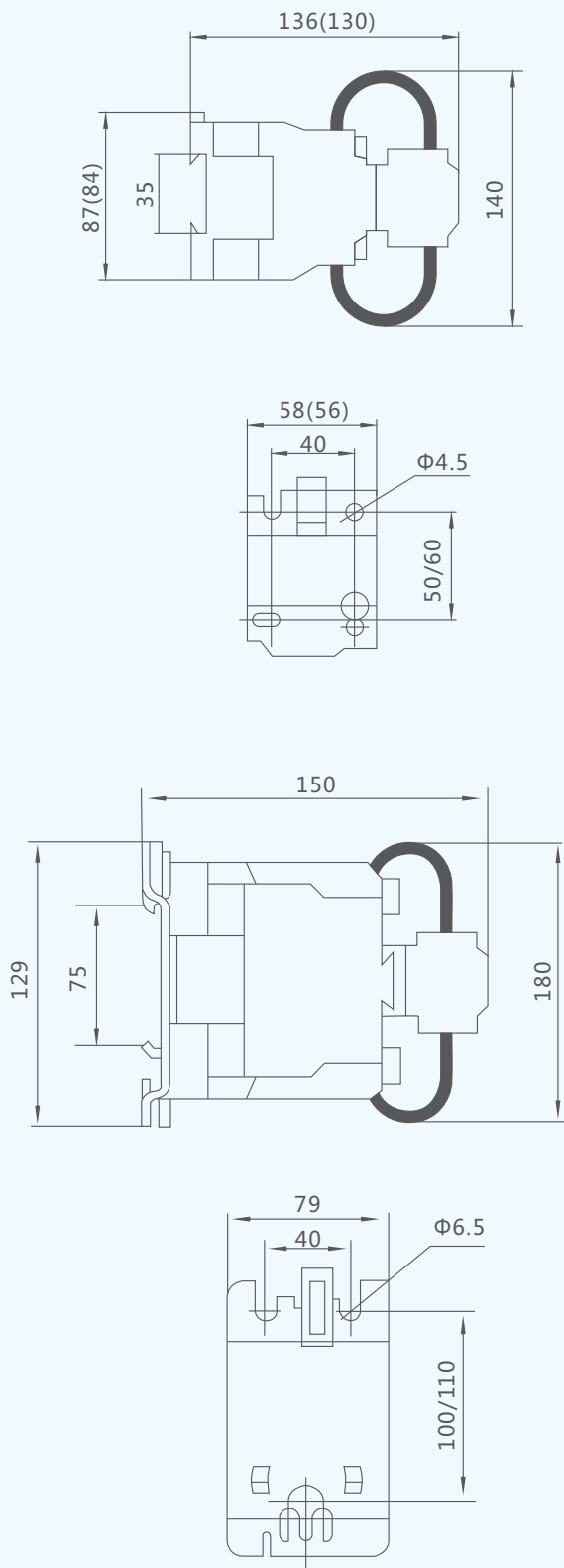
- Note:
- A. Acquiesce in 3 pairs of N/O main auxiliary contacts and 3 pairs of N/O precharge auxiliary contacts
 - B. CJX2 with F4's derivate code;
 - C. CJX2 with F4 and electromagnet's derivate code

Type designation

Type		CJ19C-25	CJ19C-32	CJ19C-43	CJ19C-63
Item	230V	6	9	10	15
	400V	12	18	20	30
Controllable capacitor capacity (kvar)					
Rated insulation voltage (V)		500			
Rated operation voltage (V)		380			
Conventional thermal current (A)		25	32	43	63
AC-6b rated working current (A)		17	23	29	43
Restrained surge capacity/ Capacitor rated current		20Ie			
Controlled power voltage (V)		48, 110, 127, 220, 380			
Conventional thermal current of auxiliary contacts (A)		6			10
Operating frequency (cycles/h)		120			
Electrical life (×10 ⁵ time)		1			
Mechanical life (×10 ⁵ time)		10			



Outline and installation dimensions



Application

VR28 series thermal overload relay are suitable for overload and phase-failure protection of AC motors with frequency of 50/60Hz, voltage up to 690V, current up to 0.1-150A under 8-hours duty or uninterrupted duty. Functions provided by these relays, are phase-failure protection, ON/OFF indication, temperature compensation, and manual/automatic reset. Applicable Standard: GB 14048. International Standard: IEC 60947-4-1. The relays can be mounted onto contactors or installed as single units.

Protection Characteristics

Item	NO.	Times the setting current		Release time	Test condition
Overload protection	1	1.05		>2h	Start from Cold status
	2	1.2		<2h	Start from Hot status right after item no.1
	3	1.5		<2m	
	4	7.2		2s<Tp≤10s	Start from Cold status
Phase failure protection		Any two phases	Another phase		
	5	1.0	0.9	>2h	Start from Cold status
	6	1.15	0	<2h	Start from Hot status right after item no.5

Selection and Parameters



JR28-25 (LR2-D13)



JR28-36 (LR2-D23)



JR28-93 (LR2-D33)

Number	Rated current A	For contactor
1301	0.1-0.16	CJX2-09 CJX2-12 CJX2-18 CJX2-25
1302	0.16-0.25	
1303	0.25-0.4	
1304	0.4-0.63	
1305	0.63-1	
1306	1-1.6	
1307	1.6-2.5	
1308	2.5-4	
1310	4-6	
1312	5.5-8	
1314	7-10	
1316	9-13	
1321	12-18	CJX2-32
1322	17-25	
1353	23-32	
2353	23-32	CJX2-40 CJX2-50 CJX2-65 CJX2-80 CJX2-95
2355	28-36	
3353	23-32	
3355	30-40	
3357	37-50	
3359	48-65	
3361	55-70	
3363	63-80	
3365	80-93	



JR28-140 (LR2-D43)

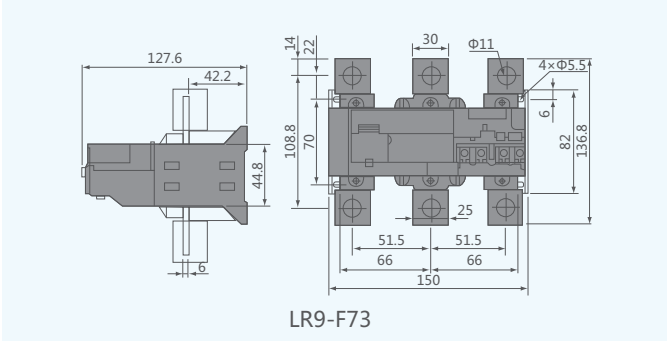
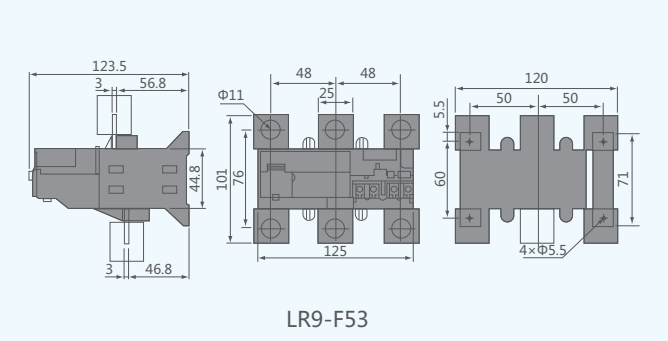
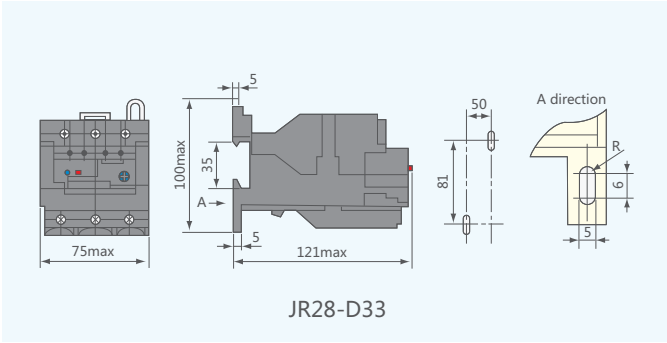
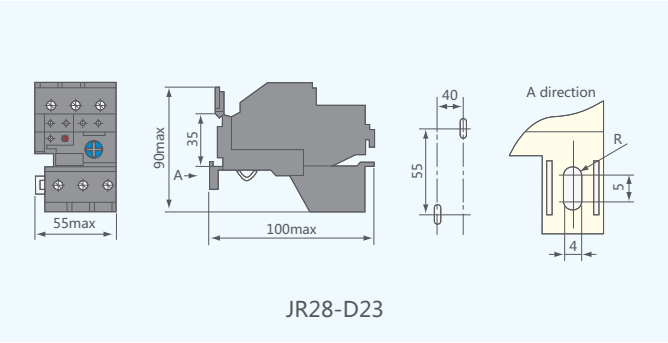
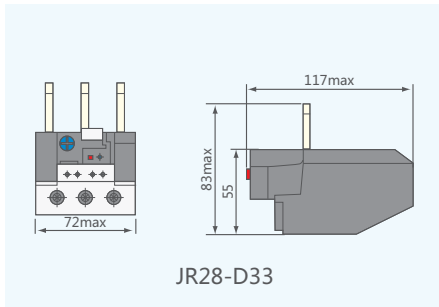
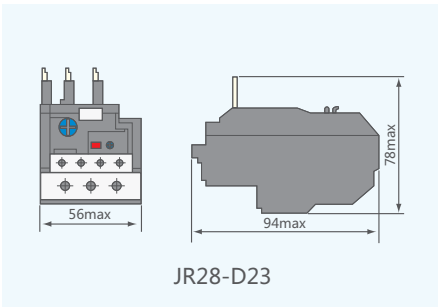
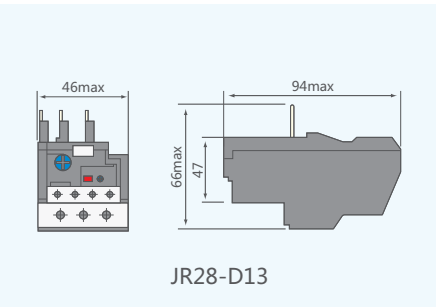


JR28-200 (LR9-F53)

Selection and Parameters

Number	Rated current A	Contactor
4365	80~104	CJX2-95 CJX2-115 CJX2-150
4367	95~120	
4369	110~140	
5357	30~50	CJX2-F115~F185
5363	48~80	
5367	60~100	
5369	90~150	
5371	132~220	
7375	200~330	CJX2-F225~F265 CJX2-F225~F500 CJX2-F400~F630
7379	300~500	
7381	380~630	

Overall and Mounting Dimensions



Application

JR28N series thermal relay is suitable for using in the circuits rated voltage up to 660V, rated current 93A AC 50/60Hz, for over-current protection of AC motor. The relay has the differential mechanism and temperature compensation and can plug in CJX2N series AC contactor. The product conforms to IEC 60947-4-1 standard.

Motion Characteristic: Three-phase Balance Motion Time

No	Times of the setting current (A)	Motion time	Start condition	Ambient temperature
1	1.05	> 2h	Cold state	20±5°C
2	1.2	< 2h	Heat state	
3	1.5	< 4min	(Following the No.1 test)	
4		10A 2s < Tp≤10s ≤63A 10A 4s < Tp≤10s > 63A	Cold state	

Phase-losing Motion Characteristic

No	Times of the setting current (A)		Motion time	Start condition	Ambient temperature
	Any two phases	Another phase			
1	1.0	0.9	> 2h	Cold state	20±5°C
2	1.15	0	< 2h	Heat state (Following the No.1 test)	

Phase-losing Motion Characteristic

Type	Number	Setting range (A)	For contactor
JR28N-25	D01	0.10~0.16	CJX2N-09 CJX2N-12 CJX2N-18 CJX2N-25 CJX2N-38
	D02	0.16~0.25	
	D03	0.25~0.40	
	D04	0.40~0.63	
	D05	0.63~1	
	D06	1~1.7	
	D07	1.6~2.5	
	D08	2.5~4	
	D10	4~6	
	D12	5.5~8	
	D14	7~10	
	D16	9~13	
	D21	12~18	
	D22	16~24	
JR28N-93	D23	30~38	
	3322	17~25	CJX2N-40 CJX2N-50 CJX2N-65 CJX2N-80 CJX2N-95
	3353	23~32	
	3355	30~40	
	3357	37~50	
	3359	48~65	
	3361	55~70	
	3363	63~80	
	3365	80~93	

LE1 Magnetic Starter

General

LE1 Magnetic starter is suitable for using in the circuits the rated voltage up to 690V AC 50Hz or 60Hz.With AC-3 type,LE1 is used for starting or halting of three-phase squirrel case electromotor which rated working voltage is 380V and rated working current is from 9A to 95A. Combining with matchable thermal relay can protect the motor from overload and phase failure.

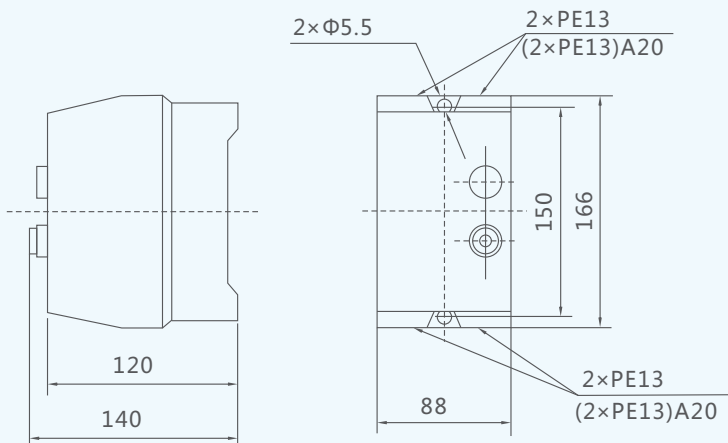
Operation and installation condition

- 1. Ambient air temperature:-5°C~+40°C, average temperature of 24 hours must below +35°C
- 2. Altitude:≤2000m
- 3. Relative humidity: The maximum temperature of 40 degrees,the air relative humidity not exceed 50%,at a lower temperature can allow for a higher relative humidity.The humidest month' s average lowest temperature must be below 25°C, the max relative humidity of that month should not exceed 90%.If humidity changes as a result of occasional gel generated,should eliminate it.
- 4. Pollution level: 3
- 5. Installation category: III
- 6. Installation position: The installation degree of the tilt and vertical plane should not exceed ±5°.
- 7. Shock vibration:Products should be installed and used without severe shake, shock and vibration of the place.

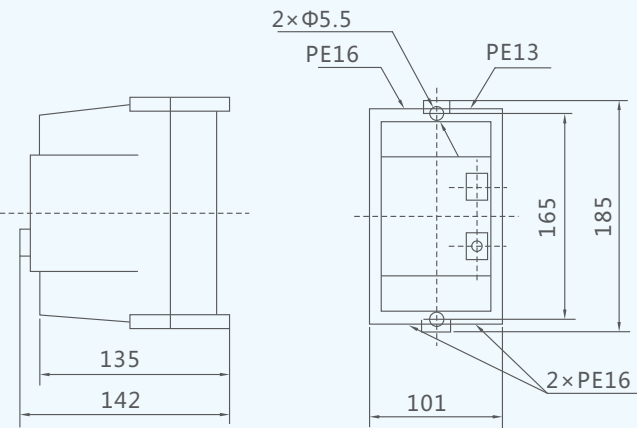
Specifications

Type	Maximum power AC3 duty (kW)			Rated current (A)	Matched thermal relay (A)
	220V 230V	380V 400V	660V 690V		
LE1-09	2.2	4	5.5	9	LR2 D13
LE1-12	3	5.5	7.5	12	LR2 D13
LE1-16	4	7.5	10	18	LR2 D13
LE1-25	5.5	11	15	25	LR2 D13 LR2-D23
LE1-32	7.5	15	18.5	32	LR2 D23
LE1-40	11	18.5	30	40	LR2 D33
LE1-50	15	22	33	50	LR2 D33
LE1-65	18.5	30	37	65	LR2 D33
LE1-80	22	37	45	80	LR2 D33
LE1-95	25	45	45	95	LR2 D33

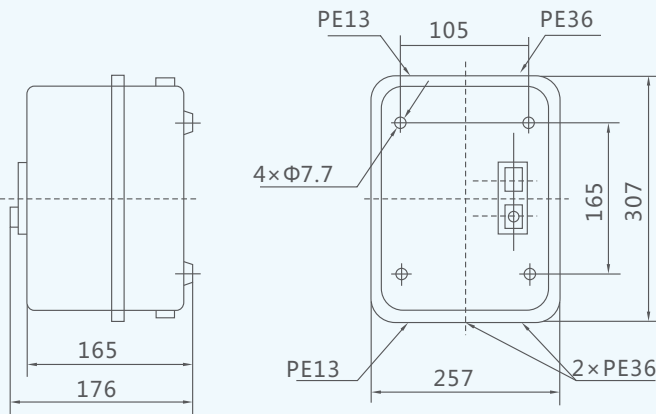
Overall and mounting dimensions(mm)



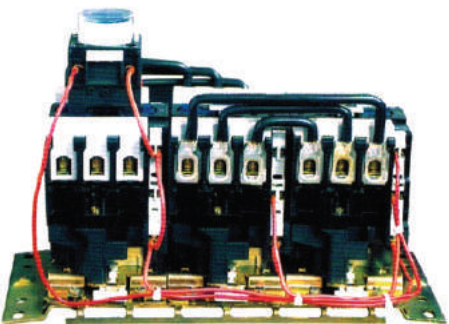
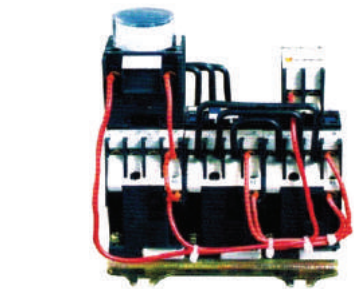
LE1-D09, D12, D18



LE1-D25, D32



LE1-D40, D50, D65, D80, D95

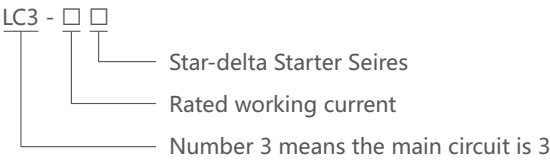


LC3 Star-delta Decompression Starter

General

For AC 50hz or 60hz, rated insulation voltage of 660V (690V), use the AC-3 category rated working voltage of 380V, power of 80KW and the following three-phase squirrel cage induction motor for controlling the stator winding by star for access to the triangular shape to start and stop. After assembling the corresponding specifications of thermal relay can be related to the motor and circuit overload protection. The starters and QJX4 have the same functionality can be equated with the same specification used interchangeably.

Type Designation



Normal Operating and Installation Conditions

- 1. Ambient air temperature -5°C~+40°C;
- 2. Altitude less than 2000m;
- 3. Vibration conditions: starter should be installed in the absence of a significant shake, shock and vibration

Size and Composition

Selection Y initiator element

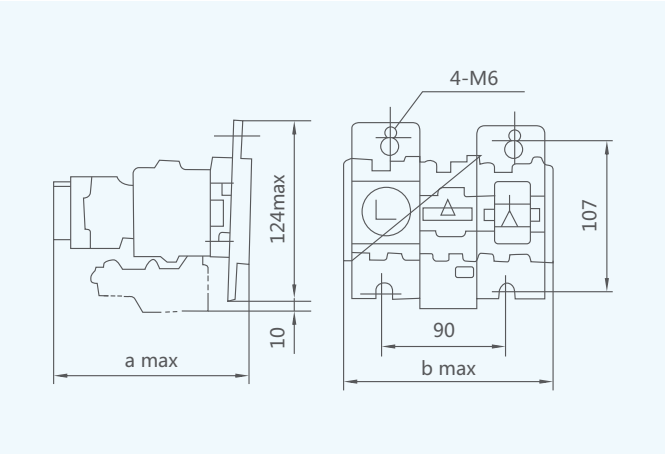
Model	Main circuit contactor			Standard thermal relay		Control motor power (kW)				With fuses
	Isolation KM2	Isolation KM1	Isolation KM3	Current setting range (A)	Thermal relay models	220V	380V	415V	440V	
LC3-D123	CJX2-1210	CJX2-0901	CJX2-1201	10~13	JR28-12316	5.5	10	10	10	20
LC3-D183	CJX2-1810	CJX2-1201	CJX2-1801	13~18	JR28-16321	17.5	15	15	15	32
LC3-D253	CJX2-2510	CJX2-1201	CJX2-2501	18~25	JR28-25322	11	18.5	22	22	50
LC3-D323	CJX2-3210	CJX2-2501	CJX2-3201	23~32	JR28-32353	15	25	25	30	63
LC3-D403	CJX2-4011	CJX2-2501	CJX2-4011	30~40	JR28-40355	18.5	33	37	37	80
LC3-D503	CJX2-5011	CJX2-4011	CJX2-5011	48~57	JR28-63359	25	45	45	45	100
LC3-D653	CJX2-6511	CJX2-4011	CJX2-6511	57~66	JR28-63361	30	55	59	59	125
LC3-D803	CJX2-8011	CJX2-5011	CJX2-8011	63~80	JR28-80363	40	75	75	75	160
LC3-D953	CJX2-9511	CJX2-6511	CJX2-9511	75~105	JR28-14605	40	80	80	80	200

Main Technical Parameters

Parameters		Model	LC3D-123	LC3D-183	LC3D-253	LC3D-323	LC3D-403	LC3D-503	LC3D-653	LC3D-803	LC3D-953
Rated working current Ie(AC-3, <380V)A			20	31	43	55	69	86	109	138	164
Rated insulation voltage Ui V			660(690)								
Rated working voltage Ue V			380								
Standards compliant			GB14048.4								
AC-3, 380V Electrical life			5.5×10 ⁴		2.5×10 ⁴			2×10 ⁴		1.5×10 ⁴	
Mechanical life			30×10								
Rated working voltage in auxiliary circuit load			AC380 DC220								
Conventional thermal in auxiliary circuit load			10								
Coil	Pull-in voltage		0.85~1.1								
	Release voltage		0.2~0.75								

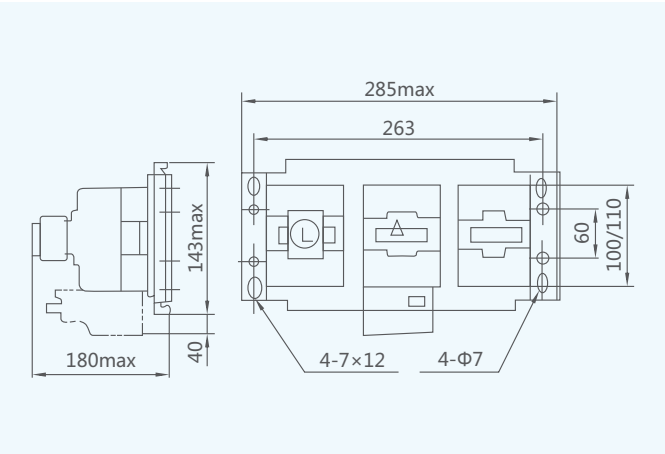
Dimensions, Mounting Dimensions and Wiring

LC3-D12,D18,D25,D32 outline and mounting dimensions

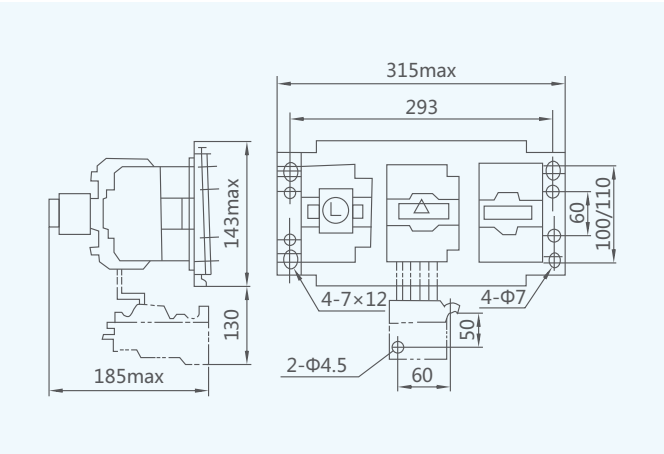


Model	amax	bmax
LC3-D12	144	140
LC3-D18	149	140
LC3-D25	160	170
LC3-D32	165	170

LC3-D40,D50,D65 outline and mounting dimensions



LC3-D80,D95 outline and mounting dimensions





YCB1000 Inverter Mini Type(Volt:220V Power:0.4kW-2.2kW)

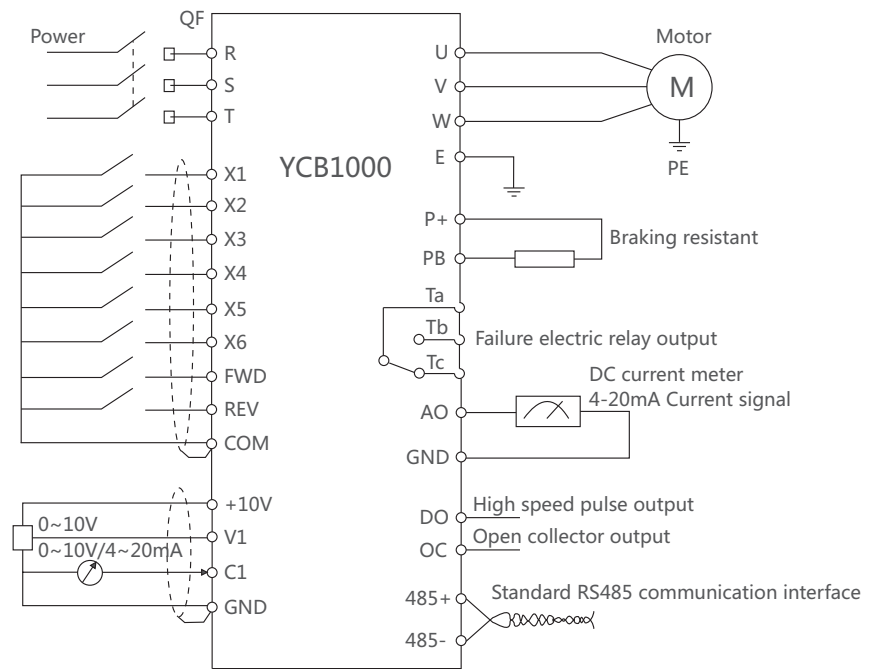
Product Features

- 1. High performance without a sense vector control with good low frequency torque
- 2. Standard RS485 communication interface, support MODBUS communication protocol
- 3. High performance V/F control algorithm with several kinds of V/F curve
- 4. Small size, light weight, strong function, stable performance and seay to use
- 5. Flexible and easy use design, simple installation and commissioning steps

Application Fields

- 1. Suitable for OEM application
- 2. Widely deployed in machinery industry, textile industry, package industry, printing industry and pharmacy industry, etc.

Product Features



YCB1000 Inverter Mini Type(Volt:380V Power:0.4kW-500kW)

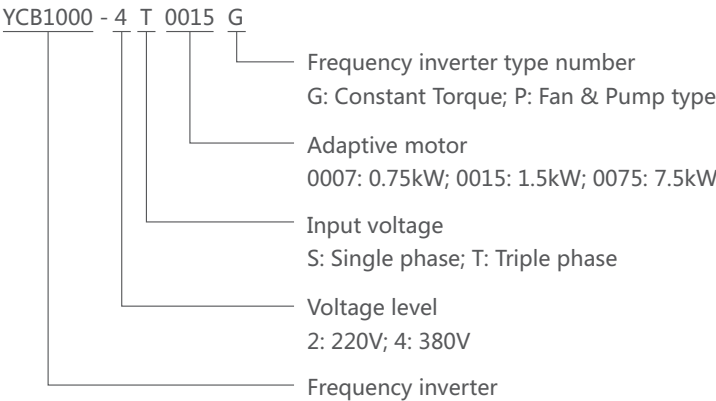
Product Features

- 1. Sensorless vector control with the best low frequency compensation ability
- 2. Designed with special radiator tree and switch power, all of such kinds of new technologies improvethe performance
- 3. Several protective technologies and new component have been applied to the circuit, notably improve the anti-interference ability
- 4. Realize the preset frequency, or central frequency adjustable swing frequency function
- 5. Several phases speed operation controlled by build-in PLC or controlling terminal
- 6. Modulation Mode: space vector pulse width modulation SVPWN
- 7. Automatic energy saving operation: automatically optimize V/F curve to save the energy
- 8. Switch input channel: forward and reversal rotation control, 8 channel program switch input, 35 kinds of function
- 9. Strong overload performance: 150% rated current for 1 minute, 180% rated current for 3 seconds
- 10. Communication function: RS485 standard communication interface, support ASCII and RTU format MODBUS communication protocol

Application Fields

- 1. Applied with boiler drum, induced draft fan, coal mine ventilator, etc
- 2. Applied in central air-condition energy saving optimization, air compressor energy saving renovation, music fountain, etc
- 3. Applied with water circulating pump, water supply pump, clear water pump, sewage pump, purification pump, constant pressure water supply, oilfield water injection pump, oil pump, etc
- 4. Applied with mine conveyer, coal feeder, mixer, pulverizer, converter, blast furnace, etc
- 5. Applied with extruder, bottle blowing machine, film blowing machine, film conveying belt, centrifugal separator, compressor, sprayer, etc

Type Designation



Technical Index

Item		Item Description
Output	Rated voltage, frequency	Sing
	Permissible working voltage	Effective value of voltage: 220V class 180~230V, 380V class 320~460V Voltage unbalanced rate: <3%; Frequency error: ≤+5%
Input	Rated voltage	Three phases 0~input voltage
	Frequency	0~400Hz
Overloading capacity		G type: 110% long term, 150% 1min, 180% 1s, 200% instantaneous trip P type: 120% 1min, 150% 1s, 180% instantaneous trip
Control Function	Working mode	Electromagnetic vector PWM modulation
	Adjustment range	1:100
	Starting torque	100% rated torque at 3Hz
	Frequency accuracy	Digital setting: highest frequency×±0.01% Analog setting: highest frequency×±0.2%
	Freq dissolutions	Digital setting: 0.01Hz; Analog setting: highest frequency×0.1%
	Torque	Automatically rise torque up, according to output current it auto rise the torque up. Manually rise torque up, scope:1~30%
	V/F curve	1. Linear curve 2. Square curve
	Acceleration, slow-down time	0.1~6000s continuous adjustment.
	Compensation for rotation error	Setting scope: 0~20%, it can auto adjust the output frequency of inverter according to the motor loading, to reduce the speed change due the motor load fluctuates.
	Built-in PID	Easily form the loop control system, that it is suitable for pressure control, flux control and etc.
	Auto voltage regulation	When network voltage change, it can auto adjust the output of PWM and keep output voltage constant
	Auto energy-saving run	As load change, it auto optimize the V/F curve, to realize the energy-saved running.
Running Function	Freq setting	The setting of Potentiometer in the panel: operation panel / key setting, terminal of outer control Rise / Drop setting, ananlog voltage signal or outer potentiometer setting, analog current signal setting, ananlog combination setting, setting of 485 serial communication.
	Running command	Control of operation panel, control of outer terminals, control of serial communication
	Analog output terminal	0~10V DC voltage signal output, can realize the output of frequency, current and etc, physical parameters
	Input signal	Positive/megative rotation signal, multi-step signal, fault signal, resetting signal
	Output signal	Programmable integrated circuit opening output, fault signal output

Item		Item Description
Braking Function	Braking by power consumption	Outer connected to braking resistance, maxi braking torque 100%
	Brake by direct current	When starting or stopping, it is optional respectively, action frequency: 0-20Hz, action voltage level: 0-20%, action time 0-30s, continuously adjustable.
Other Function		Jumpinf frequency, point function, counter, rotation speed track, restart after instan-staneous power off, upper and lower frequency limit, acceleration and slow-down modes adjustable, cymometer and voltmeter output, multi-step / program running, two lines / three lines control, double polar control, selection of multifunctional input terminal, auto reset after fault, 485 serial communication.
Protection Function		Input protection against phase failure, over-current protection, overloading protection, under-voltage protection, overheating protection, output short circuit protection and etc.
LED Display		It can display inverter real-time working status, monitoring parameters, function data, fault codes and etc.
Optional Accessories		Braking parts, remote and operation panel and connection wire, communication panel
Ambient Conditions	Working site	Indoor, without direct sunshine, no dust, corrosive gas, flammable and explosive gas, oil fog, steam, water drop, salty
	Altitude	Altitude less than 1000m
	Ambient temperature	-10~+45℃ (The only machine: -10~+50℃)
	Humidity	20~90%RH, Without water condensation
	Vibration	<0.5G
	Storage temperature	-20~+60℃
	Protection grade	IP20
Structure	Cooling mode	Fan cooling
	Mounting mode	Wall hung type, standing type.

Structure and Size

YCB1000/380V				Appearance Size (mm) L×W×D	Aperture Size of Panel (mm) L×H	
No.	Model	Power	Voltage			
1	YCB1000	0.75kW	380V	169×125×172	Panel: 75×55 Panel Cover: 95×61	
2		1.5kW				
3		2.2kW				
4		4kW				
5		5.5kW		221×151×186		
6		7.5kW				
7		11kW		280×190×182		
8		15kW				
9		18.5kW		339×230×212		
10		22kW				
11		30kW		450×280×260		
12		37kW				
13		45kW		520×290×290		
14		55kW				
15		75kW		580×290×320		
16		90kW				
17		110kW		630×380×350		
18		132kW				
19		160kW		880×510×400		
20		185kW				
21		200kW		980×510×400		
22		220kW				
23		250kW		1050×710×420		
24		280kW				
25		315kW		1900×800×420		
26		350kW				
27		400kW				
28		500kW				

YCB1000/220V				Appearance Size (mm) L×W×D	
No.	Model	Power	Voltage		
1	YCB1000	0.75kW	220V	142×85×122	
2		1.5kW			
3		2.2kW		185×96×150	



SSR-1 D4840

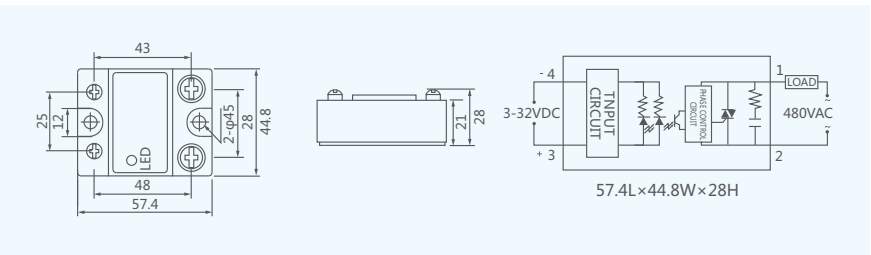


SSR-1 A4825

* Remark:
1. When the load current is 10A, you must install the radiator. When it's 40A or above, you must use fan forced cooling or water cooling.
2. When using inductive load, please connect a varistor on the output terminal, its value should be 1.6-1.9 times of the load voltage.

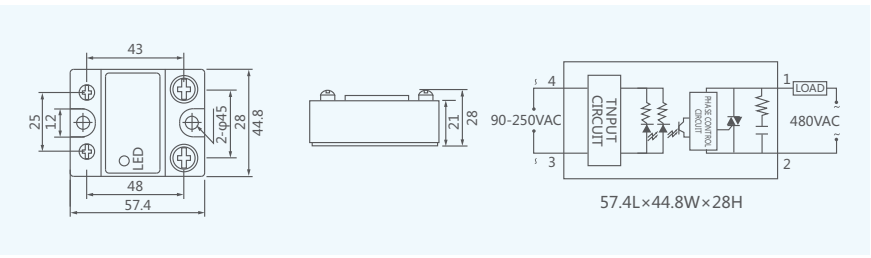
SSR-1 D48□

Item	Data
Load Voltage	480VAC
Load Current	10,15,20,25,30,40,50,60,75,80,90,100,120A
Control Voltage	3-32VDC
Control Current	DC10mA
On Voltage	≤1.5V
Off Leakage Current	≤2mA
On-off Time	≤10mS
Dielectric Strength	2500VAC
Insulation Resistance	1000MΩ/500VDC
Ambient Temperature	-30~+75℃
Mounting Methods	Bolted
The work instructions	LED



SSR-1 A48□

Item	Data
Load Voltage	480VAC
Load Current	10,15,20,25,30,40,50,60,75,80,90,100,120A
Control Voltage	70-280VAC
Control Current	AC≤12mA
On Voltage	≤1.5V
Off Leakage Current	≤2mA
On-off Time	≤10mS
Dielectric Strength	2500VAC
Insulation Resistance	1000MΩ/500VDC
Ambient Temperature	-30~+75℃
Mounting Methods	Bolted
The work instructions	LED

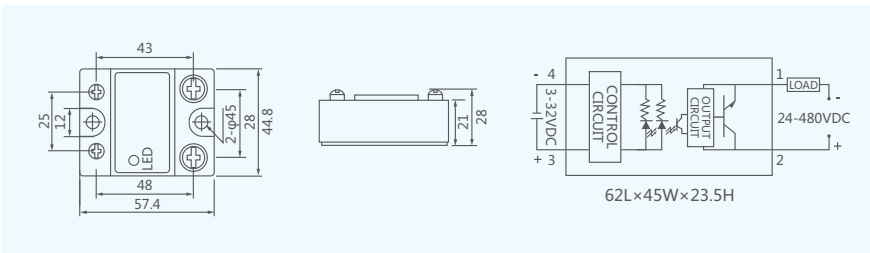




SSR-1 DD480D100

SSR-1 DD48D□

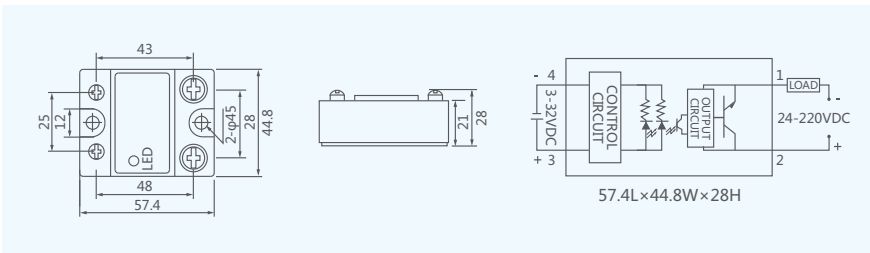
Item	Data
Load Voltage	5-480VDC
Load Current	10,15,20,25,30,40,50,60,80,100A
Control Voltage	3-32VDC
Control Current	DC40mA
On Voltage	≤1V
Off Leakage Current	≤2mA
On-off Time	≤5mS
Dielectric Strength	2000VAC
Insulation Resistance	500MΩ/500VDC
Ambient Temperature	-30~+75℃
Mounting Methods	Bolted
The work instructions	LED



SSR-1 DD220D10

SSR-1 DD220D□

Item	Data
Load Voltage	5-60VDC,5-100VDC,5-220VDC
Load Current	10,15,20,25,30,40,50,60,80,100A
Control Voltage	3-32VDC
Control Current	DC10-40mA
On Voltage	≤1V
Off Leakage Current	≤2mA
On-off Time	≤5mS
Dielectric Strength	2000VAC
Insulation Resistance	500MΩ/500VDC
Ambient Temperature	-30~+75℃
Mounting Methods	Bolted
The work instructions	LED



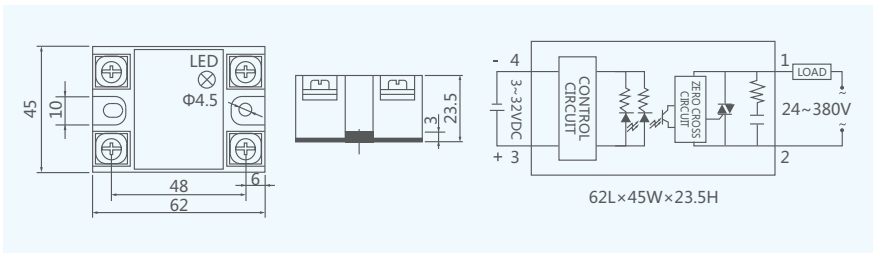
* Remark:
1. When the load current is 10A, you must install the radiator. When it's 40A or above, you must use fan forced cooling or water cooling.
2. When using inductive load, users must add suppressive circuit.



SSR-40DA

SSR-□DA (Fundamental type)

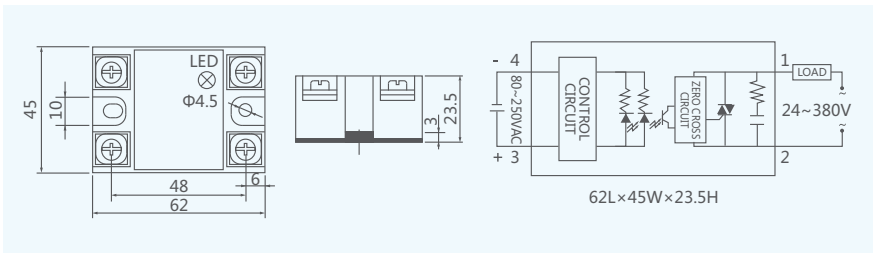
Item	Data
Load Voltage	24-380VAC
Load Current	10,15,25,40,50,60,75,90A
Control Voltage	3-32VDC
Control Current	DC10mA
On Voltage	≤1.5V
Off Leakage Current	≤2mA
On-off Time	≤10mS
Dielectric Strength	2500VAC
Insulation Resistance	1000MΩ/500VDC
Ambient Temperature	-30~+75℃
Mounting Methods	Bolted
The work instructions	LED



SSR-40AA

SSR-□AA (Fundamental type)

Item	Data
Load Voltage	24-380VAC
Load Current	10,15,25,40,50,60,75,90A
Control Voltage	80-250VAC
Control Current	AC≤12mA
On Voltage	≤1.5V
Off Leakage Current	≤4mA
On-off Time	≤10mS
Dielectric Strength	2500VAC
Insulation Resistance	1000MΩ/500VDC
Ambient Temperature	-30~+75℃
Mounting Methods	Bolted
The work instructions	LED



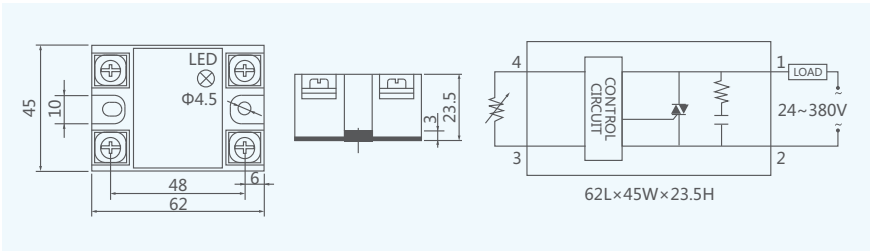
* Remark:
1. When the load current is 10A, you must install the radiator. When it's 40A or above, you must use fan forced cooling or water cooling.
2. When using inductive load, please connect a varistor on the output terminal, its value should be 1.6-1.9 times of the load voltage.



SSR-40VA

SSR-□VA (Fundamental type)

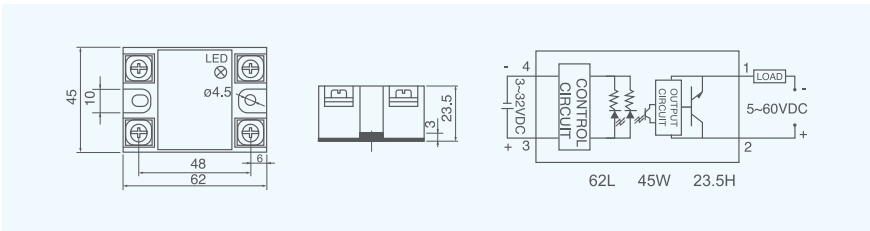
Item	Data
Load Voltage	24-380VAC
Load Current	10,25,40,50,60,80A
Control Voltage	VR:250KΩ/110VAC 470-560KΩ/220VAC
Control Current	/
On Voltage	≤1.5V
Off Leakage Current	≤2mA
On-off Time	/
Dielectric Strength	2500VAC Input and output terminals cooling plate
Insulation Resistance	1000MΩ/500VDC
Ambient Temperature	-30~+75℃
Mounting Methods	Bolted
The work instructions	/



SSR-10DD

SSR-□DD (Fundamental type)

Item	Data
Load Current	10A, 25A, 40A, 50A
Load Voltage	5-60VDC
Control Voltage	3-32VDC
Control Current	DC10-50mA
On Voltage	≤1V
Off Leakage Current	≤2mA
On-off Time	≤10mS
Dielectric Strength	2000VAC
Insulation Resistance	500MΩ/500VDC
Ambient Temperature	-30~+75℃
Mounting Methods	Bolted
The work instructions	LED



* Remark:

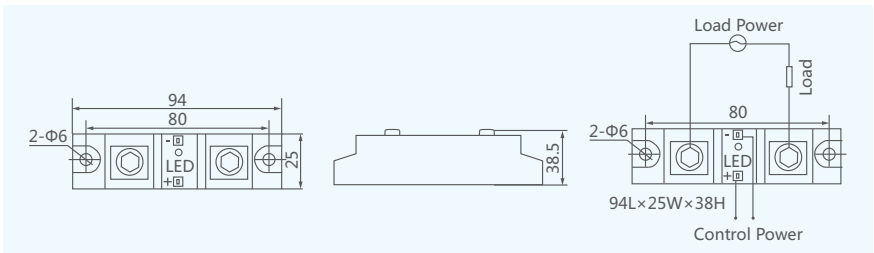
1. When the load current is 10A, you must install the radiator. When it's 40A or above, you must use fan forced cooling or water cooling.
2. When using inductive load, please connect a varistor on the output terminal, its value should be 1.6-1.9 times of the load voltage.



SSR-H3100ZF

SSR-H3100ZF

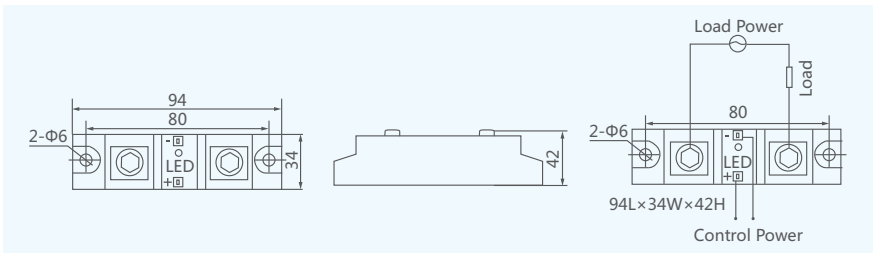
Item	Data
Load Voltage	440VAC (Fundamental type), 660VAC (High voltage type) and 1200 (Enhanced type)
Load Current	80,100,120A
Control Voltage	90-250VAC or 3-32VDC
Control Current	AC≤12mA DC10mA
On Voltage	≤1.5V
Off Leakage Current	≤4mA
On-off Time	≤10mS
Dielectric Strength	2500VAC
Insulation Resistance	1000MΩ/500VDC
Ambient Temperature	-30~+75℃
Mounting Methods	Bolted
The work instructions	LED



SSR-H3200ZF

SSR-H3200ZF

Item	Data
Load Voltage	440VAC (Fundamental type), 660VAC (High voltage type) and 1200 (Enhanced type)
Load Current	150,200,250,290A
Control Voltage	90-250VAC or 3-32VDC
Control Current	AC≤12mA DC10mA
On Voltage	≤1.5V
Off Leakage Current	≤4mA
On-off Time	≤10mS
Dielectric Strength	2500VAC
Insulation Resistance	1000MΩ/500VDC
Ambient Temperature	-30~+75℃
Mounting Methods	Bolted
The work instructions	LED



* Remark:

1. When the load current is 10A, you must install the radiator. When it's 40A or above, you must use fan forced cooling or water cooling.
2. When using inductive load, please connect a varistor on the output terminal, its value should be 1.6-1.9 times of the load voltage.

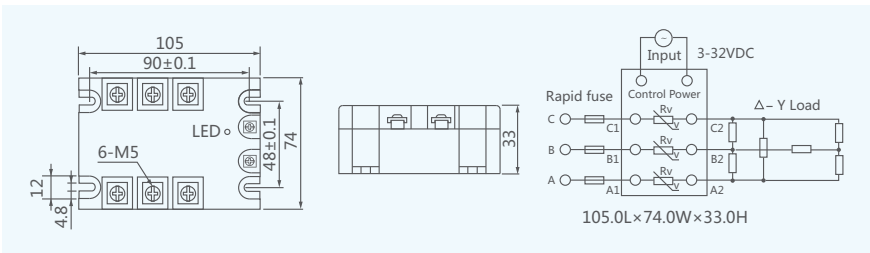
SSR-3
Solid State Relay



SSR-3 032 3840Z

SSR-3 032 38□Z (Fundamental type)

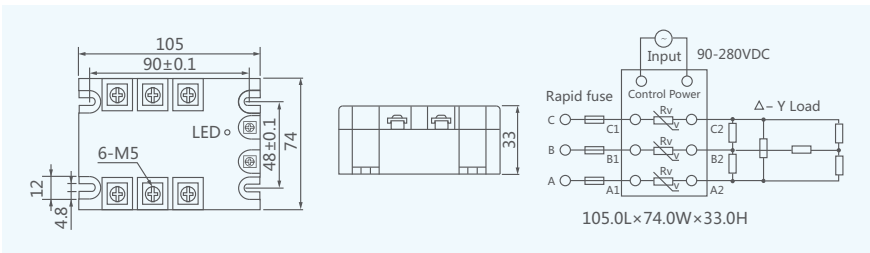
Item	Data
Load Voltage	380VAC,660VAC
Load Current	10,15,20,25,30,40,50,60,75,80,100,120,150,200A
Control Voltage	3-32VDC
Control Current	20mA
On Voltage	≤1.5V
Off Leakage Current	≤10mA
On-off Time	≤10mS
Dielectric Strength	2500VAC
Insulation Resistance	1000MΩ/500VDC
Ambient Temperature	-30~+75℃
Mounting Methods	Bolted
The work instructions	LED



SSR-3 A3840Z

SSR-3 A38□Z (High voltage type)

Item	Data
Load Voltage	380VAC,660VAC
Load Current	10,15,20,25,30,40,50,60,75,80,100,120,150,200A
Control Voltage	70-280VAC
Control Current	AC≤12mA
On Voltage	≤1.5V
Off Leakage Current	≤10mA
On-off Time	≤10mS
Dielectric Strength	2500VAC
Insulation Resistance	1000MΩ/500VDC
Ambient Temperature	-30~+75℃
Mounting Methods	Bolted
The work instructions	LED



* Remark:

1. When the load current is 10A, you must install the radiator. When it's 40A or above, you must use fan forced cooling or water cooling.

2. When using inductive load, please connect a varistor on the output terminal, its value should be 1.6-1.9 times of the load voltage.