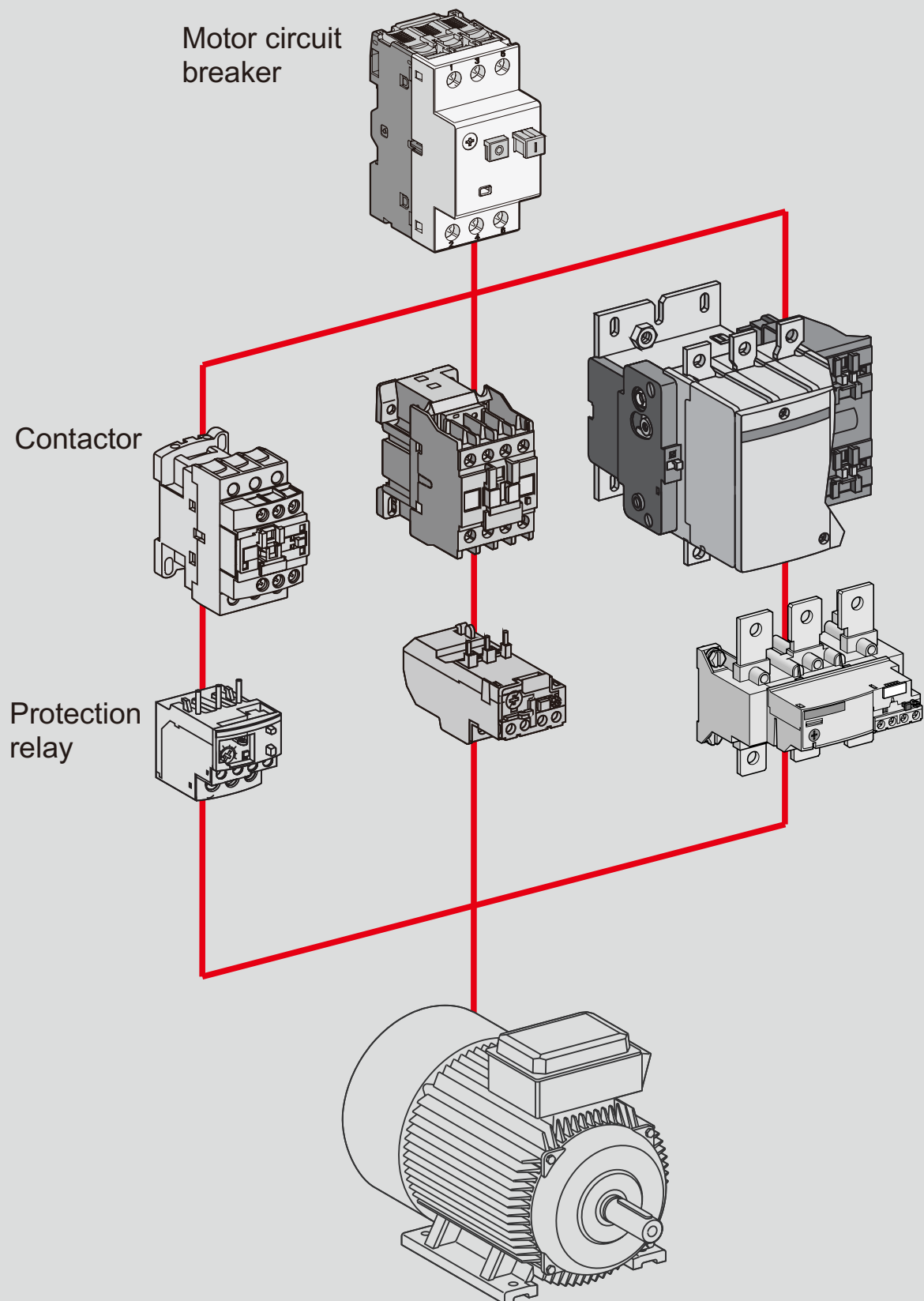


Motor Control and Protection



CJX2

CONTACTOR

1. GENERAL

- 1.1 Certificates: CE;
- 1.2 Electric ratings: AC50/60Hz, 690V, up to 95A;
- 1.3 Application: remote making & breaking circuits, protect circuit from over-load when assembling with thermal over-load relay, frequent start-up and control of AC motor;
- 1.4 Utilization category: AC-3, AC-4;
- 1.5 Altitude: $\leq 2000\text{m}$;
- 1.6 Ambient temperature: $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$;
- 1.7 Mounting category: III;
- 1.8 Mounting conditions: inclination between the mounting plane and the vertical plane should not exceed $\pm 5^{\circ}$;
- 1.9 Standard: IEC/EN 60947-4-1.



2. TECHNICAL DATA

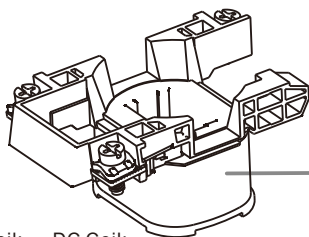
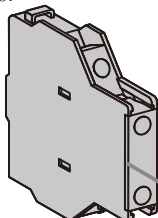
Items	Model		CJX2-09 (Z)	CJX2-12 (Z)	CJX2-18 (Z)	CJX2-25 (Z)	CJX2-32 (Z)
Pole			3 / 4	3 / 4	3	3 / 4	3
Auxiliary Contact			1NO / 1NC	1NO / 1NC	1NO / 1NC	1NO / 1NC	1NO / 1NC
Rated conventional heating current (A) AC-1			20	20	30	40	50
Rated operational current (A)	380/400V	AC-3	9	12	18	25	32
		AC-4	3.5	5	7.7	8.5	12
	660/690V	AC-3	6.6	8.9	12	18	21
		AC-4	1.5	2	3.8	4.4	7.5
Rated insulation voltage (V AC)			690	690	690	690	690
Power of controlled 3-phase cage motor (AC-3)	kW	220/230V AC	2.2	3	4	5.5	7.5
		380/415V AC	4	5.5	7.5	11	15
		660/690V AC	5.5	7.5	10	15	18.5
AC coil (V)			24,36,48,110,127,220,240,380,415,440,480,500,600				
DC coil (V)			24,36,48,110,220				

Items	Model		CJX2-40 (Z)	CJX2-50 (Z)	CJX2-65 (Z)	CJX2-80 (Z)	CJX2-95 (Z)
Pole			3 / 4	3 / 4	3 / 4	3 / 4	3 / 4
Auxiliary Circuit Cat:AC-15,Ue=415V Ie=0.95AIth=10A			1NO+1NC	1NO+1NC	1NO+1NC	1NO+1NC	1NO+1NC
Rated conventional heating current (A) AC-1			60	80	80	125	125
Rated operational current (A)	380/400V	AC-3	40	50	65	80	95
		AC-4	18.5	24	28	37	44
	660/690V	AC-3	34	39	42	49	49
		AC-4	9	12	14	17.3	21.3
Rated insulation voltage (V AC)			690	690	690	690	690
Power of controlled 3-phase cage motor (AC-3)	kW	220/230V AC	11	15	18.5	22	25
		380/415V AC	18.5	22	30	37	45
		660/690V AC	30	37	37	45	45
AC coil (V)			24,36,48,110,127,220,240,380,415,440,480,500,600				
DC coil (V)			24,36,48,110,220				

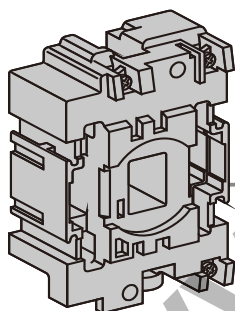
CJX2 CONTACTOR

3.ACCESSORIES

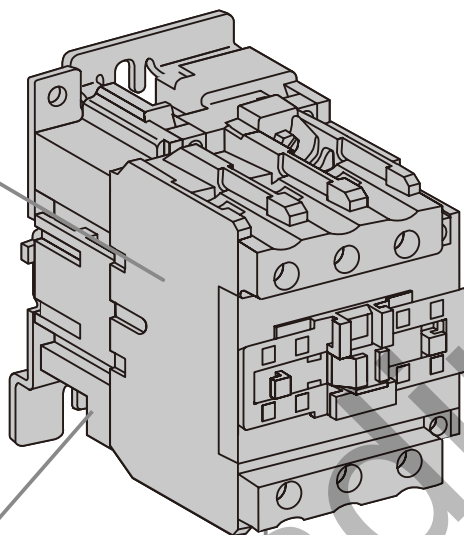
Instantaneous auxiliary
contact blocks:
F8-11
F8-20



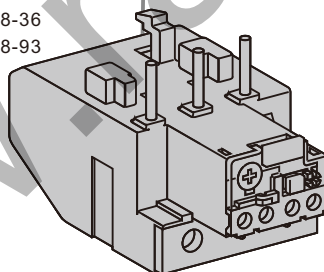
AC Coil: LX1-D2
LX1-D4
LX1-D6
DC Coil: LX4-D2
LX4-D4
LX4-D6
LX4-D7



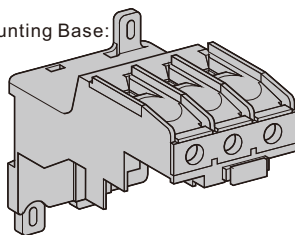
AC Coil:
LX2-D6



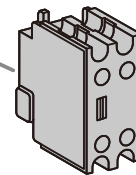
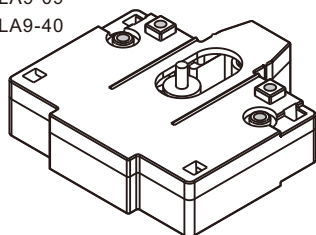
Thermal Relay:
JR28-25
JR28-36
JR28-93



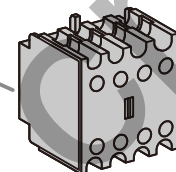
Thermal Relay Mounting Base:
LA7-D1064
LA7-D2064
LA7-D3064



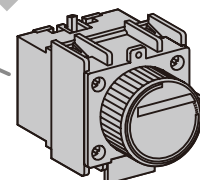
Mechanical interlocking:
LA9-09
LA9-40



Instantaneous auxiliary
contact blocks:
F4-11
F4-20
F4-02

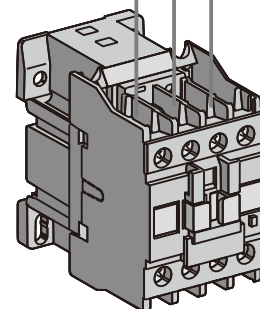
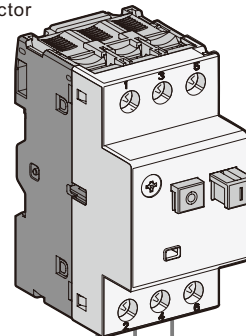


Instantaneous auxiliary
contact blocks:
F4-22
F4-40
F4-04
F4-31
F4-13



Time delay auxiliary
contact blocks:
F5-T0 0.1s~3s
F5-T2 0.1s~30s
F5-T4 10s~180s
F5-D0 0.1s~3s
F5-D2 0.1s~30s
F5-D4 10s~180s

Motor protector
GV2-M
GV2-ME
GV2-RS
GV2-P
GV3-M
GV3-ME



CJX2-F

CONTACTOR

1. GENERAL

- 1.1 Certificates: CE;
- 1.2 Electric ratings: AC50/60Hz, 690V, up to 1000A ;
- 1.3 Application: remote making & breaking circuits, protect circuit from over-load when assembling with thermal over-load relay, frequent start-up and control of AC motor;
- 1.4 Utilization category: AC-3, AC-4;
- 1.5 Altitude: $\leq 2000\text{m}$;
- 1.6 Ambient temperature: $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$;
- 1.7 Mounting category: III;
- 1.8 Mounting conditions: inclination between the mounting plane and the vertical plane should not exceed $\pm 5^{\circ}$;
- 1.9 Standard: IEC/EN 60947-4-1.



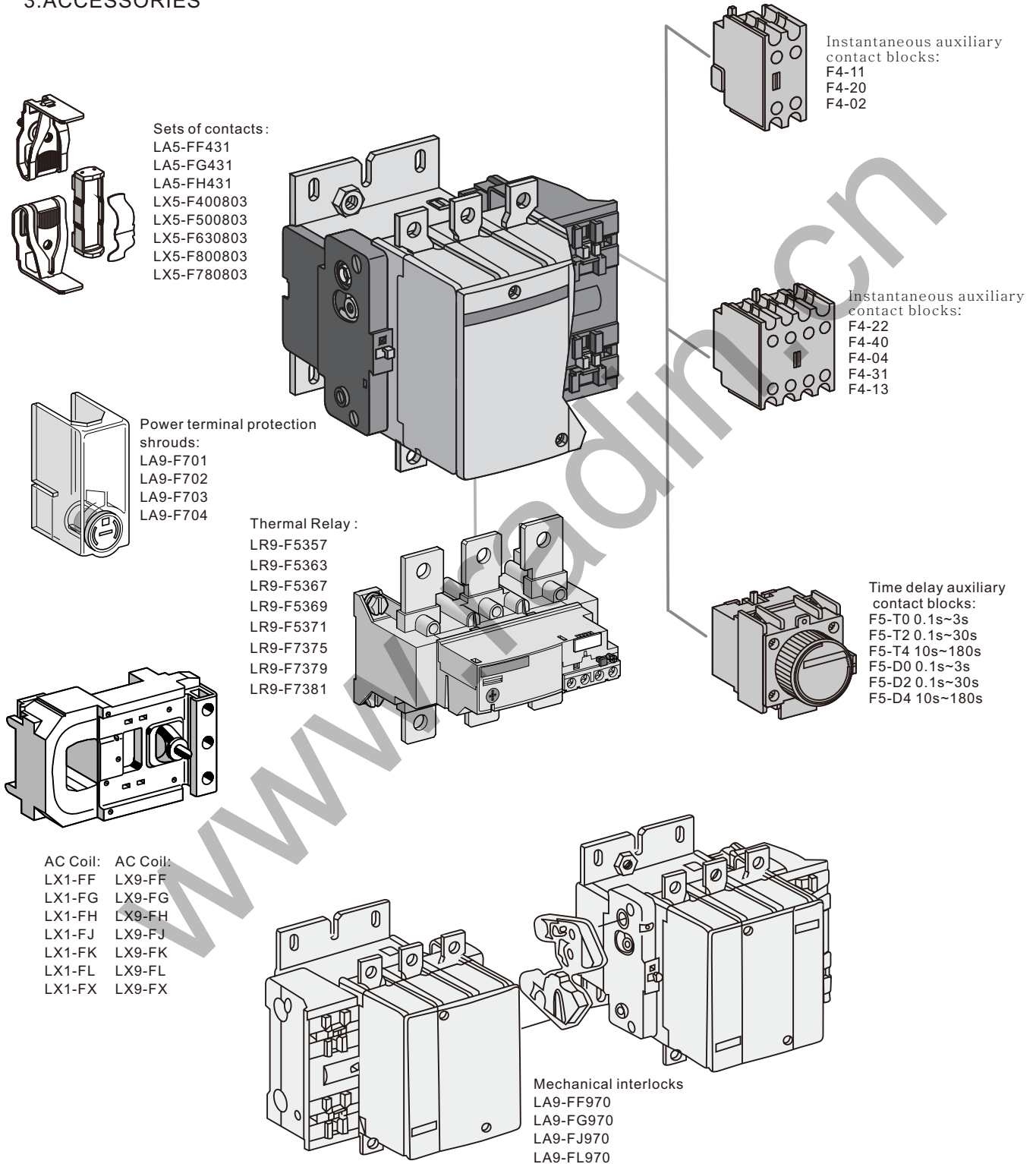
2. TECHNICAL DATA

Items		Model	CJX2-F115	CJX2-F150	CJX2-F185	CJX2-F225	CJX2-F265	CJX2-F330
Pole			3 / 4	3 / 4	3 / 4	3 / 4	3 / 4	3 / 4
Rated conventional heating current (A) AC-1			200	200	275	280	350	360
Rated operational current (A)	380/400V	AC-3	115	150	185	225	265	330
		AC-4	50	65	75	85	100	124
	660/690V	AC-3	70	90	108	115	170	190
		AC-4	25	32	38	40	47	60
		Rated insulation voltage (V AC)		690	690	690	690	690
Power of controlled 3-phase cage motor (AC-3)	kW	380/415V AC	55	75	90	110	132	160
		660/690V AC	80	100	110	140	160	220
AC coil (V)			110,127,220,240,380,415,440,480,500,600					

Items		Model	CJX2-F400	CJX2-F500	CJX2-F630	CJX2-F800	CJX2-F780	CJX2-F1000
Pole			3 / 4	3 / 4	3 / 4	3 / 4	3 / 4	3 / 4
Rated conventional heating current (A) AC-1			430	580	850	850	1200	1200
Rated operational current (A)	380/400V	AC-3	400	500	630	800	780	1000
		AC-4	150	185	188	195	240	-
	660/690V	AC-3	235	290	360	486	-	-
		AC-4	72	85	170	-	-	-
Rated insulation voltage (V AC)			690	690	690	690	690	690
Power of controlled 3-phase cage motor (AC-3)	kW	380/415V AC	200	250	335	400	400	500
		660/690V AC	280	330	450	475	475	670
AC coil (V)			110,127,220,240,380,415,440,480,500,600					

CJX2-F CONTACTOR

3.ACCESSORIES



CJX2-D

CONTACTOR

1. GENERAL

- 1.1 Certificates: CE;
- 1.2 Electric ratings: AC50/60Hz, 690V, up to 620A ;
- 1.3 Application: remote making & breaking circuits, protect circuit from over-load when assembling with thermal over-load relay, frequent start-up and control of AC motor;
- 1.4 Utilization category: AC-3, AC-4;
- 1.5 Altitude: $\leq 2000\text{m}$;
- 1.6 Ambient temperature: $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$;
- 1.7 Mounting category: III;
- 1.8 Mounting conditions: inclination between the mounting plane and the vertical plane should not exceed $\pm 5^{\circ}$;
- 1.9 Standard: IEC/EN 60947-4-1.



2. TECHNICAL DATA

Items		Model	CJX2-D09	CJX2-D12	CJX2-D18	CJX2-D25	CJX2-D32
Pole			3 / 4	3 / 4	3 / 4	3 / 4	3 / 4
Auxiliary Contact			1NO+1NC	1NO+1NC	1NO+1NC	1NO+1NC	1NO+1NC
Rated conventional heating current (A) AC-1			20	20	30	40	50
Rated operational current (A)	380/400V	AC-3	9	12	18	25	32
		AC-4	3.5	5	7.7	8.5	12
	660/690V	AC-3	6.6	8.9	12	18	21
		AC-4	1.5	2	3.8	4.4	7.5
Rated insulation voltage (V AC)			690	690	690	690	690
Power of controlled 3-phase cage motor (AC-3)	kW	220/230V AC	2.2	3	4	5.5	7.5
		380/415V AC	4	5.5	7.5	11	15
		660/690V AC	5.5	7.5	10	15	18.5
AC coil (V)			24,36,48,110,127,220,240,380,415,440,480,500,600				
DC coil (V)			24,36,48,110,220				

Items		Model	CJX2-D40	CJX2-D50	CJX2-D65	CJX2-D80	CJX2-D95
Pole			3 / 4	3 / 4	3 / 4	3 / 4	3 / 4
Auxiliary Circuit Cat:AC-15,Ue=415V Ie=0.95AIth=10A			1NO+1NC	1NO+1NC	1NO+1NC	1NO+1NC	1NO+1NC
Rated conventional heating current (A) AC-1			60	80	80	110	110
Rated operational current (A)	380/400V	AC-3	40	50	65	80	95
		AC-4	18.5	24	28	37	44
	660/690V	AC-3	34	39	42	49	49
		AC-4	9	12	14	17.3	21.3
Rated insulation voltage (V AC)			690	690	690	690	690
Power of controlled 3-phase cage motor (AC-3)	kW	220/230V AC	11	15	18.5	22	25
		380/415V AC	18.5	22	30	37	45
		660/690V AC	30	37	37	45	45
AC coil (V)			24,36,48,110,127,220,240,380,415,440,480,500,600				
DC coil (V)			24,36,48,110,220				

CJX2-D CONTACTOR

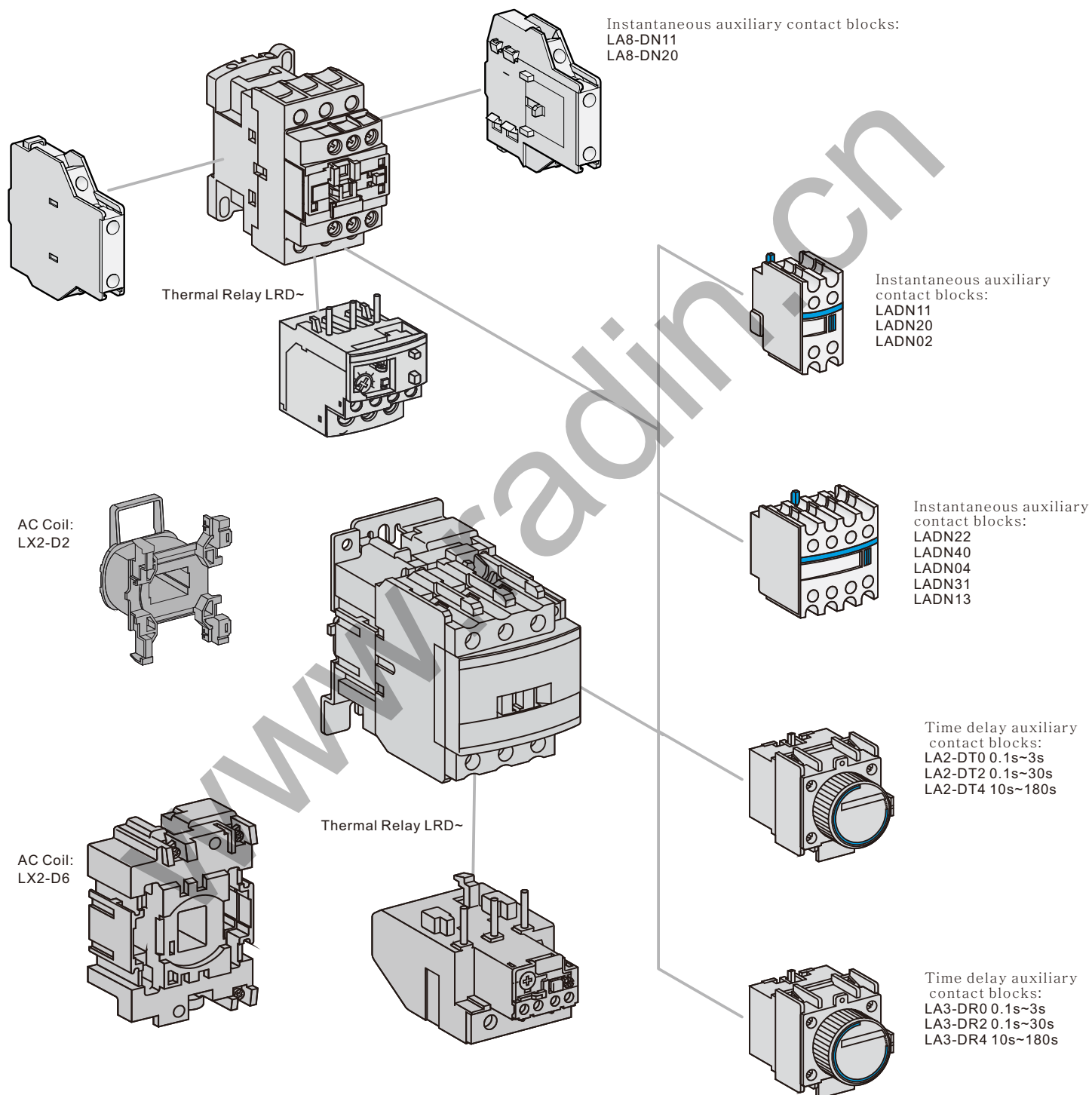


Items		Model	CJX2-D115	CJX2-D150	CJX2-D170	CJX2-D205	CJX2-D245
Pole			3	3	3	3 / 4	3 / 4
Rated conventional heating current (A) AC-1			200	200	200	275	280
Rated operational current (A)	380/400V	AC-3	115	150	170	205	245
		AC-4	50	65	70	75	85
	660/690V	AC-3	70	90	100	108	115
		AC-4	25	32	35	38	40
Rated insulation voltage (V AC)			690	690	690	690	690
Power of controlled 3-phase cage motor (AC-3)	kW	380/415V AC	55	75	75	90	110
		660/690V AC	80	100	100	110	140
AC coil (V)			110,127,220,240,380,415,440,480,500,600				

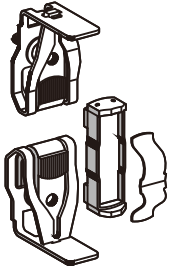
Items		Model		CJX2-D300	CJX2-D410	CJX2-D475	CJX2-D620
Pole				3 / 4	3 / 4	3 / 4	3 / 4
Rated conventional heating current (A) AC-1				360	430	580	850
Rated operational current (A)	380/400V	AC-3		300	410	475	620
		AC-4		124	150	185	188
	660/690V	AC-3		190	235	290	360
		AC-4		60	72	85	170
Rated insulation voltage (V AC)				690	690	690	690
Power of controlled 3-phase cage motor (AC-3)	kW	380/415V AC		160	200	250	335
		660/690V AC		220	280	330	450
AC coil (V)				110,127,220,240,380,415,440,480,500,600			

CJX2-D CONTACTOR

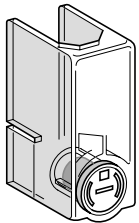
3.ACCESSORIES



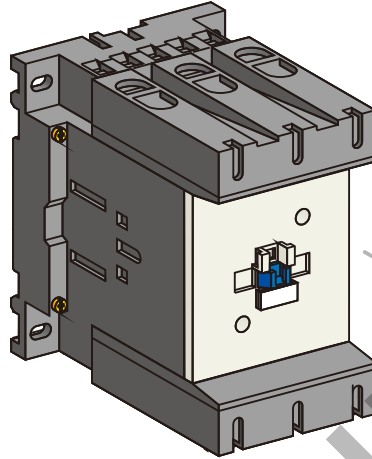
CJX2-D CONTACTOR



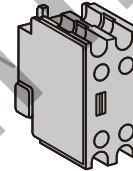
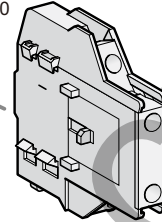
Sets of contacts:
LA5-FF431
LA5-FG431
LA5-FH431
LX5-F400803
LX5-F500803
LX5-F630803
LX5-F800803
LX5-F780803



Power terminal protection
shrouds:
LA9-F701
LA9-F702
LA9-F703
LA9-F704

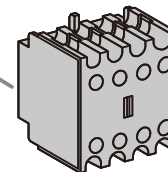
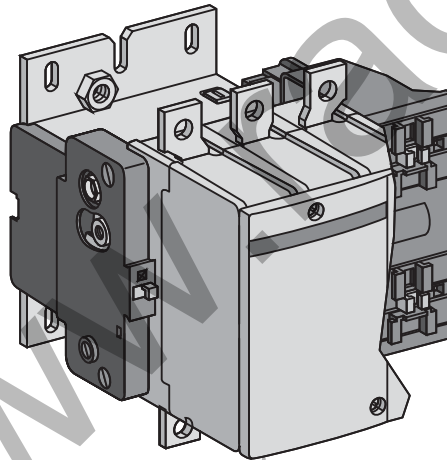
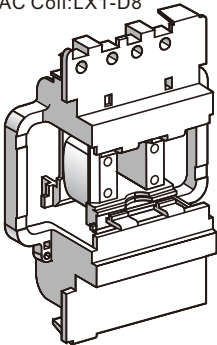


Instantaneous auxiliary contact blocks:
LA8-DN11
LA8-DN20

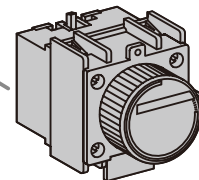


Instantaneous auxiliary
contact blocks:
F4-11
F4-20
F4-02

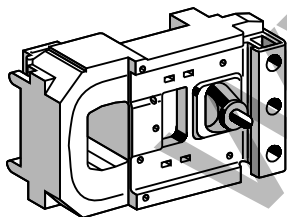
AC Coil: LX1-D8



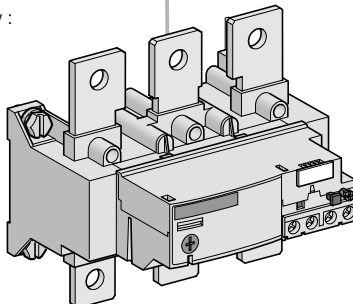
Instantaneous auxiliary
contact blocks:
F4-22
F4-40
F4-04
F4-31
F4-13



Time delay auxiliary
contact blocks:
F5-T0 0.1s~3s
F5-T2 0.1s~30s
F5-T4 10s~180s
F5-D0 0.1s~3s
F5-D2 0.1s~30s
F5-D4 10s~180s



Thermal Relay :
LR9-F5357
LR9-F5363
LR9-F5367
LR9-F5369
LR9-F5371
LR9-F7375
LR9-F7379
LR9-F7381



AC Coil: LX1-FF
LX1-FG
LX1-FH
LX1-FJ
LX1-FK
LX1-FL
LX1-FX
AC Coil: LX9-FF
LX9-FG
LX9-FH
LX9-FJ
LX9-FK
LX9-FL
LX9-FX



Mechanical interlocks
LA9-FF970
LA9-FG970
LA9-FJ970
LA9-FL970

CJ19

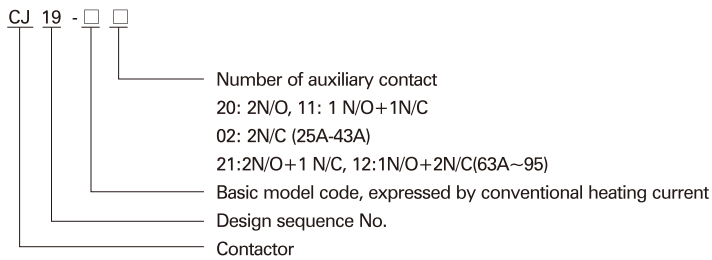
CONTACTOR FOR POWER FACTOR CORRECTION

1. General

1.1 Electric ratings: AC50/60Hz, up to 400V;

1.2 Standard: IEC/EN 60947-4-1.

2. Type Designation



3. Normal Operation Conditions

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

3.2 Altitude: ≤2000m;

3.3 Atmosphere conditions: At mounting site, relative humidity not exceed 50% at the max temperature of + 40℃, higher relative humidity is allowable under lower temperature. For example, RH could be 90% at +20℃, special measures should be taken to occurrence of dews.

3.4 Pollution degree: 3

3.5 Installation category: III

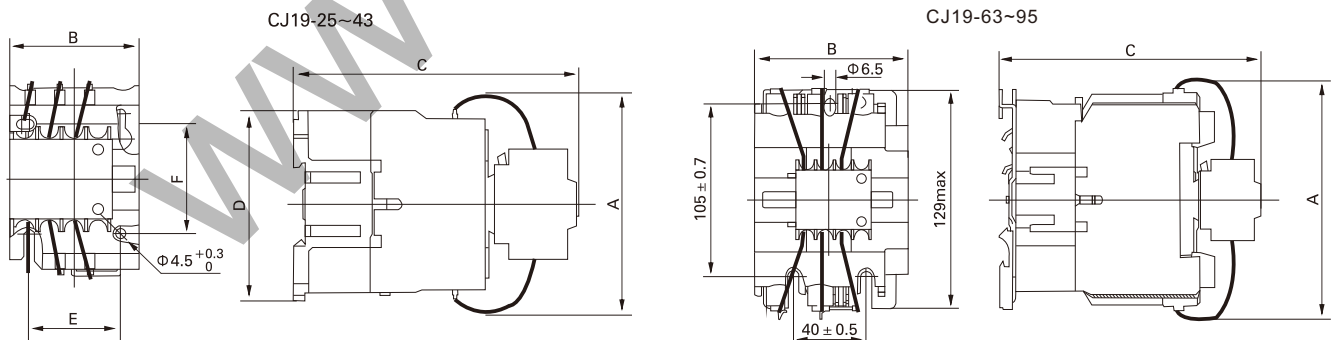
3.6 Installation conditions: the inclination between installation plane and vertical plane is within ±50°.

3.7 Impact and shake: the products should locate in the places where there are no obvious impact and shake.

4. Technical Data

Model		CJ19-25	CJ 19-32	CJ 19-43	CJ 19-63	CJ19-95
Ie Rated current Ie (400V) A		17	23	29	43	63
Power of controlled capacitor(kVar)	220/230V AC	6	9	10	15	22
	380/400V AC	12	18	20	30	40
Rated insulation Voltage Ui (V)		500				
Rated operational Voltage Ue (V AC)		380				
Restrained surge capacity		20Ie				

5. Overall and mounting dimensions(mm)



Model	Amax	Bmax	Cmax	Dmax	E	F	Note
CJ19-25	80	47	124	76	34/35	50/60	Screw mount/ 35mm rail mount
CJ19-32	90	58	132	86	40	48	
CJ19-43	90	58	136	86	40	48	
CJ19-63	132	79	150				
CJ19-95	135	87	158				

CJX2-K CONTACTOR

1. GENERAL

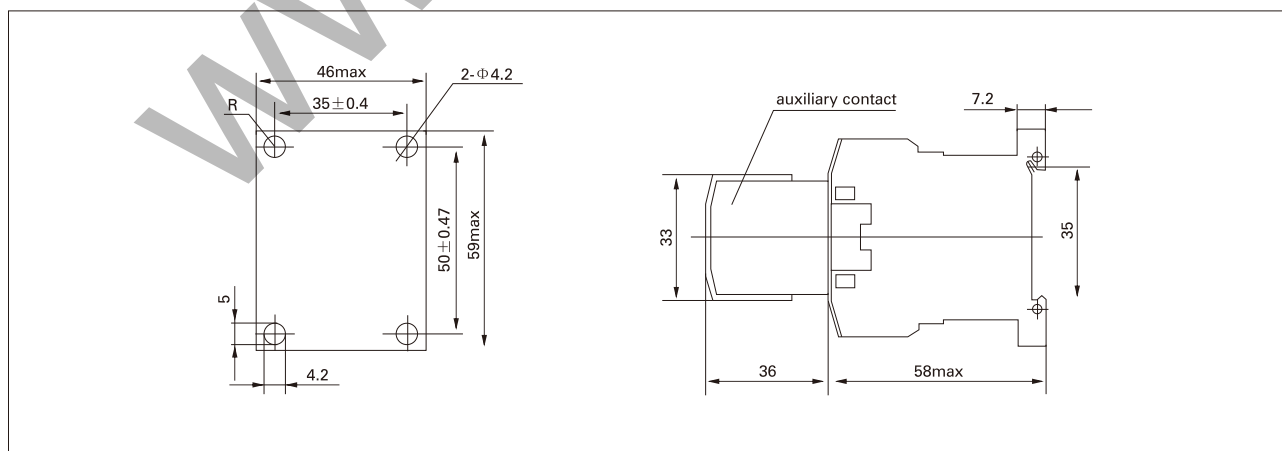
- 1.1 Certificates: CE;
- 1.2 Electric ratings: AC50/60Hz, 690V, up to 12A;
- 1.3 Application: remote making & breaking circuits, protect circuit from over-load when assembling with thermal over-load relay, frequent start-up and control of AC motor;
- 1.4 Utilization category: AC-3,
- 1.5 Altitude: $\leq 2000\text{m}$;
- 1.6 Ambient temperature: $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$;
- 1.7 Mounting category: III;
- 1.8 Mounting conditions: inclination between the mounting plane and the vertical plane should not exceed $\pm 5^{\circ}$;
- 1.9 Standard: IEC/EN 60947-4-1.



2. TECHNICAL DATA

Items		Model		CJX2-K06 (Z)		CJX2-K09 (Z)		CJX2-K12 (Z)	
Pole				3	4	3	4	3	4
Auxiliary Contact				1NO/1NC	-	1NO/1NC	-	1NO/1NC	-
Rated conventional heating current (A) AC-1				20		20		20	
Rated operational current (A)	380/400V	AC-3	6		9		12		
		AC-4	-		-		-		
	660/690V	AC-3	3.8		5		5		
		AC-4	-		-		-		
Rated insulation voltage (V AC)				690		690		690	
Power of controlled 3-phase cage motor (AC-3)	kW	220/230V AC	1.5		2.2		4		
		380/415V AC	2.2		4		5.5		
		660/690V AC	3		4		4		
AC coil (V)				24,36,48,110,127,220,240,380,415					
DC coil (V)				24,36,48,110,220					

3. OVERALL AND MOUNTING DIMENSIONS (MM)



CJX3-G

CONTACTOR

1. GENERAL

- 1.1 Certificates: CE;
- 1.2 Electric ratings: AC50/60Hz, 690V, up to 800A;
- 1.3 Application: remote making & breaking circuits, protect circuit from over-load when assembling with thermal over-load relay, frequent start-up and control of AC motor;
- 1.4 Utilization category: AC-3, AC-4;
- 1.5 Altitude: $\leq 2000\text{m}$;
- 1.6 Ambient temperature: $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$;
- 1.7 Mounting category: III;
- 1.8 Mounting conditions: inclination between the mounting plane and the vertical plane should not exceed $\pm 5^{\circ}$;
- 1.9 Standard: IEC/EN 60947-4-1.



2. TECHNICAL DATA

Items		Model	CJX3-G09 (Z)	CJX3-G12 (Z)	CJX3-G18 (Z)	CJX3-G22 (Z)	CJX3-G32 (Z)
Pole			3	3	3	3	3
Auxiliary Contact			1NO+1NC	1NO+1NC	1NO+1NC	1NO+1NC	0NO/0NC
Rated conventional heating current (A) AC-1			20	20	30	40	50
Rated operational current (A)	AC-3	220/240V	11	13	18	22	32
		380/415V	9	12	18	22	32
		500/500V	7	12	13	22	28
		690V	5	9	9	18	20
Rated insulation voltage (V AC)			690	690	690	690	690
Power of controlled 3-phase cage motor (kW)	AC-3	220/240V	2.5	3.5	4.5	5.5	7.5
		380/415V	4	5.5	7.5	11	15
		500/500V	4	7.5	7.5	15	18.5
		690V	4	7.5	7.5	15	18.5
AC coil (V)			24,36,48,110,127,220,240,380,415,440,480,500,600				
DC coil (V)			24,36,48,110,220				

Items		Model	CJX3-G40 (Z)	CJX3-G50 (Z)	CJX3-G65 (Z)	CJX3-G75 (Z)	CJX3-G85 (Z)
Pole			3	3	3	3	3
Auxiliary Contact			0NO/0NC	0NO/0NC	0NO/0NC	0NO/0NC	0NO/0NC
Rated conventional heating current (A) AC-1			60	80	100	110	125
Rated operational current (A)	AC-3	220/240V	40	50	65	75	85
		380/415V	40	50	65	75	85
		500/500V	32	43	60	64	75
		690V	23	28	35	42	45
Rated insulation voltage (V AC)			690	690	690	690	690
Power of controlled 3-phase cage motor (kW)	AC-3	220/240V	11	15	18.5	22	25
		380/415V	18.5	22	30	37	45
		500/500V	22	30	33	37	45
		690V	22	30	33	37	45
AC coil (V)			24,36,48,110,127,220,240,380,415,440,480,500,600				
DC coil (V)			24,36,48,110,220				

CJX3-G CONTACTOR



Items		Model	CJX3-G100	CJX3-G125	CJX3-G150	CJX3-G180	CJX3-G220
Pole			3	3	3	3	3
Auxiliary Contact			1NO+1NC	1NO+1NC	1NO+1NC	1NO+1NC	0NO/0NC
Rated conventional heating current (A) AC-1			160	160	210	230	275
Rated operational current (A)	AC-3	220/240V	100	125	150	180	250
		380/415V	100	125	150	180	250
		500/500V	85	90	140	180	200
		690V	65	70	100	120	150
Rated insulation voltage (V AC)			690	690	690	690	690
Power of controlled 3-phase cage motor (kW)	AC-3	220/240V	30	37	45	55	75
		380/415V	55	60	75	90	132
		500/500V	55	60	90	110	132
		690V	55	60	90	110	132
AC coil (V)			110,127,220,240,380,415,440,480,500,600				
DC coil (V)			110,220				

Items		Model	CJX3-G300	CJX3-G400	CJX3-G600	CJX3-G800
Pole			3	3	3	3
Auxiliary Contact			0NO/0NC	0NO/0NC	0NO/0NC	0NO/0NC
Rated conventional heating current (A) AC-1			350	450	660	850
Rated operational current (A)	AC-3	220/240V	300	400	600	800
		380/415V	300	400	600	800
		500/500V	250	350	500	720
		690V	220	300	420	630
Rated insulation voltage (V AC)			690	690	690	690
Power of controlled 3-phase cage motor (kW)	AC-3	220/240V	90	125	190	220
		380/415V	160	220	330	440
		500/500V	160	225	330	550
		690V	200	250	330	500
AC coil (V)			110,127,220,240,380,415,440,480,500,600			
DC coil (V)			110,220			

QCX2

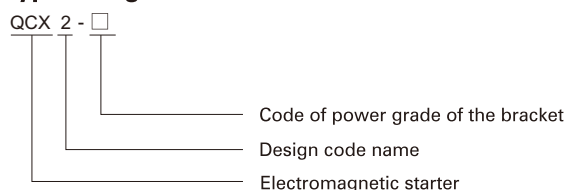
SERIES DOL ELECTROMAGNETIC STARTER

1.General

1.1 QCX2series electromagnetic starter ("starter" for short hereinafter)applies mainly to circuit with AC current of 50Hz (or 60Hz), rated operational voltage of 690V and rated controlled power up to 45KW (current up to 95A) for using to control the direct start and halt of the electromotor to protect the motor from overload and phase failure.

1.2 The starter conforms to standards IEC/EN60947-4-1.

2.Type Designation



3.Technical Data

Altitude: not exceeding 2000m.

Temperature of ambient air: -5℃ ~ +40℃

Rated control supply voltage(AC 50Hz): 36V, 110V, 230V, 400V.

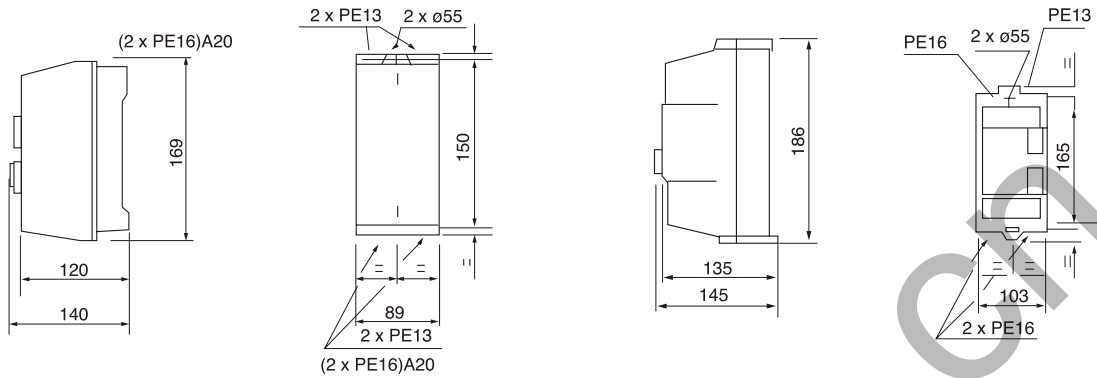
Mechanical life: 1,000,000 circles.

Electric life: 500,000 circles.

Table 1 Basic Model and main technical parameter of the starter

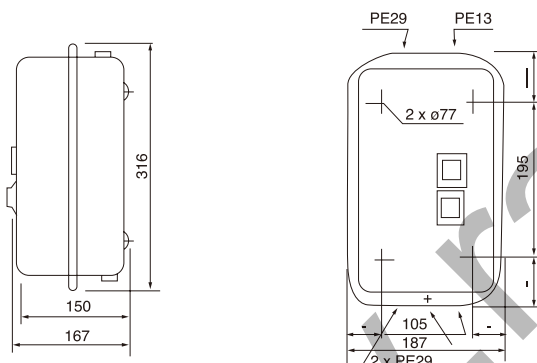
Model	Rated working current (A) AC-3	Maximum rated Power (kW) AC-3			Model of equipped AC: contactor	Tor matched	Range of setting current A
		220V	380V	660V			
QCX2-09	09	2.2	4	5.5	CJX2-09	JR28-25	1.0~1.6,1.6~2.5,2.5~4 4~6,5.5~8,7~10
QCX2-12	12	3	5.5	7.5	CJX2-12		9.0~13
QCX2-18	18	4	7.5	10	CJX2-18		12~18
QCX2-25	25	5.5	11	15	CJX2-25		17~25
QCX2-32	32	7.5	15	18.5	CJX2-32	JR28-36	23~32
QCX2-40	40	11	18.5	30	CJX2-40	JR28-93	30~40
QCX2-50	50	15	22	33	CJX2-50		37~50
QCX2-65	65	18.5	30	37	CJX2-65		48~65
QCX2-80	80	22	37	45	CJX2-80		63~80
QCX2-95	95	25	45	55	CJX2-95		80~93

4. Overall and Mounting Dimension (mm)



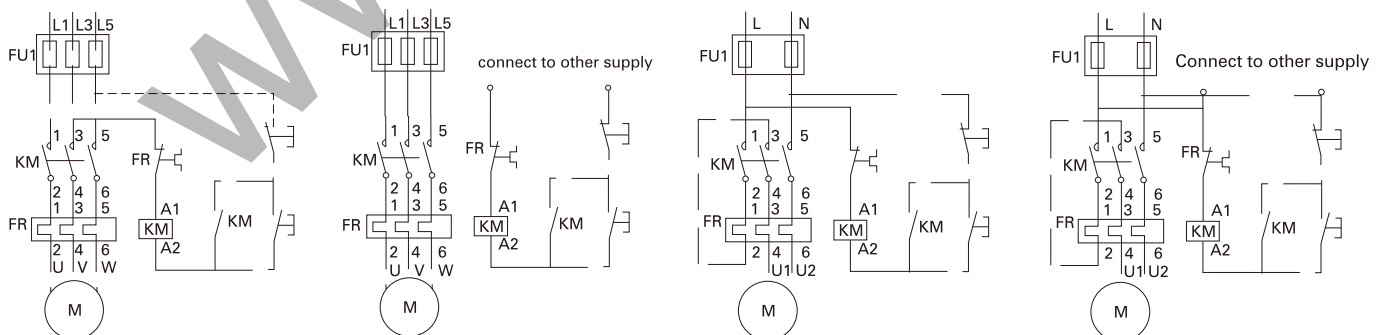
QCX2-09~18

QCX2-25~32



QCX2-40~95

5. Wiring Diagram



Control supply voltage is as the same as the main circuit voltage (three-phase)

Control supply voltage is not as the same as the main circuit voltage (three-phase)

Control supply voltage is as the same as the main circuit voltage (single-phase)

Control supply voltage is not as the same as the main circuit voltage (single-phase)

CJX1

CONTACTOR

1. GENERAL

- 1.1 Certificates: CE;
- 1.2 Electric ratings: AC50/60Hz, 690V, up to 95A;
- 1.3 Application: remote making & breaking circuits, protect circuit from over-load when assembling with thermal over-load relay, frequent start-up and control of AC motor;
- 1.4 Utilization category: AC-3, AC-4;
- 1.5 Altitude: $\leq 2000\text{m}$;
- 1.6 Ambient temperature: $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$;
- 1.7 Mounting category: III;
- 1.8 Mounting conditions: inclination between the mounting plane and the vertical plane should not exceed $\pm 5^{\circ}$;
- 1.9 Standard: IEC/EN 60947-4-1.



2. TECHNICAL DATA

Items		Model		CJX1-9	CJX1-12	CJX1-16	CJX1-22	CJX1-32	CJX1-38	CJX1-45
Rated conventional heating current (A) AC-1				20	20	30	30	45	45	70
Rated operational current (A)	380/400V	AC-3	9	12	16	22	32	38	45	
		AC-4	3.3	4.3	7.7	8.5	15.6	18.5	22	
Rated insulation voltage (V AC)				660	660	660	660	660	660	1000
Power of controlled 3-phase cage motor (AC- 3)	kW	220/230V AC	2.4	3.3	4	6.1	8.5	11	15	
		380/400V AC	4	5.5	7.5	11	15	18.5	22	
		660/690V AC	5.5	7.5	11	11	23	23	39	

Items		Model	CJX1-63	CJX1-75	CJX1-85	CJX1-110	CJX1-140	CJX1-170	CJX1-205
Rated conventional heating current (A) AC-1			70	90	90	150	150	180	220
Rated operational current (A)	380/400V	AC-3	63	75	85	110	140	170	205
		AC-4	28	34	42	54	68	75	96
Rated insulation voltage (V AC)			1000	1000	1000	1000	1000	1000	1000
Power of controlled 3-phase cage motor (AC-3)	kW	220/230V AC	18.5	22	26	37	43	55	64
		380/400V AC	30	37	45	55	75	90	110
		660/690V AC	55	67	67	100	100	156	156

Items		Model	CJX1-250	CJX1-300	CJX1-400	CJX1-475	CJX1F-9	CJX1F-12	CJX1F-16	CJX1F-22	CJX1F-32
Rated conventional heating current (A) AC-1			300	300	400	550	20	20	30	30	45
Rated operational current (A)	380/400V	AC-3	250	300	400	475	9	12	16	22	32
		AC-4	110	125	150	150	3.3	4.3	7.7	8.5	15.6
Rated insulation voltage (V AC)			1000	1000	1000	1000	660	660	660	660	660
Power of controlled 3-phase cage motor (AC- 3)	kW	220/230V AC	78	93	125	144	2.4	3.3	4	6.1	8.5
		380/400V AC	132	160	200	250	4	5.5	7.5	11	15
		660/690V AC	235	235	375	375	5.5	7.5	11	11	23

JR28

THERMAL OVERLOAD RELAY

1.General

1.1 Certificates: CE;

1.2 Electric ratings: AC 50/60Hz, 690V, 0.1A~630A;

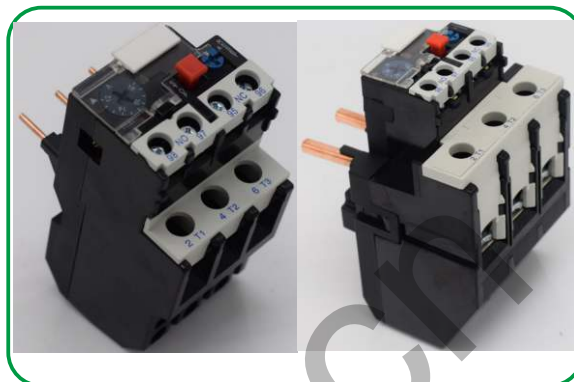
1.3 Tripping class: 10A;

1.4 Mounting version:

a. Plug-in: Available for JR28-11.5,25,36,93,JR28-150

b. Independent: Available for 200, 630;

1.5 Standard: IEC/EN 60947-4-1.



Type	Rated or scale of rated current(A)	Rated current(A)	Model of contactor
JR28-25	0.1-0.16	0.16	9A
	0.16-0.25	0.25	9A
	0.25-0.4	0.4	9A
	0.4-0.63	0.63	9A
	0.63-1.0	1.0	9A
	1.0-1.6	1.6	9A
	1.6-2.5	2.5	9A
	2.5-4	4	9A
	4-6	6	9A
	5.5-8	8	9A
	7-10	10	12A
	9-13	13	18A
	12-18	18	18A
	17-25	25	25A
JR28-36	23-32	32	32A
	28-36	36	32A
JR28-93	30-40	40	40A
	37-50	50	50A
	48-65	65	65A
	55-70	70	80A
	63-80	80	80A
	80-93	93	95A
JR28-150	80-104	104	D115
	95-120	120	D115
	110-140	140	D150
LR9-F5357	30-50	50	F115
LR9-F5363	48-80	80	F115
LR9-F5367	60-100	100	F115
LR9-F5369	90-150	150	F150
LR9-F5371	132-220	220	F185~F225
LR9-F7375	200-300	300	F225~F330
LR9-F7379	300-500	500	F330~F500
LR9-F7381	380-630	630	F330~F630

