CONTENTS


Aoasis 中奥
1L1 3L2 5L3 13NO
CJX2
0910
10
2T1 4T2 6T3 14NO

CJX2 交流接触器

型号及其含义Type and Signification

CJX2 09 10 — Z

① ② ③ ④

① 接触器系列代号Contactor Series Code

② 额定工作电流Rated Operating Current

③

10	表示辅助触头组1常开Aux. Contact NO
01	表示辅助触头组1常闭Aux. Contact NC
004	表示为四极接触器4-pole Contactor

④

接触器类型Contactor type	
N	可逆式接触器AC Reversing Contactor
Z	直流接触器DC Contactors
—	标准型(9-150A)Standard Type

适用范围 Application Range

CJX2-□□系列接触器适用于工作电压交流50Hz或60Hz、工作电压至660V、直流电压至220V，电流至150A的电路中，供远距离接通与分断电路及频繁启动、控制交流电动机，接触器还可以组装成积木式辅助触头组、空气延时头、机械联锁机构等部件，组成延时接触器、可逆接触器、切换电容接触器、星三角启动器，并且可以和JR28热过载继电器插接安装组成电磁起动器。

CJX2-□□series contactor is suitable for using in the circuit up to the rated voltage 600V AC 50Hz or 60Hz,DC voltage 220V rated current 150A,for making and breaking and frequent starting, controlling the AC motor which is combined with the auxiliary contact group, air delayer,machine interlocking device and etc.It is combined into the delay contactor, mechanical interlock contactor, switchover capacitor contactor, star-delta starter, with the thermal JR28 relay; it is combined into the electromagnetic starter.

辅助触点模块 Aux. Contacts Blocks

外 观 Picture				
型号 Type	F8	F4-20 F4-11 F4-02	F4-40 F4-31 F4-22	F4-13 F4-04
触头结构 Contact Arrangement	1NO+1NC	2NO 1NO+1NC 2NC	4NO 3NO+1NC 2NO+2NC	1NO+3NC 4NC

空气延时头 Air Time Delay

型号 Type	延时范围 Delay Range	延时类型 Delay Type	简图 Picture
LA2-DT0	0.1~3s	通电延时 Closing Delay	
LA2-DT2	0.1~30s		
LA2-DT4	10~180s		
LA3-DR0	0.1~3s	断电延时 Breaking Delay	
LA3-DR2	0.1~30s		
LA3-DR4	10~180s		

附件装配图

结构特点 Type

CJX2系列产品可以采用积木式安装方式加装辅助触头组、空气延时头、热过载继电器等附件，组合成多种派生产品;

CJX2 Series products can use building-block install way to add auxiliary contact group time-delay block, thermal relay and other accessories forming various of derived products.

派生产品 Derived Products	接触器 Contactor	辅助模块 Auxiliary Modular	简图 Picture
延时接触器 Time-delay Contactor		 空气延时头 Air Time Delay	
可逆接触器 ReversingContactor	 	 机械联锁 Mechanical Interlock Unit	
电磁起动器 Magnetic Starter		 热继电器 Thermal Relay	
切换电容接触器 AC Contactor for Capacitor Switching		 切换电容头 Switchover Capacitor Unit	
星三角启动器 Star-delta Starter	  	  空气延时头 辅助触头组 Air Time Delay Aux.Contact	

CJX2 交流接触器

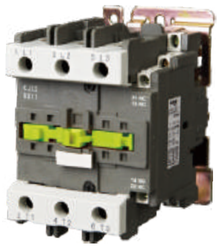
技术参数 Technical Parameters

型号 Type			CJX2-09	CJX2-12	CJX2-18	CJX2-25	CJX2-32
额定功率 Rated Power kW/HP(AC-3) IEC60947-4-1 GB14048.4		200-240V	2.2/3	3/4	4/5.5	5.5/7.5	7.5/10
		380-440V	4/5.5	5.5/7.5	7.5/10	11/15	15/20
		500-550V	5/7	7.5/10	9/12	15/20	18.5/25
		660-690V	5.5/7.5	7.5/10	10/13.5	15/20	18.5/25
额定电流 Rated Current A(AC-3) IEC60947-4-1 GB14048.4		200-240V	11	15	22	30	40
		380-440V	9	12	18	25	32
		500-550V	7	9	12	18	21
		660-690V	7	9	12	18	21
约定发热电流Conventional Thermal Current Ith:(A)			25	25	32	40	50
额定绝缘电压Rated Insulated Voltage Ui:(V)			690				
辅助触头 Auxiliary Contact AC-15	触头构成 Contact Arrangement	标准Standard	1NO				
		特殊Special	1NC				
	额定电流 Rated Current A(AC-15) IEC60947-5-1 GB14048.5	200-240V	1.6				
		380-440V	0.95				
	约定发热电流 Conventional Thermal Current Ith:(A)		16				
电寿命(AC-3)百万次Electrical Life(Million Times)			见曲线图 Refer to Page 48				
机械寿命(百万次)Mechanical Life(Million Times)			8				

电路特性与安装接线 Circuits Characteristic and Terminal Connection

连接线路 Connection Circuits	型号 Type	CJX2-09	CJX2-12	CJX2-18	CJX2-25	CJX2-32
线圈电压 Coil Voltage (V)	AC 50Hz/60Hz	24, 36, 48, 110, 220, 230, 240, 380, 400, 415, 440				
动作特性范围 Acting Range	吸合特性（热态） Attraction(Hot)	(85%～110%)Us;+40˚C				
	释放特性（冷态） Release(Cold)	AC:(20%～75%)Us,DC:(10%～75%)Us;-5˚C				
安装 Installation		35mm导轨或螺钉（M4）固定 35mm DIN rail or screw (M4)				
主回路连接线 Control Circuit Connection		最小/最大 截面积（mm）² Min./Max. sectional area				
不带端子软线 Flexible wire (without terminal)	1根导线 1wire	1/4	1/4	1. 5/6	1. 5/10	2. 5/10
	2根导线 2wires	1/4	1/4	1. 5/6	1. 5/6	2. 5/10
带端子软线 Flexible wire (with terminal)	1根导线 1wire	1/4	1/4	1/6	1/6	1/10
	2根导线 2wires	1/2. 5	1/2. 5	1/4	1/4	1. 5/6
不带端子的硬线 Hard wire (without terminal)	1根导线 1wire	1/4	1. 5/6	1. 5/6	1. 5/6	1. 5/10
	2根导线 2wires	1/4	1. 5/6	1. 5/6	1. 5/6	2. 5/10

CJX2 交流接触器



技术参数 Technical Parameters

型号 Type			CJX2-40	CJX2-50	CJX2-65	CJX2-80	CJX2-95	CJX2-115	CJX2-150	CJX2-170
额定功率 Rated Power kW/HP(AC-3) IEC60947-4-1 GB14048.4		200-240V	11/15	15/20	18.5/25	22/30	25/35	30/40	40/50	55/75
		380-440V	18.5/25	22/30	30/40	37/50	45/60	55/75	75/100	90/125
		500-550V	30/40	37/50	37/50	45/60	45/60	75/100	90/125	110/145
		660-690V	30/40	37/50	37/50	45/60	45/60	75/100	90/125	100/145
额定电流 Rated Current A(AC-3) IEC60947-4-1 GB14048.4		200-240V	50	60	75	90	110	125	165	175
		380-440V	40	50	65	80	95	115	150	170
		500-550V	34	39	42	49	59	100	120	125
		660-690V	34	39	42	49	59	100	120	125
约定发热电流Conventional Thermal Current Ith:(A)			60	80	80	110	130	200	250	250
额定绝缘电压Rated Insulated Voltage Ui:(V)			690					1000		
辅助触头 Auxiliary Contact AC-15	触头构成 Contact Arrangement	标准Standard	1NO+1NC					—		
		特殊Special	—					—		
	额定电流 Rated Current A(AC-15) IEC60947-5-1 GB14048.5	200-240V	1.6					—		
		380-440V	0.95					—		
	约定发热电流 Conventional Thermal Current Ith:(A)		16					—		
电寿命(AC-3)百万次Electrical Life(Million Times)			见曲线图 Refer to Page 48					0.6		
机械寿命(百万次)Mechanical Life(Million Times)			6					5		

电路特性与安装接线 Circuits Characteristic and Terminal Connection

连接线路 Connection Circuits	型号 Type	CJX2-40	CJX2-50	CJX2-65	CJX2-80	CJX2-95	CJX2-115	CJX2-150	CJX2-170
线圈电压 Coil Voltage (V)	AC 50Hz/60Hz	24, 36, 48, 110, 220, 230, 240, 380, 400, 415, 440							
动作特性范围 Acting Range	吸合特性（热态） Attraction(Hot)	(85%～110%)Us;+40℃							
	释放特性（冷态） Release(Cold)	AC:(20%～75%)Us,DC:(10%～75%)Us;-5℃							
安装 Installation		35mm导轨、75mm导轨或螺钉（M5）固定 35mm, 75mm DIN rail or screw（M5）							
主回路连接线 Control Circuit Connection		最小/最大 截面积（mm）² Min./Max. sectional area							
不带端子软线 Flexible wire (without terminal)	1根导线 1wire	2. 5/25	2. 5/25	2. 5/25	4/50	4/50	10/120		
	2根导线 2wires	2. 5/16	2. 5/16	2. 5/16	4/25	4/25	10/120+10/50		
带端子软线 Flexible wire (with terminal)	1根导线 1wire	2. 5/25	2. 5/25	2. 5/25	4/50	4/50	10/120		
	2根导线 2wires	2. 5/10	2. 5/10	2. 5/10	4/16	4/16	10/120+10/50		
不带端子的硬线 Hard wire (without terminal)	1根导线 1wire	2. 5/25	2. 5/25	2. 5/25	4/50	4/50	10/120		
	2根导线 2wires	2. 5/16	2. 5/16	2. 5/16	4/25	4/25	10/120+10/50		

CJX2-K 微型接触器

正常工作条件和安装条件Normal working conditions and installation conditions

- 周围空气温度为：−5℃～+40℃，24小时内其平均值不超过+35℃。
- 海拔高度：不超过2000m。
- 大气条件：在最高温度+40℃时，空气相对湿度不超过50％；在较低温度下可以允许有较高的相对湿度，例如20℃时达90％。对由于温度变化偶尔产生的凝露应采取特殊的措施。
- 污染等级：3级。
- 安装类别：Ⅲ类。
- 安装条件：安装面与垂直面倾斜度不大于±30°。
- 冲击振动：产品应安装和使用在无显著摇动、冲击和振动的地方。

- Temperature: -5°C - +40°C, average temperature not exceed +35°C in 24 hours.
- Altitude: not exceed 2000m.
- Air Condition: At the mountain site, relative humidity not exceed 50% at the max temperature of +40°C. Higher relative humidity is allowable under lower temperature.
- Pollution Grade: Grade III.
- Mounting Condition: The inclination between te mounting plane and the vertical plane shall not exceed ±30°.
- mpact shock: The product shall be installed and operated at a place without obvious shake, impact and vibration.

主要参数及技术性能 Main parameter and technical characteristic

- 接触器的主要规格：
- 按电流等级分为：6A、9A。
- 按接触器线圈额定控制电源电压频率分为：交流：50Hz、60Hz，50Hz/60Hz。
- 按接触器线圈额定控制电源电压大小分为：交流：24V、48V、110V、127V、220V、380V等。
- 按极数分为：三极、四极。
- 接触器的主要技术性能指标(见表)。
- 动作特性：吸合电压：(85％～110％)Us、释放电压：(20％～75％)Us。
- 三极接触器有一组常开或常闭辅助触头。

- Main specifications of contactor:
- Current class: 6A, 9A.
- Coil rated voltage frequency :AC 50HZ，60HZ, 50HZ/60HZ.
- Coil rated voltage :AC 24V, 48V, 110V, 127V, 220V, 380V etc.
- Pole: 3P, 4P.
- Main technical performance indexes of contactor(refer to the following table).
- Performance characteristic: Pull-in voltage (85% to 110%) US, release voltage: (20% to 75%) US.
- A tripole contactor has a set of normally open or normally close auxiliary contacts.

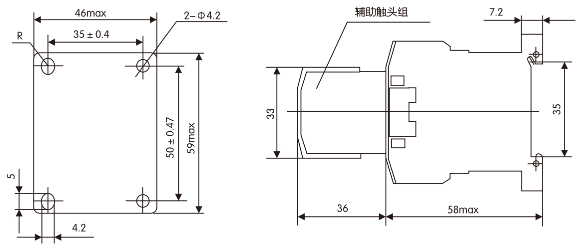
技术参数Technical Parameters

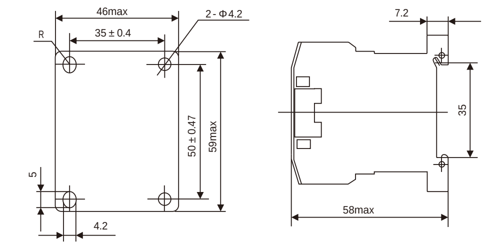
型号 Type	交流接触器 AC Contactor		CJX2-K06	CJX2-K09	CJX2-K12	CJX2-K16
	直流接触器 DC Contactor		CJX2-K06Z	CJX2-K09Z	CJX2-K12Z	CJX2-K16Z
	可逆接触器 Reversing Contactor		CJX2-K06N	CJX2-K09N	CJX2-K12N	CJX2-K16N
额定功率 Rated Power kW/HP(AC-3) IEC60947-4-1 GB14048.4		200-240V	1.5/2	2.2/3	3/4	4/5.5
		380-440V	2.2/3	4/5.5	5.5/7.5	7.5/10
		500-550V	3/4	4/5.5	4/5.5	5.5/7.5
		660-690V	3/4	4/5.5	4/5.5	4/5.5
额定电流 Rated Current A(AC-3) IEC60947-4-1 GB14048.4		200-240V	7	9	12	16
		380-440V	6	9	12	16
		500-550V	5	6	7	9
		660-690V	4	5	5	5
约定发热电流Conventional Thermal Current Ith:(A)			20	20	20	20
额定绝缘电压Rated Insulated Voltage Ui:(V)			690			
辅助触头 Auxiliary Contact AC-15	触头构成 Contact Arrangement	标准Standard	1NO			
		特殊Special	—			
	额定电流 Rated Current A(AC-15) IEC60947-5-1 GB14048.5	200-240V	1.6			
		380-440V	0.95			
	约定发热电流 Conventional Thermal Current Ith:(A)		16			
电寿命(AC-3)百万次Electrical Life(Million Times)			1			
机械寿命(百万次)Mechanical Life(Million Times)			8			

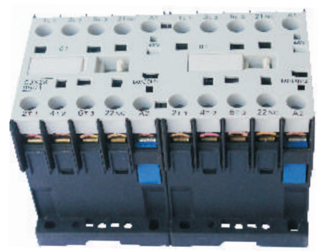
电路特性与安装接线

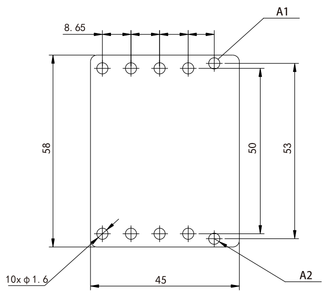
连接线路 Connection Circuits	型号 Type					
		交流接触器 AC Contactor	CJX2-K06	CJX2-K09	CJX2-K12	CJX2-K16
		直流接触器 DC Contactor	CJX2-K06Z	CJX2-K09Z	CJX2-K12Z	CJX2-K16Z
		可逆接触器 Reversing Contactor	CJX2-K06N	CJX2-K09N	CJX2-K12N	CJX2-K16N
线圈电压 Coil Voltage (V)	AC 50Hz/60Hz		24, 36, 48, 110, 220, 230, 240, 380, 400, 415, 440			
	DC		24, 110, 220			
动作特性范围 Acting Range	吸合特性（热态） Attraction(Hot)		(85%～110%)Us;+40℃			
	释放特性（冷态） Release(Cold)		AC:(20%～75%)Us,DC:(10%～75%)Us;-5℃			
安装 Installation			35mm导轨或螺钉（M4）固定 35mm DIN rail or screw (M4)			
接线 Connection	主触点 Main Contact		螺钉（M3） 线径：1~4mm² Screw (M3) Wire: 1~4mm²			
	辅助触点/线圈 Aux. Contact / Coil		螺钉（M3）压线式端子 Screw（M3）line-pressed terminal			

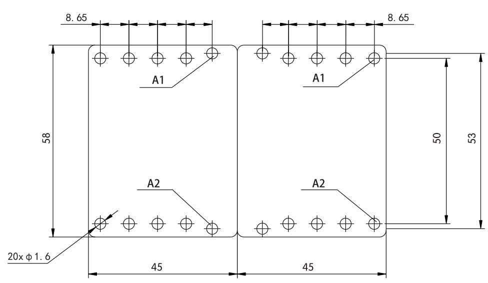
外形及安装尺寸 Outline and Installation Dimensions











CJX2-N 可逆接触器

应用范围 Applicable Range

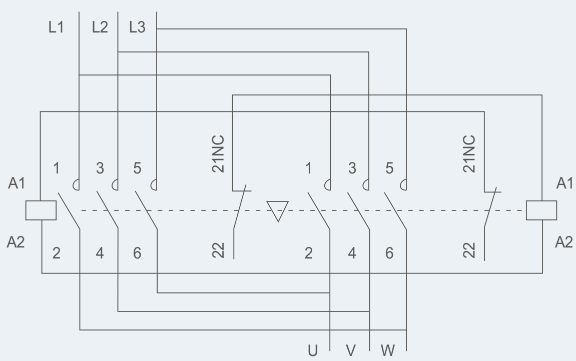
CJX2-N可逆接触器适用于交流50Hz或60Hz，电压至660V电力、直流电压220V，电流至95A以下的电路中，作电动机可逆控制用。它的机联锁机构，保证了两台可逆接触器触头转换的工作可靠。

CJX2-N AC reversing contactor is suitable to use in the circuit with 50/60Hz, voltage up to 660V,DC voltage 220V rated current up to 95A for reversing control.The mechanical lock make the work reliable for reversing two contactors.

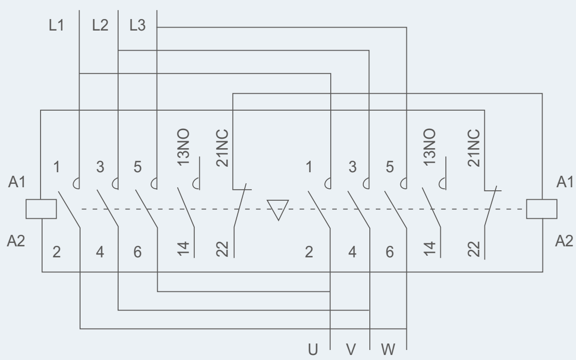
主要技术参数 Main Technical Parameter

型号 Type	额定工作电流 Maximum Rated Current	控制功率(kW) Controlled Power					辅助触头数量 Auxiliary Contacts
	380V,AC-3(A)	220V	380V	415V	440V	660V	
CJX2-09N	9	2.2	4	4	4	5.5	可选Optional
CJX2-12N	12	5.5	5.5	5.5	5.5	7.5	可选Optional
CJX2-18N	18	7.5	7.5	9	9	11	可选Optional
CJX2-25N	25	5.5	11	11	11	15	可选Optional
CJX2-32N	32	7.5	15	15	15	18.5	可选Optional
CJX2-40N	40	18.5	18.5	22	22	30	可选Optional
CJX2-50N	50	15	22	25	30	33	可选Optional
CJX2-65N	65	18.5	30	37	37	37	可选Optional
CJX2-80N	80	22	37	45	45	45	可选Optional
CJX2-95N	95	22	45	45	45	45	可选Optional

线路图 Circuits Diagram



CJX2-09N~32N



CJX2-40N~95N

CJX2–Z 直流接触器

应用范围 Applicable Range

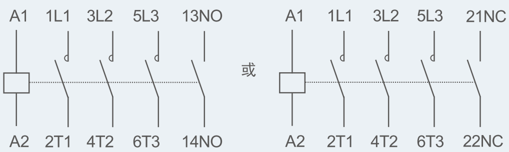
CJX2-Z系列直流接触器，适用于电压至DC550V以下直流电路中，作为接通和分断电路负载之用，能够充分满足电力机车，内燃机车和电动车组，电路控制系统的特殊要求。广泛适用于直流电力控制，蓄电瓶回路，电容回路等控制系统中。

CJX2-Z DC Contactor is mainly used in the DC control circuit under DC550V. It works as to connect and break off the circuit load,which can fully meet the special demand of electric locomotive,diesel locomotive and electric motor car group. It is widely used in the control system of DC electric control, storage battery circuit and capacitance circuit.

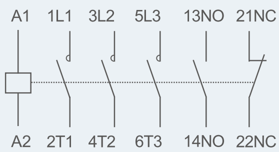
主要技术参数 Main Technical Parameter

型号Type		CJX2 -09Z	CJX2 -12Z	CJX2 -18Z	CJX2 -25Z	CJX2 -32Z	CJX2 -40Z	CJX2 -50Z	CJX2 -65Z	CJX2 -80Z	CJX2 -95Z
额定功率 Rated Power kW/HP(AC-3) IEC60947-4-1 GB14048.4	200-240V	2.2/3	3/4	4/5.5	5.5/7.5	7.5/10	11/15	15/20	18.5/25	22/30	25/35
	380-440V	4/5.5	5.5/7.5	7.5/10	11/15	15/20	18.5/25	22/30	30/40	37/50	45/60
	500-550V	5/7	7.5/10	9/12	1 /20	18.5/25	30/40	37/50	37/50	45/60	45/60
	660-690V	5.5/7.5	7.5/10	10/13.5	15 /20	18.5/25	30/40	37/50	37/50	45/60	45/60
约定发热电流 Conventional Thermal Current Ith:(A)		25	25	32	40	50	60	80	80	110	130

线路图 Circuits Diagram



CJX2-09Z~32Z



CJX2-40Z~95Z

CJ19 切换电容接触器

应用范围 Applicable Range

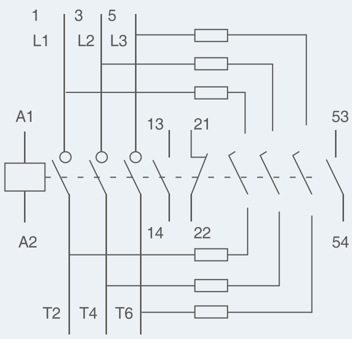
CJ19 系列切换电容接触器适用于交流50H或60Hz，电压至380V电力线路中，供低压无功功率补偿电路中投入或切换低压电力电容器控制设备使用。接触器带有抑制涌流装置，能有效地减少合闸涌流对电容器的冲击和抑制断时的过电压。

CJ19 switching capacitor type contactor is used in power network of AC 50Hz or 60Hz,voltage up to 380V,for operating or switching LV capacitor control device in LV reactive power circuit.With antisurge device,it can reduce impact of closing surge and prevent from overload as breaking.

主要技术参数 Main Technical Parameter

参数Parameter / 型号Type		CJ19-25	CJ19-32	CJ19-43	CJ19-63	CJ19-95	CJ19-115	CJ19-150	CJ19-170
可控电容器容量 Controllable Capacitor Capacity (Kvar)	220V	6	9	10	15	28.8(240V)	34.5(240V)	46(240V)	52(240V)
	380V	12	18	20	30	50(400V)	60(400V)	80(400V)	90(400V)
额定绝缘电压 Rated Insulated Voltage(V)		500					690		
额定工作电压 Rated Operating Voltage(V)		220/240, 380/400							
约定发热电流 Stipulated Heating Current(A)		25	32	43	63	95	200	200	275
额定工作电流AC-6b 400V A Rated Working Current AC-6b and 400V A		17	23	29	43	72.2(400V)	87(400V)	115(400V)	130(400V)
抑制电容器合闸涌流的能力 Prevention Capacity on Closing Surge		20Ie							
控制电源电压(V) Control Supply Voltage		110,127,220,380							
辅助触头、约定发热电流(A) Auxiliary Contacts, Stipulated Heating Current		10							
最高操作频率(次/小时) Highest Operating Frequency(Time/Hour)		120							
电寿命 Electrical Life(10^4times)		10					2		
机械寿命 Mechanical Life(10^4times)		100					20		

线路图 Circuits Diagram



CJ19-25~170

JZC4 接触器式中间继电器

应用范围 Applicable Range

JZC4系列接触器式中间继电器主要用在交流50HZ(或60Hz)的控制电路中，可在380V电压、交流220V的电压下控制各种电磁回路,增强信号和传输信号。产品符合 GB14048. IEC60947-4-1标准。

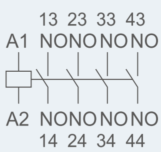
JZC4 series contactor type relay is used in the control circuit with AC 50Hz or (60Hz),voltage up to 380V and AC voltage up to 220V to control various kinds of electromagnetic loop, enhance the signal and transmit the signal.

The product conforms to the GB14048.4, IEC60947-4-1 standards.

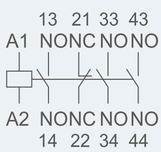
主要技术参数 Main Technical Parameter

型号Type / 参数 Parameter				
	交流 AC	JZC4-40	JZC4-31	JZC4-22
	直流 DC	JZC4-40Z	JZC4-31Z	JZC4-22Z
触头构成 Contacts Arrangement		4NO	3NO+1NC	2NO+2NC
额定绝缘电压 Rated Insulated Voltage(V)		690		
约定发热电流 Stipulated Heating Current(A)		10		
额定工作电流 Rated Operating cCurrent(A)		6		
电寿命 Electrical Life(Milliom Time)		1		
机械寿命 Mechanical Life(Milliom Time)		8		
最高操作频率(次/小时) Highest Operating Frequency(Time/Hour)		2/S		

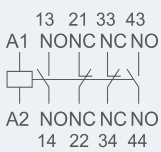
线路图 Circuits Diagram



JZC4-40(Z)



JZC4-31(Z)



JZC4-22(Z)

CJX2-004 四极交流接触器

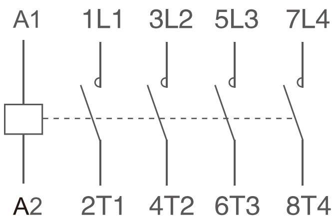
主要技术参数 Main Technical Parameter

型号 Type			CJX2-09004	CJX2-12004	CJX2-25004	CJX2-40004	CJX2-50004	CJX2-65004	CJX2-80004	CJX2-95004
	4NO		CJX2-09004	CJX2-12004	CJX2-25004	CJX2-40004	CJX2-50004	CJX2-65004	CJX2-80004	CJX2-95004
	2NO+2NC		CJX2-09008	CJX2-12008	CJX2-25008	CJX2-40008	CJX2-50008	CJX2-65008	CJX2-80008	CJX2-95008
主电路Main circuit										
极数 Pole			4极/4P							
额定绝缘电压(Ui) Rated Insulated Voltage(V)		V	690							
额定工作电压(Ue) Rated Operating Voltage(V)		V	690							
约定发热电流(Ith) Stipulated Heating Current(A)			25	25	40	60	80	80	125	125
额定工作电流 Rated Working Current(A)	AC-3,380/400V	A	9	12	25	40	50	65	80	95
	AC-3,660/690V	A	6.6	8.9	18.0	34.0	39.0	42.0	49.0	49.0
	AC-4,380/400V	A	3.3	5.0	8.5	18.5	24.0	28.0	37.0	44.0
	AC-4,660/690V	A	1.5	2.0	4.4	9.0	12.0	14.0	17.3	21.3
额定工作功率(Pe) Rated Power kW/HP(AC-3)	AC-3,380/400V	kw	4.0	5.5	11.0	18.5	22.0	30	37.0	45.0
	AC-3,660/690V	kw	5.5	7.5	15.0	30.0	33.0	37.0	45.0	45.0
	AC-4,380/400V	kw	1.2	2.2	4	7.5	11.0	15.0	18.5	22.0
	AC-4,660/690V	kw	1.1	1.5	4.0	7.5	11.0	11.0	15.0	18.5
机械寿命 Mechanical Life		万次 10 thousand times	1000			800			600	
电气寿命 Electrical Life	AC-3	万次 10 thousand times	100			80			60	
	AC-4	万次 10 thousand times	20			15			10	
操作频率 Operational Frequency	AC-3	次/时 times/hour	1200			600				
	AC-4	次/时 times/hour	300			300				
配用熔断器型号 Equipped With Fuse Protrctor			RT16-25	RT16-25	RT16-50	RT16-63	RT16-80	RT16-80	RT16-125	RT16-125
接线能力 Connection capacity		mm^2	1.5	1.5	4	10	16	16	25	35
线圈 Coli										
额定控制电路电压(Us) Rated control circuit voltage	50Hz	V	24、36、110、220、380							
	50/60Hz	V	24、36、110、220、380							
允许控制回路电压(Us) Allowed control circuit voltage	运行 Operation	V	85%~110% Us							
	释放 Release OFF	V	20%~75% Us							
线圈功耗 Coil power dissipation	吸合 Attraction ON	VA	70		110	200				
	保持 Keep	VA	9		11	24				
	功耗 Power dissipation	W	2.7		4	10				
端子接线能力 Connection capacity of wiring terminal										
软线不带接线端子 Flexible wire (without terminal)	1根导线 1 wire	mm^2	1…4		1.5…6	2.5…25			4…50	
	2根导线 2 wires	mm^2	1…4		1.5…6	2.5…16			4…25	
软线 带接线端子 Flexible wire (with terminal)	1根导线 1 wire	mm^2	1…4		1…6	2.5…25			4…50	
	2根导线 2 wires	mm^2	1…2.5		1…4	2.5…10			4…16	
硬线不带接线端子 Stiff cable (without terminal)	1根导线 1 wire	mm^2	1…4		1.5…6	2.5…25			4…50	
	2根导线 2 wires	mm^2	1…4		1.5…6	2.5…10			4…25	

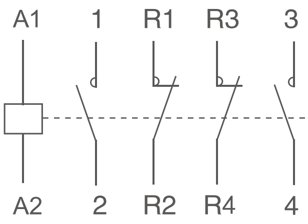
安装尺寸示意图

线路图Circuits Diagram

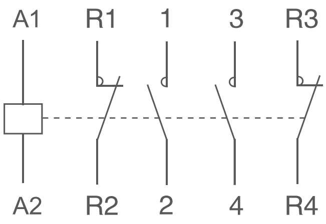
■ CJX2-09004~95004



■ CJX2-09008~25008

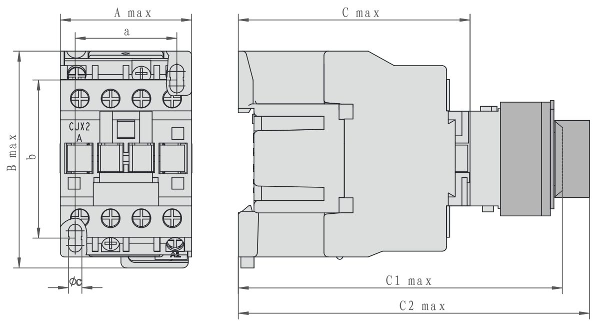


■ CJX2-40008~95008

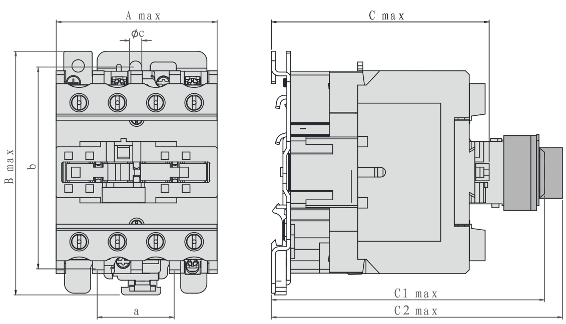


外形及安装尺寸Outline and Installation Dimensions

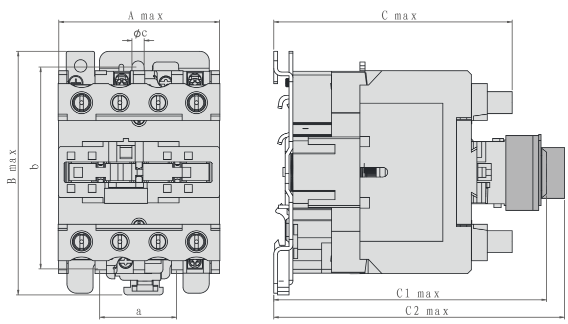
■ CJX2-09004~25004、CJX2-09008~25008



■ CJX2-40004~95004



■ CJX2-40008~95008



单位：mm

型号Type	A max	B max	C max	C1 max	C2 max	a	b	c
CJX2-09004、09008、12004、12008	47	76	82	115	134	35	50/60	4.5
CJX2-25004、25008	58	86	96	130	149	40	50/60	4.5
CJX2-40004、50004、65004	85	128	116	149	168	40	100/110	6.5
CJX2-40008、50008、65008	85	128	126	149	168	40	100/110	6.5
CJX2-80004、95004	96	128	127	160	179	40	100/110	6.5
CJX2-80008、95008	96	128	136	160	179	40	100/110	6.5

注：C1max——接触器 + F4；C2max——接触器 + LA2

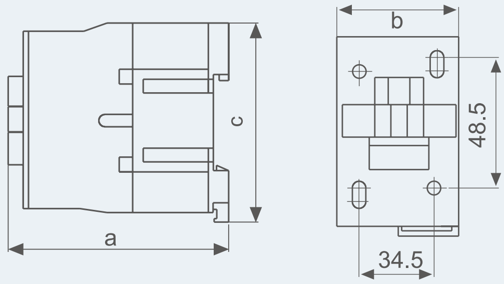
Note: C1max – contactor + F4, C2max – contactor + LA2

Dimensions(mm)

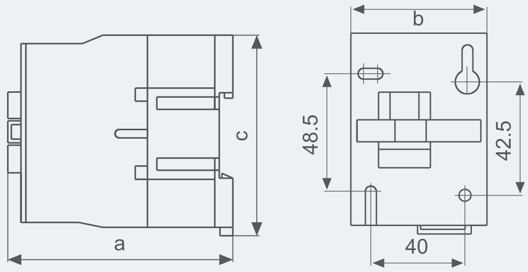
安装尺寸示意图

CJX2-(Z)交(直)流接触器 AC（DC） Contactor

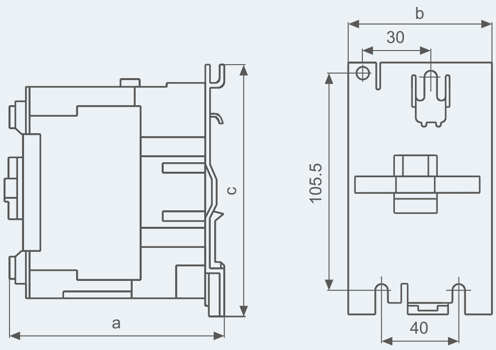
型号 Type	a	b	c
CJX2-09(Z)	82(116)	47	76
CJX2-12(Z)	82(116)	47	76
CJX2-18(Z)	87(122)	47	76



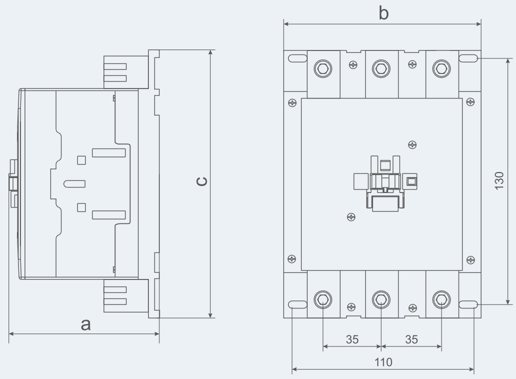
型号 Type	a	b	c
CJX2-25(Z)	95(131)	57	86
CJX2-32(Z)	100(138)	57	86



型号 Type	a	b	c
CJX2-40(Z)	116(173)	77	129
CJX2-50(Z)	116(173)	77	129
CJX2-65(Z)	116(173)	77	129
CJX2-80(Z)	127(188)	87	129
CJX2-95(Z)	127(188)	87	129



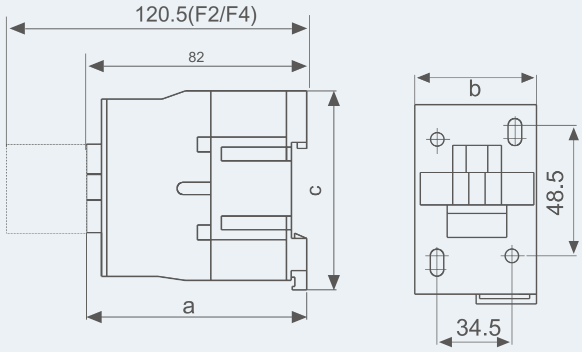
型号 Type	a	b	c
CJX2-115	118	120	154
CJX2-150	118	120	154



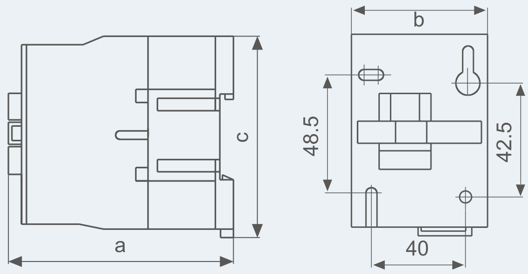
安装尺寸示意图

CJX2系列四极交流接触器及中间继电器 AC Contactor 4-Pole and Intermediate Relay

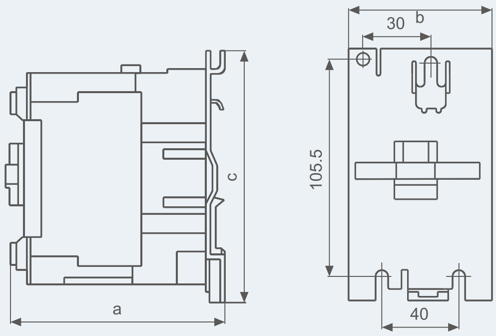
型号 Type	a	b	c
CJX2-09004	82	47	76
CJX2-12004	82	47	76
JZC4-22	82	47	76
JZC4-31	82	47	76
JZC4-40	82	47	76



型号 Type	a	b	c
CJX2-25004	95	57	86
CJX2-32004	100	57	86



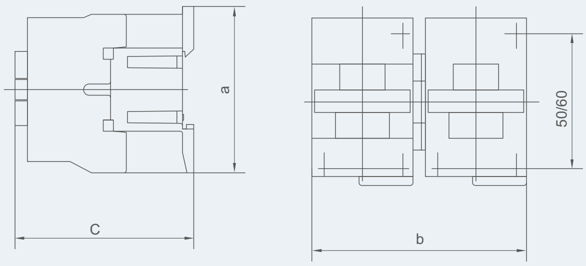
型号 Type	a	b	c
CJX2-40004	116	84	129
CJX2-50004	116	84	129
CJX2-65004	116	84	129
CJX2-80004	122	96	129
CJX2-95004	122	96	129



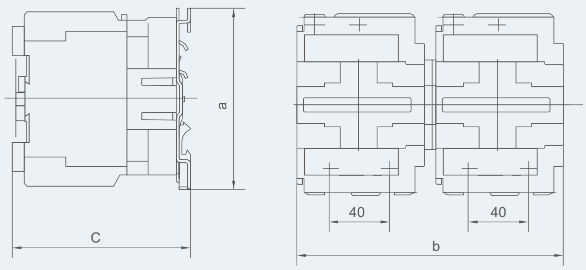
安装尺寸示意图

CJX2-N可逆接触器 Reversing Contactor

型号 Type	a	b	c
CJX2-9N	78	105	82
CJX2-12N	78	105	82
CJX2-18N	78	105	87
CJX2-25N	90	125	95
CJX2-32N	90	125	100



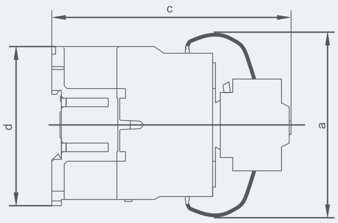
型号 Type	a	b	c
CJX2-40N	129	165	116
CJX2-50N	129	165	116
CJX2-65N	129	165	116
CJX2-80N	129	185	127
CJX2-95N	129	185	127

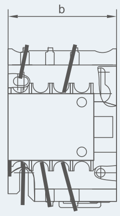


安装尺寸示意图

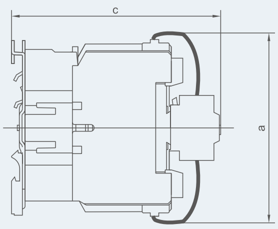
CJ19切换电容接触器 Switchover Capacitor Contactor

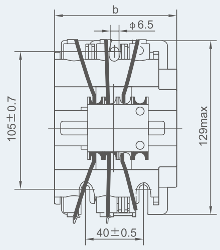
型号 Type	a	b	c	d
CJ19-25	80	47	124	76
CJ19-32	90	58	132	86
CJ19-43	90	58	136	86



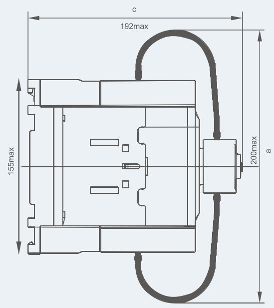


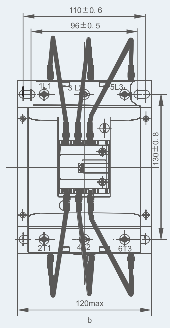
型号 Type	a	b	c
CJ19-63	132	79	150
CJ19-95	135	87	158





型号 Type	a	b	c
CJ19-115	200	120	192
CJ19-150	200	120	192
CJ19-170	200	120	192





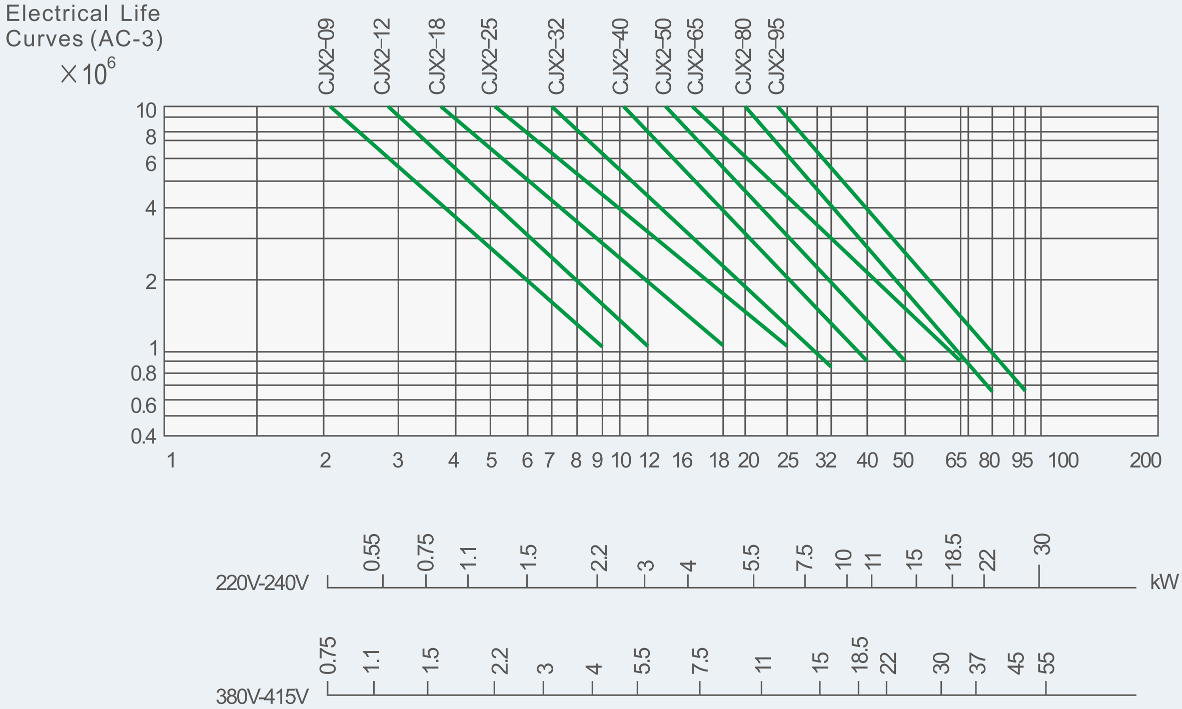
接线与安装 Wiring and Installation

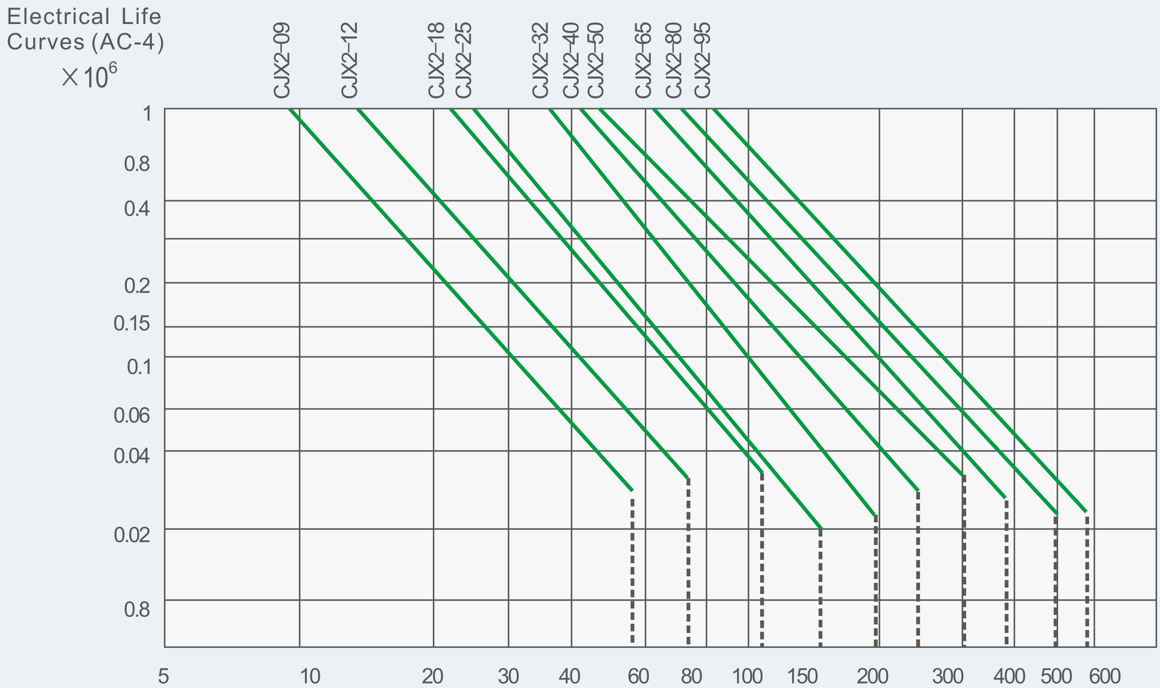
- 接线端子由绝缘罩覆盖，安装操作是安全可靠。
- CJ19-25~43，除螺丝安装外，还可用35mm导轨安装。
- CJ19-63~95，除螺丝安装外，还可用35mm及75mm导轨安装。
- CJ19-115~170，除螺丝安装外，还可用两根35mm导轨安装。

- The connection terminals are protected through insulation cover, which is reliable and secure for installation and operation.
- For CJ19-25~43, not only fixed by screws but also could be fixed with 35mm DIN rail.
- For CJ19-63~95, not only fixed by screws but also could be fixed with 35mm and 75mm DIN rail.
- For CJ19-115~170, screws are available for installation, as well as two 35mm DIN rail.

电气寿命曲线图

CJX2-09~95





CJX2–F 交流接触器

技术参数 Technical Parameters

型号 Type		CJX2-F115	CJX2-F150	CJX2-F185	CJX2-F225	CJX2-F265	CJX2-F330
额定工作电流 Rated Current	Ie max AC-3 (Ue≤440V)	115A	150A	185A	225A	265A	330A
	Ie max AC-1 (θ≤40℃)	200A	250A	275A	315A	350A	400A
主触头数(常开) Main Contacts(NO)		3、4	3、4	3、4	3、4	2、3、4	2、3、4
额定绝缘电压(Ui) Rated Insulated Voltage		1000V	1000V	1000V	1000V	1000V	1000V
额定冲击耐受电压(Uimp) Rated Impulse Withstand Voltage		8kV	8kV	8kV	8kV	8kV	8kV
额定工作电压(Ue)max Rated Operational Voltage		1000V	1000V	1000V	1000V	1000V	1000V
符合标准 Standards-compliant		IEC60947-4-1, GB14048.4, EN60947-4-1					
约定发热电流Ith(θ≤40℃) Conventional Thermal Current		200A	250A	275A	315A	350A	400A
操作频率(次/h) Operation Frequency	AC-1，AC-2，AC-3	1200	1200	1200	1200	1200	600
	AC-4	300A	300A	300A	300A	300A	300A
额定功率AC-3类别 Rated Power (AC-3)	220/240V	30kW	40kW	55kW	63kW	75kW	100kW
	380/400V	55kW	75kW	90kW	110kW	132kW	160kW
	415V	59kW	80kW	100kW	110kW	140kW	180kW
	440V	59kW	80kW	100kW	110kW	140kW	200kW
	500V	75kW	90kW	110kW	129kW	160kW	200kW
	660/690V	80kW	100kW	110kW	129kW	160kW	220kW
	1000V	65kW	65kW	100kW	100kW	147kW	160kW
连接/配线 Connection /Wiring 动作电压 Operation Voltage (θ≤55℃)	线排数Number of Lines 线排尺寸Line Size(mm²)	2 20×3	2 25×3	2 25×3	2 32×3	2 32×4	2 30×5
	带有接片的线缆(mm²) Cable with Splicing	95	120	150	185	240	240
	带有连接器线缆(mm²) Cable with Connector	95	120	150	185	240	—
	螺钉直径 Screw Diameter	Φ6	Φ8	Φ8	Φ10	Φ10	Φ10
紧固扭矩(N.m) Tightening Torque		10	18	18	35	35	35
配用的熔断器(SCPD) Equipped With Fuse Protector	型号 Type	RT16-2 250A	RT16-2 355A	RT16-3 425A	RT16-3 500A	RT16-3 630A	RT16-3 800A

CJX2-F 交流接触器

技术参数 Technical Parameters

型号 Type		CJX2-F400	CJX2-F500	CJX2-F630	CJX2-F780	CJX2-F800
额定工作电流 Rated Current	Ie max AC-3 (Ue≤440V)	400A	500A	630A	780A	800A
	Ie max AC-1 (θ≤40℃)	500A	700A	1000A	1600A	1000A
主触头数(常开) Main Contacts(NO)		2、3、4	2、3、4	2、3、4	2、3、4	3
额定绝缘电压(Ui) Rated Insulated Voltage		1000V	1000V	1000V	1000V	1000V
额定冲击耐受电压(Uimp) Rated Impulse Withstand Voltage		8kV	8kV	8kV	8kV	8kV
额定工作电压(Ue)max Rated Operational Voltage		1000V	1000V	1000V	1000V	1000V
符合标准 Standards-compliant		IEC60947-4-1, GB14048.4, EN60947-4-1				
约定发热电流Ith(θ≤40℃) Conventional Thermal Current		500A	700A	1000A	1600A	1000A
操作频率(次/h) Operation Frequency	AC-1，AC-2，AC-3	600	600	600	600	600
	AC-4	300	300	300	300	300
额定功率AC-3类别 Rated Power (AC-3)	220/240V	110kW	147kW	200kW	220kW	220kW
	380/400V	200kW	250kW	335kW	400kW	400kW
	415V	220kW	280kW	375kW	425kW	425kW
	440V	250kW	295kW	400kW	425kW	425kW
	500V	257kW	355kW	400kW	450kW	450kW
	660/690V	280kW	335kW	450kW	475kW	475kW
	1000V	185kW	335kW	450kW	450kW	450kW
连接/配线 Connection /Wiring	线排数Number of Lines 线排尺寸Line Size(mm^2)	2 30×5	2 40×5	2 60×5	2 100×5	2 60×5
	带有接片的线缆(mm^2) Cable with Splicing	2×150	2×240	—	—	—
动作电压 Operation Voltage (θ≤55℃)	带有连接器线缆(mm^2) Cable with Connector	—	—	—	—	—
	螺钉直径 Screw Diameter	Φ10	Φ10	Φ12	Φ12	Φ12
紧固扭矩(N.m) Tightening Torque		35	35	58	58	58
配用的熔断器(SCPD) Equipped With Fuse Protector	型号 Type	RT16-3 800A	RT16-3 1000A	RT16-3 1250A	RT16-3 1600A	RT16-3 2500A

CJX2-F 四极交流接触器

四极交流接触器 AC Contactor 4-Pole

型号 Type	额定工作电流(AC-3) Rated Current 400V	标准三相电动机的额定功率值(50/60Hz)AC-3(kW) Rated Power of Three-phase Motor						
		220V 230V	380V 400V	415V	440V	500V	660V 690V	1000V
CJX2-F1154	115	30	55	59	59	75	80	65
CJX2-F1504	150	40	75	80	80	90	100	65
CJX2-F1854	185	55	90	100	100	110	110	100
CJX2-F2254	225	63	110	110	110	129	129	100
CJX2-F2654	265	75	132	140	140	160	160	147
CJX2-F3304	330	100	160	180	200	200	220	160
CJX2-F4004	400	110	200	220	250	257	280	185
CJX2-F5004	500	147	250	280	295	355	335	335
CJX2-F6304	630	200	335	375	400	400	450	425
CJX2-F7804	780	220	400	425	425	450	475	450

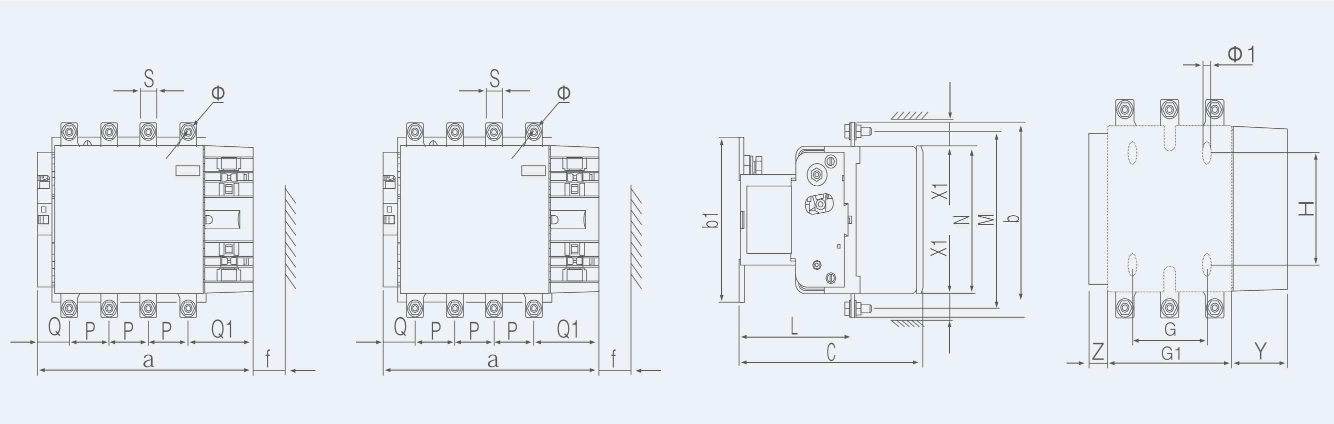
可逆接触器 Reversing Contactors

型号 Type	额定工作电流(AC-3) Rated Current 400V	标准三相电动机的额定功率值(50/60Hz)AC-3(kW) Rated Power of Three-phase Motor						
		220V 230V	380V 400V	415V	440V	500V	660V 690V	1000V
CJX2-F115N	115	30	55	59	59	75	80	65
CJX2-F150N	150	40	75	80	80	90	100	65
CJX2-F185N	185	55	90	100	100	110	110	100
CJX2-F225N	225	63	110	110	110	129	129	100
CJX2-F265N	265	75	132	140	140	160	160	147
CJX2-F330N	330	100	160	180	200	200	220	160
CJX2-F400N	400	110	200	220	250	257	280	185
CJX2-F500N	500	147	250	280	295	355	335	335
CJX2-F630N	630	200	335	375	400	400	450	425
CJX2-F800N	800	220	450	425	425	450	475	450

Dimensions(mm)

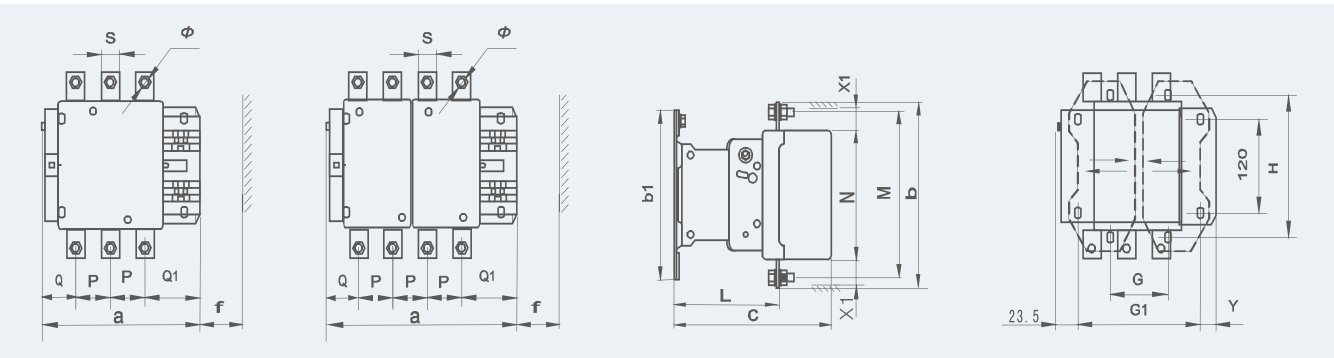
安装尺寸示意图

CJX2F115\1154-330\3304



CJX2F	a	P	Q	Q1	S	ϕ	f	b	b1	M	N	C	L	G	H	ϕ1	G1	Z	Y	X1	
																				500V≤	>500V
115	163.5	37	29.5	60	15	M6	131	162	137	147	124	171	107	80	120-106	6.5	106	13.5	44	10	15
1154	200.5	37	29.5	60	15	M6	131	162	137	147	124	171	107	80	120-106	6.5	143	13.5	44	10	15
150	163.5	40	26	57.5	20	M8	131	170	137	150	124	171	107	80	120-106	6.5	106	13.5	44	10	15
1504	200.5	40	25	55.5	20	M8	131	170	137	150	124	171	107	80	120-106	6.5	143	13.5	44	10	15
185	168.5	40	29	59.5	20	M8	130	174	137	154	127	181	113.5	80	120-106	6.5	111	13.5	44	10	15
1854	208.5	40	29	59.5	20	M8	130	174	137	154	127	181	113.5	80	120-106	6.5	151	13.5	44	10	15
225	168.5	48	21	51.5	25	M10	130	197	137	172	127	181	113.5	80	120-106	6.5	111	13.5	44	10	15
2254	208.5	48	17	47.5	25	M10	130	197	137	172	127	181	113.5	80	120-106	6.5	151	20.5	44	10	15
265	201.5	48	39	66.5	25	M10	147	203	145	178	147	213	141	96	120-106	6.5	140	20.5	38	10	15
2654	244.5	48	34	66.5	25	M10	147	203	145	178	147	213	141	96	120-106	6.5	186	20.5	38	10	15
330	213	48	43	74	25	M10	147	206	145	181	158	219	145	96	120-106	6.5	154.5	20.5	38	10	15
3304	261	48	43	74	25	M10	147	206	145	181	158	219	145	96	120-106	6.5	202.5	20.5	38	10	15

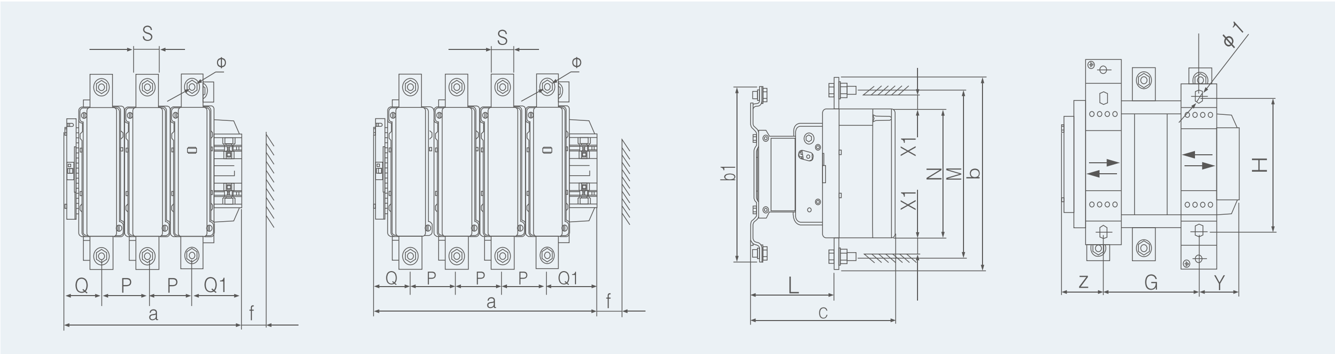
CJX2F400\4004\500\5004



CJX2F	a	P	Q	Q1	S	ϕ	f	b	b1	M	N	C	L	G	G1	H	ϕ1	Y	X1	
																			500V≤	>500V
400	213	48	43	74	25	M10	151	206	209	181	158	219	145	80(66-102)	170(156-192)	180	8.5	19.5	15	20
4004	261	48	43	74	25	M10	151	206	209	181	158	219	145	80(66-150)	170(156-240)	180	8.5	67.5	15	20
500	233	50	46	77	30	M10	169	238	209	208	172	232	146	80(66-120)	170(156-210)	180	8.5	39.5	15	20
5004	288	50	46	77	30	M10	169	238	209	208	172	232	146	140(66-175)	230(156-265)	180	8.5	39.5	15	20

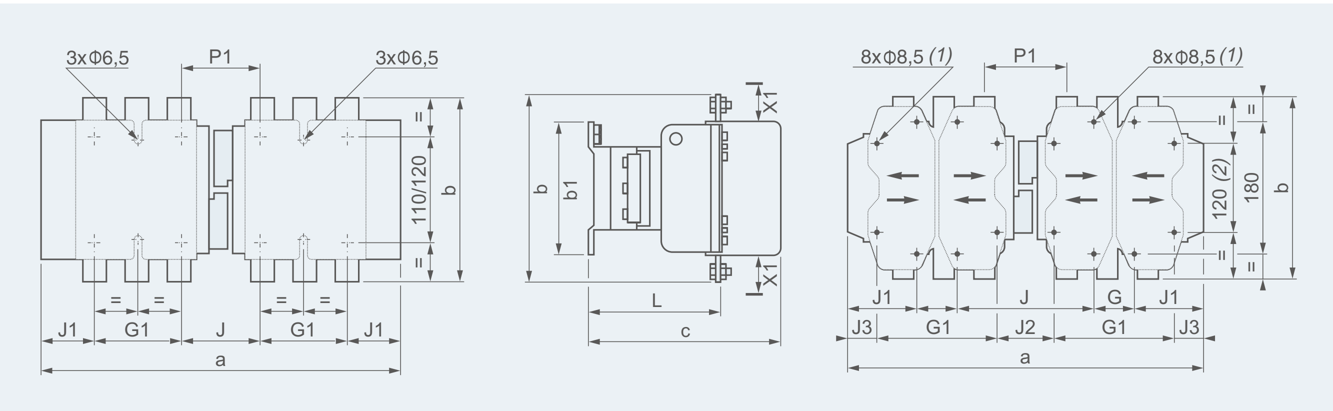
安装尺寸示意图

CJX2F630\6304\800



CJX2F	a	P	Q	Q1	S	φ	f	b	b1	M	N	C	L	G	H	φ1	Z	Y	X1	
																			500V≤	>500V
630	309	80	60	89	40	M12	201	304	280	264	202	255	155	180(100-195)	185	10.5	60.5	68.5	20	25
6304	309	80	60	89	40	M12	201	304	280	264	202	255	155	240(150-275)	185	10.5	60.5	68.5	20	25
800	309	80	60	89	40	M12	201	304	280	264	202	255	155	180(100-195)	185	10.5	60.5	68.5	20	25

CJX2F115N\1154N-800N



CJX2-F/N	a	b	b1	c	G	G1	J	J1	J2	J3	L	P1
115	345	162	137	171	-	80	71	57	-	-	107	77
1154	419	162	137	171	-	80	108	75.5	-	-	107	77
150	345	170	137	171	-	80	71	57	-	-	107	71
1504	422	170	137	171	-	80	111	75.5	-	-	107	71
185	357	174	137	181	-	80	78	59.5	-	-	113.5	78
1854	437	174	137	181	-	80	118	79.5	-	-	113.5	78
225	357	197	137	181	-	80	78	59.5	-	-	113.5	62
2254	437	197	137	181	-	80	118	79.5	-	-	113.5	54
265	425	203	145	213	-	96	109	61.5	-	-	141	100
2654	521	203	145	213	-	96	157	85.5	-	-	141	100
330	447	206	145	219	-	96	124	65.5	-	-	145	107
3304	543	206	145	219	-	96	172	89.5	-	-	145	107
400	446	206	209	219	80	170	157	64.5	67	19.5	145	107
4004	542	206	209	219	80	170	157	112.5	67	67.5	145	107
500	485	238	209	232	80	170	156	84.5	66	39.5	146	112
5004	595	238	209	232	140	230	156	79.5	66	34.5	146	112
630	636	304	280	255	180	-	139	68.5	-	-	155	137
6304	796	304	280	255	240	-	139	68.5	-	-	155	137
800	636	304	280	255	180	-	139	68.5	-	-	155	137

(1)除了CJX2 F630和F800： 4 x Φ10.5 Except CJX2 F630 and F800 ：4 x Φ 10.5.

(2)除了CJX2 F630和F800 Except CJX2 F630 and F800.

JR28 热过载继电器

型号及其含义Type and Signification

JR28 — 13

① ②

① 热继电器系列代号 Relay Series Code

② 电流等级Current Class

适用范围 Application Range

JR28-□□系列热过载继电器适用于交流50Hz或60Hz，电压至660V，电流至95A及以下电路，作电路和电动机的过载、断相、电动启动时间过长和堵转时间过长的保护用，有差动机构和温度补偿环节，整定电流可调，有自动或手动复位供选择，可与CJX2交流接触器配装，也可独立安装使用。

JR28- □□ series thermal overload relay is used in the power network of AC 50Hz or 60Hz,voltage up to 660V,current of 95A and below, it protects the circuit and electromotor from overload, phase loss, long starting duration, and long blocking duration. With the differential mechanism, temperature compensation ,adjustable setting current, and optional auto or manual resetting, it can be working individually or assembled with CJX2 AC contactor.

动作特性：三相负载平衡时的动作时间
Action Characteristic:the Action Time as Three-Phase Balanced

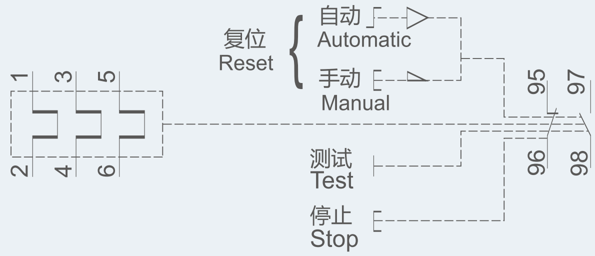
整定电流倍数 Setting current multiple	动作时间 Action time	起始条件 Starting condition	环境温度 Ambient temperature
1.05	＞2h	冷态 Cold	20±5℃
1.2	＜ 2h	热态 Hot	
1.5	＜2min		
7.2	2s＜Tp≤10s	冷态 Cold	

断相动作性能 Action Characteristic of Phase-Loss

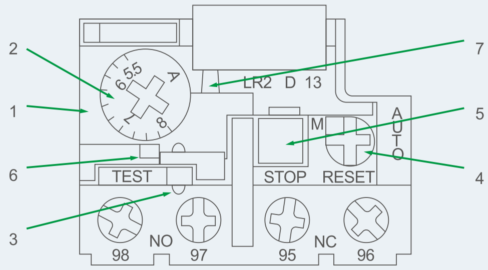
整定电流倍数 Setting current multiple		动作时间 Action time	起始条件 Starting condition	环境温度 Ambient temperature
任意二相 Any two phase	第三相 Third phase			
1.0	0.9	≥2h	冷态 Cold	20±5℃
1.15	0	＜2h	热态 Hot	

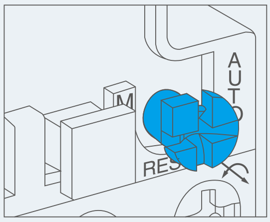
JR28 热过载继电器

图示 Diagram

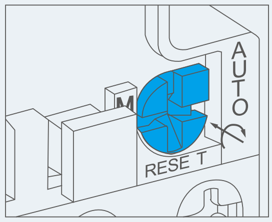


热继电器的特殊功能 Thermal Overload Relay Special Function





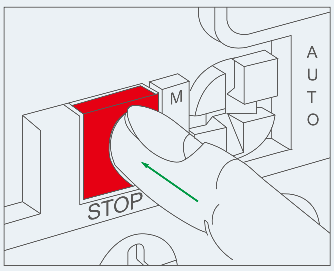
"手动复位"Manual Reset



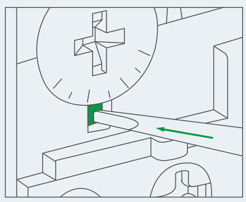
"自动复位"Automatic reset

- 抬起透明盖1，以便进行整定和控制；
- 转动以安培为刻度单位的刻度盘2，进行调节；
- 整定后可以用盖子上的锁件3予以锁定。
- Open the transparent cover 1, to adjust and control.
- Turn around the dial which Calibration unit in Amp and adjust it.
- After finish setting, lock it with cover tools 3

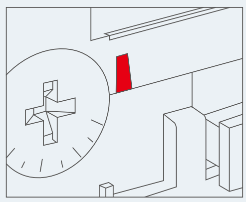
- 抬起透明盖后，复位类型可通过转动蓝色“复位”选择器4进行选择：
  — 向左转动，复位为手动
  — 按下，再向右转动，复位为自动。
  这样选择器就停在自动位置上，只有将其向左转动，才会释放回手动位置。
- 放下盖，选择器被锁定
- 按下蓝色“复位”钮可实现继电器手动复位。
- Open the transparent cover, Choose reset model by turning the blue Reset” selector 4
  — turn left, reset by manual
  — press down, then turn right, reset by automatic.
  So the selector will stop in automatic place, only turn it left, it will back to the manual place.
- Put down the cover, the selector will be locked.
- Press blue “Reset” button, the relay will take the manual reset.



"停止按钮"
Stop Button



“测试按钮” Test Button



“脱扣指示器” Trip Indicator

- 按红色“停止”钮5可实现“停止功能”；
- 按“停止”按钮：
  — 使N/C触头动作
  — 对N/O触头无影响
- Press the red “Stop” button 5 will achieve“Stop function”
- Press “Stop” button:
  — N/C in action
  — No influence to N/O

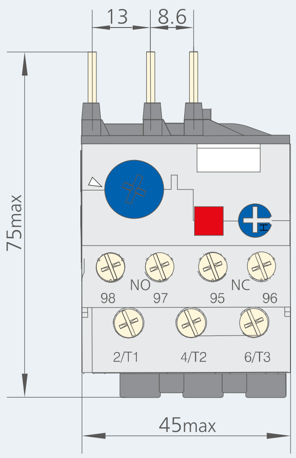
- 用螺丝刀按“红色”测试钮6，实现“测试”功能；
- 测试”按钮可模拟继电器脱扣，并且：
  — 使N/O、N/C触头动作，
  — 使脱扣指示器7动作。
- Press red test button 6 by screwdriver, to achieve TEST function.
- Test button can simulate the relay tripping, and:
  — The N/O, N/C contact in action.
  — Make the trip indicator 7 in action.

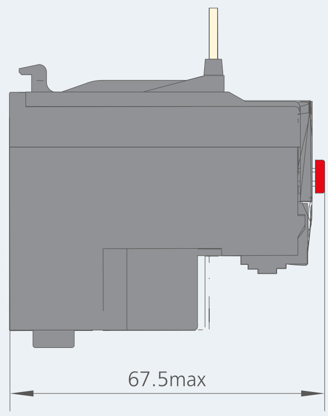
JR28 热过载继电器

技术参数 Technical Parameters

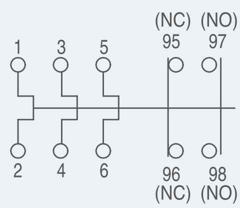
型号 Type	JR28-K06		
复位方式Return Mode	手动或自动复位Manual or Auto Return		
电流设定范围 Current Setting Range	调整范围 Setting Range(A)		
	0.1-1.6	0.63-1	4-6
	0.16-0.25	1-1.6	5.5-8
	0.25-0.4	1.6-2.5	7-10
	0.4-0.63	2.5-4	9-13
辅助触头构成Contact Arrangement	1NO+1NC		
配套接触器 Model of Matching Contactors	CJX2-K06,CJX2-K09,CJX2-K12,CJX2-K16		

安装尺寸示意图 Dimensions(mm)





线路图 Circuits Diagram



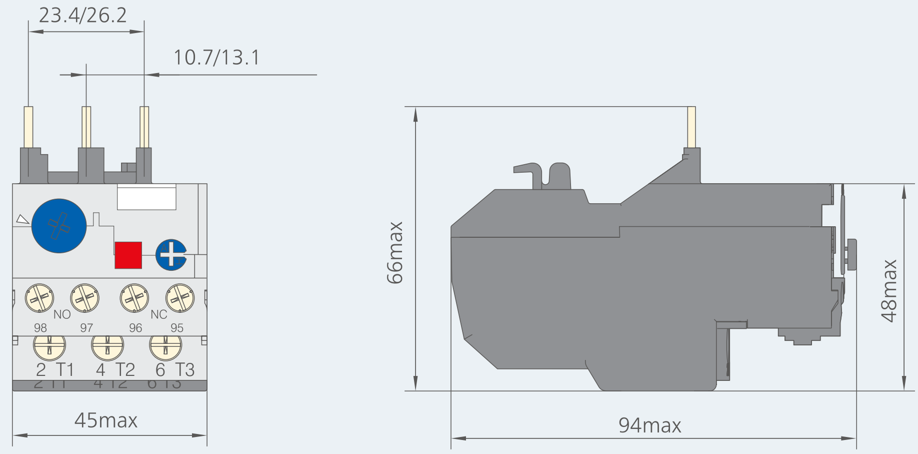
JR28-K06
JR28-13/23/33

JR28 热过载继电器

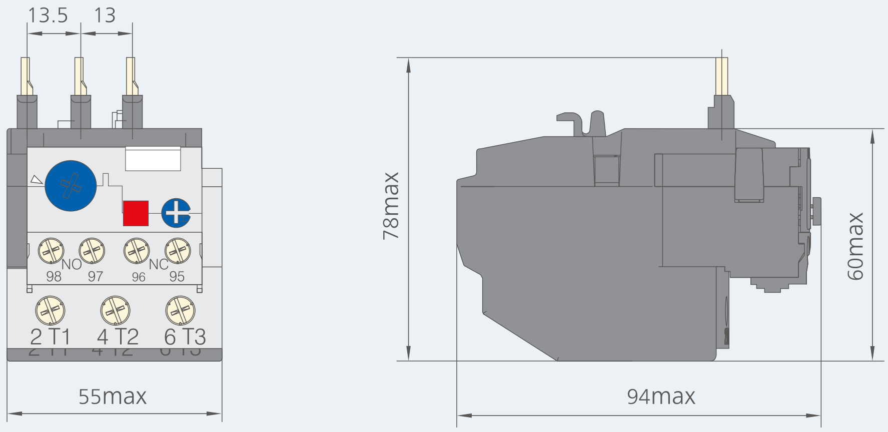
技术参数 Technical Parameters

型号 Type	JR28-13	JR28-23
复位方式Return Mode	手动或自动复位Manual or Auto Return	
电流设定范围 Current Setting Range	调整范围 Setting Range(A)	调整范围 Setting Range(A)
	0.1-0.16 1-1.6 5.5-8 23-32 0.16-0.25 1.25-2 7-10 0.25-0.4 1.6-2.5 9-13 0.4-0.63 2.5-4 12-18 0.63-1 4-6 17-25	23-32 28-36
辅助触头构成Contact Arrangement	1NO+1NC	
配套接触器 Model of Matching Contactors	CJX2-09,CJX2-12,CJX2-18,CJX2-25,CJX2-32	CJX2-25,CJX2-32

安装尺寸示意图 Dimensions(mm)



JR28-13



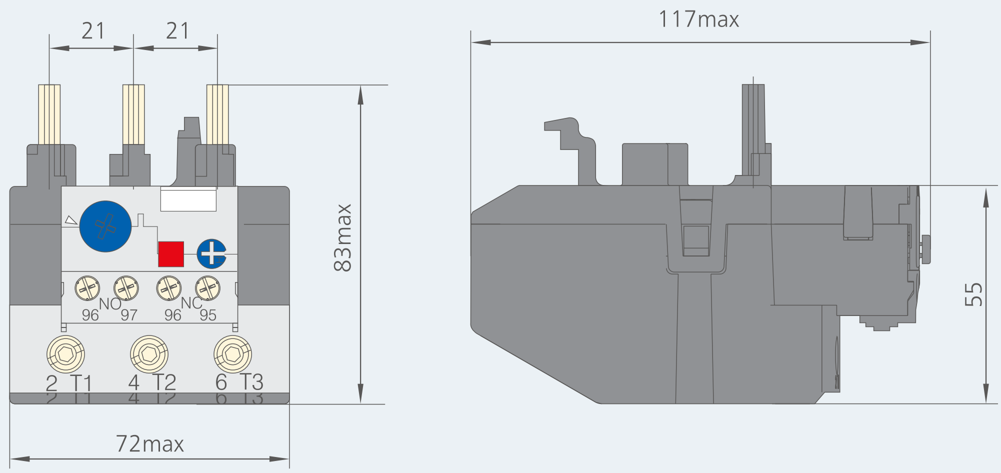
JR28-23

JR28 热过载继电器

技术参数 Technical Parameters

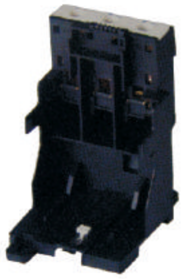
型号 Type	JR28-33
复位方式Return Mode	手动或自动复位Manual or Auto Return
电流设定范围 Current Setting Range	调整范围 Setting Range(A) 30-40　55-70 37-50　63-80 48-65　80-93
辅助触头构成Contact Arrangement	1NO+1NC
配套接触器 Model of Matching Contactors	CJX2-40，CJX2-50，CJX2-65，CJX2-80，CJX2-95

安装尺寸示意图 Dimensions(mm)



JR28-33

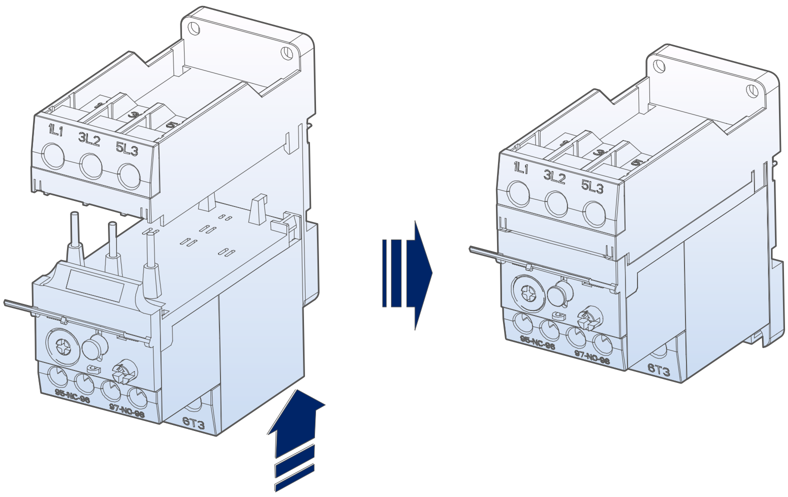
CJX2 独立安装单元



- 当继电器和接触器分开时用来独立安装继电器，可在35mm导轨上安装或螺钉安装.
  These accessories are used to mount the relays separately from contactors.
  It can be mounted with a 35mm DIN rail or by screw.

适用热继电器 Suitable Thermal Overload Relay	型号 Type
JR28-13	SAZ1-13
JR28-23	SAZ1-23
JR28-33	SAZ1-33

组合图 Combination Chart



LR9-F

型号及其含义Type and Signification

LR9 — F□□

① 热继电器系列代号 Relay Series Code

② 电流等级Current Class

适用范围 Application Range

LR9-F□□ 系列热过载继电器适用于交流50Hz或60Hz，电压至660V，电流至630A及以下电路，供交流电动机热保作用。并且有差动机构和温度补偿环节，可与CJX2-F交流接触器装配，也可独立安装。

LR9-F□□series thermal relay is suitable for using in the circuits rated voltage up to 660V rated current 630A AC 50Hz or 60Hz, for over-voltage protection of AC motor. The relay has the differential mechanism and temperature compensation. It can be used with CJX2-F AC contactor, or can be used alone.

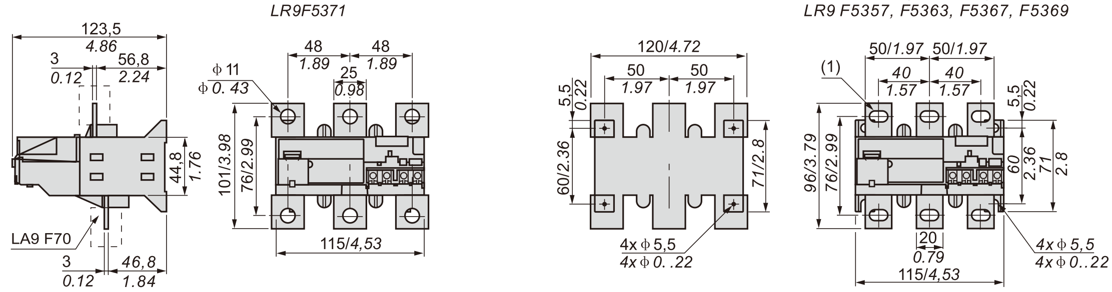
技术参数 Technical Parameters

型号 Type	编号 Number	额定电流范围（A） Setting range(A)	相配接触器型号 For contactor
LR9-F□□	5357	30-50	CJX2-F115-185
	5363	40-80	CJX2-F115-185
	5367	60-100	CJX2-F115-185
	5369	90-150	CJX2-F115-185
	5371	132-220	CJX2-F225-265
LR9-F□□	7375	200-330	CJX2-F225-500
	7379	300-500	CJX2-F225-500
	7381	380-630	CJX2-F225-630

安装尺寸示意图 Dimensions(mm)

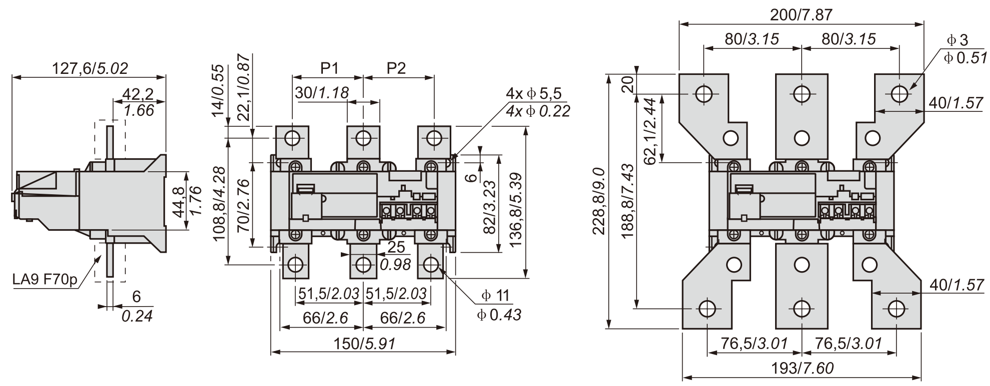
LR9F5 • 5371
LR9F5371

LR9 F5· 5357, F5· 5363, F5· 5367, F5· 5369
LR9 F5357, F5363, F5367, F5369

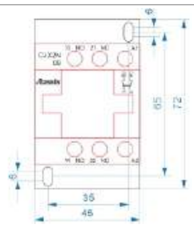
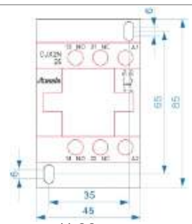


LR9F7· 7375, F7· 7379, F7· 7381,
LR9 F7375, F7379, F7381

LR9 F7· 7381 (LC1 F630/F800)
LR9F7381



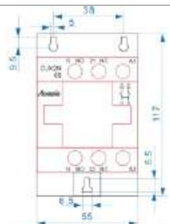
CJX2N 交流接触器

型号 Type			CJX2N-09	CJX2N-12	CJX2N-18	CJX2N-25	CJX2N-32
额定功率 Rated Power kW/HP(AC-3) IEC60947-4-1 GB14048.4		200-240V	2.2/3	3/4	4/5.5	5.5/7.5	7.5/10
		380-440V	4/5.5	5.5/7.5	7.5/10	11/15	15/20
		500-550V	5/7	7.5/10	9/12	15/20	18.5/25
额定电流 Rated Current A(AC-3) IEC60947-4-1 GB14048.4		200-240V	11	15	22	30	40
		380-440V	9	12	18	25	32
		500-550V	7	9	12	18	21
约定发热电流Conventional Thermal Current Ith:(A)			18	18	25	40	40
额定绝缘电压Rated Insulated Voltage Ui:(V)			690				
辅助触头 Auxiliary Contact AC-15	触头构成 Contact Arrangement	标准Standard	1NO+1NC				
		特殊Special	—				
	额定电流 Rated Current A(AC-15) IEC60947-5-1 GB14048.5	200-240V	1.6				
		380-440V	0.95				
	约定发热电流 Conventional Thermal Current Ith:(A)		16				
电寿命(AC-3)百万次Electric Life(Million Times)			1				
机械寿命(百万次)Mechanical Life(Million Times)			5				
安装尺寸图 External Dimensions(mm) H(height)			 H:85mm			 H:90mm	

热过载继电器
THERMAL OVERLOAD RELAY

型号 Type	LRD-13	
复位方式Return Mode	手动或自动复位Manual or Auto return	
整定值可调整范围 Adjustment	整定值 Nominal Rating(A)	调整范围 Setting Range(A)
	0.16 0.25 0.4 0.63 1 1.6 2 2.5 4 6 8 10 13 18 25	1-1.6 5.5-8 1.25-2 7-10 1.6-2.5 9-13 2.5-4 12-18 4-6.3 17-25
辅助触头构成Contact Arrangement	1NO+1NC	

CJX2N 交流接触器

型号 Type		CJX2N-40	CJX2N-50	CJX2N-65
额定功率 Rated Power kW/HP(AC-3) IEC60947-4-1 GB14048.4	200-240V	11/15	15/20	18.5/25
	380-440V	18.5/25	22/30	30/40
	500-550V	30/40	37/50	37/50
额定电流 Rated Current A(AC-3) IEC60947-4-1 GB14048.4	200-240V	50	60	75
	380-440V	40	50	65
	500-550V	34	39	42
约定发热电流Conventional Thermal Current Ith:(A)		60	80	80
额定绝缘电压Rated Insulated Voltage Ui:(V)		690		
辅助触头 Auxiliary Contact AC-15 — 触头构成 Contact Arrangement	标准Standard	1NO+1NC		
	特殊Special	—		
辅助触头 Auxiliary Contact AC-15 — 额定电流 Rated Current A(AC-15) IEC60947-5-1 GB14048.5	200-240V	1.6		
	380-440V	0.95		
辅助触头 Auxiliary Contact AC-15 — 约定发热电流 Conventional Thermal Current Ith:(A)		16		
电寿命(AC-3)百万次Electric Life(Million Times)		1		
机械寿命(百万次)Mechanical Life(Million Times)		5		
安装尺寸图 External Dimensions(mm) H(height)		 H:121mm		

QCX2 电磁起动器

型号及其含义 Type and Signification

QCX2 — 9

①: QCX2
②: 9

① 电磁启动器系列代号 Magnetic Starter Series Code
② 额定工作电流Rated Operating Current

适用范围 Application Range

QCX2-□□ 系列电磁启动器适用于交流50Hz/60Hz、额定工作电压至380V，额定工作电流至95A的电路中。用作控制三相鼠笼型电动机启动、停止之用，并对电动机的平衡过载或断相起保护作用；

QCX2-□□series magnetic starter mainly be applicable to the AC circuits of 50Hz/60Hz under rated voltage up to 380V and rated current up to 95A. It is used for controlling the 3-phase squirrel-case type induction motor to operate starting, stop, forward or reverse. And it can protect the motor from overload and interruption.

特点 Characteristics

- 防护等级：IP54，防水、防尘；
  Protection Grade: IP54, water-proof, dust-proof.
- 可配装信号指示灯(如有需要)
  Can be equipped with indicator light(if need)

使用环境条件 Application Condition

- 海拔不超过2000m。
- 周围空气温度为-5℃~+40℃，24小时内其平均值不超过+35℃。
- 大气条件：在+40℃时大气相对湿度不超过50%，在较低温度下可以有较高的相对湿度，最湿月的月平均最低温度不超过+25℃，该月的月平均最大相对湿度不超过90%，由于温度变化发生在产品上的凝露情况必须采取措施。
- 污染等级：3级。
- 安装面与垂直面倾斜度不大于±5°。
- 产品安装和使用在无显著摇动、冲击和振动的地方。

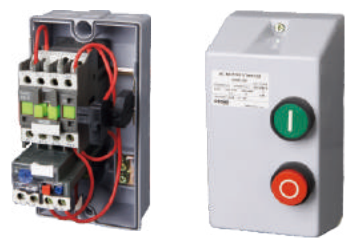
- Altitude: not exceed 2000m
- Temperature: -5℃~+40℃, average not exceed +35℃ in 24 hours
- Air Condition: At the mountain site, relative humidity not exceed 50% at the max temperature of +40℃, higher relative humidity is allowable under lower temperature.
- Pollution Grade: Grade III
- Mounting Condition: The inclination between the mounting plane and the vertical plane shall not exceed 5°.
- The product shall be installed and operated at a place without obvious shake, impact and vibration.

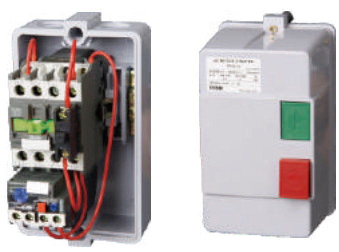
QCX2 电磁起动器

技术参数 Technical Parameters

型号 Type	交流接触器 Selected AC Contactor	热继电器 Thermal Relay	调整范围 Setting Range	额定功率 Rated Power (AC-3)			
				200-240V		380-440V	
				kW	HP	kW	HP
QCX2-09	CJX2-09	JR28-13	0.1-0.16A	0.02	1/38	0.06	1/13
		JR28-13	0.16-0.25A	0.03	1/25	0.09	1/9
		JR28-13	0.25-0.4A	0.06	1/13	0.12	1/6
		JR28-13	0.4-0.63A	0.09	1/9	0.25	1/3
		JR28-13	0.63-1A	0.18	1/4	0.37	1/2
		JR28-13	1-1.6A	0.25	1/3	0.55	3/4
		JR28-13	1.25-2A	0.37	1/2	0.55	3/4
		JR28-13	1.6-2.5A	0.55	3/4	0.75	1
		JR28-13	2.5-4A	0.75	1	1.1	1.5
		JR28-13	4-6A	1.1	1.5	2.2	3
		JR28-13	5.5-8A	1.5	2	3	4
		JR28-13	7-10A	2.2	3	4	5.5
QCX2-12	CJX2-12	JR28-13	9-13A	3	4	4	5.5
QCX2-18	CJX2-18	JR28-13	12-18A	4	5.5	5.5	7.5
QCX2-25	CJX2-25	JR28-13	17-25A	5.5	7.5	7.5	10
QCX2-32	CJX2-32	JR28-13	23-32A	7.5	10	11	15
		JR28-23	28-36A	7.5	10	15	20

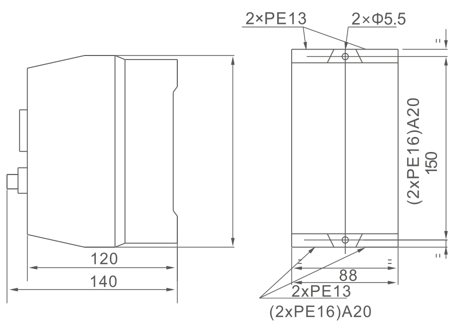
开启式外观
Open Type

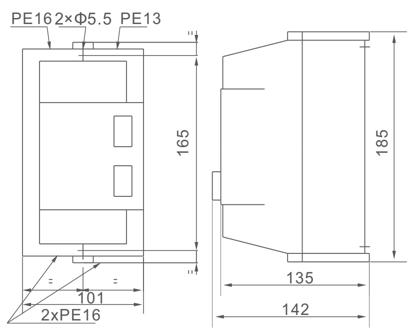




型号 Type	QCX2-09、QCX2-12、QCX2-18	QCX2-25、QCX2-32

安装尺寸图
External Dimensions
(mm)





QCX2 电磁起动器

技术参数 Technical Parameters

型号 Type	交流接触器 Selected AC Contactor	热继电器 Thermal Relay	调整范围 Setting Range	额定功率 Rated Power (AC-3)			
				200-240V		380-440V	
				kW	HP	kW	HP
QCX2-40	CJX2-40	JR28-33	30-40A	11	15	15	20
QCX2-50	CJX2-50	JR28-33	37-50A	15	20	18.5	25
QCX2-65	CJX2-65	JR28-33	48-65A	18.5	25	22	30
QCX2-65	CJX2-65	JR28-33	55-70A	18.5	25	30	40
QCX2-80	CJX2-80	JR28-33	63-80A	22	30	30	40
QCX2-95	CJX2-95	JR28-33	80-93A	25	35	37	50

开启式外观
Open Type

型号 Type: QCX2-40，QCX2-50，QCX2-65，QCX-80，QCX2-95

安装尺寸图
External Dimensions
(mm)