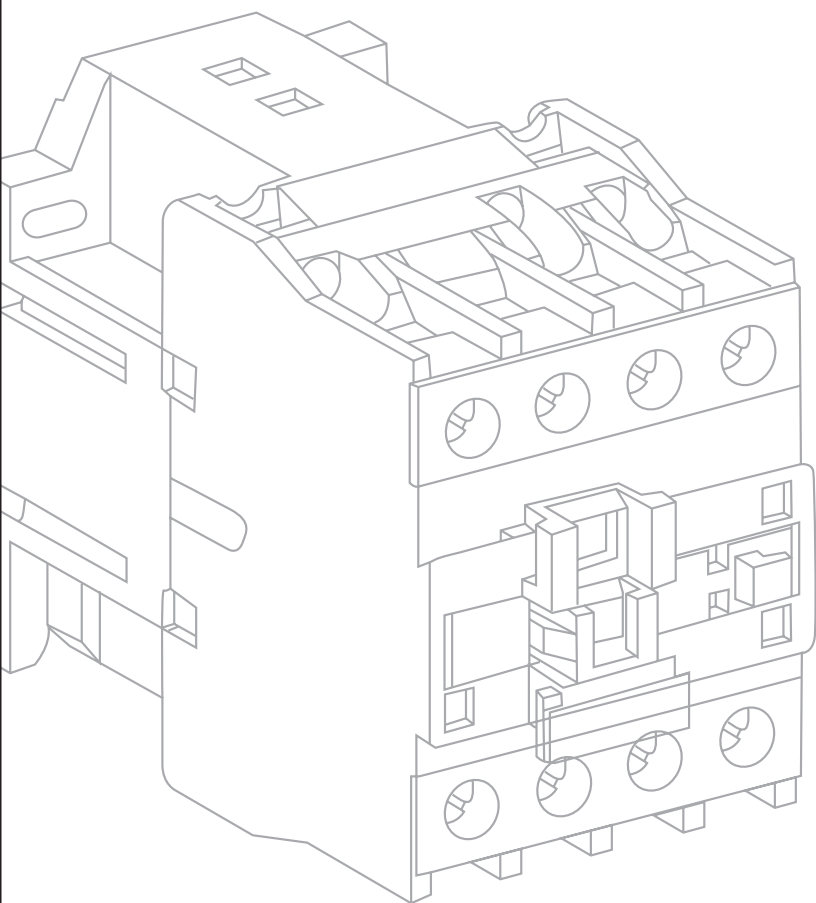


CNJUHO

CONTACTOR SERIES

AC CONTACTOR / DC CONTACTOR
MAGNETIC STARTER

.....



WENZHOU JUHONG ELECTRIC CO., LTD.



CNJUHO

**STRONG SOLUTIONS
POWERFUL PARTNERS**



Company Profile

Wenzhou Juhong Electric Co., Ltd. is located in Xiangyang Industrial Zone, Liushi City, it is the capital of electrical appliances. It is a comprehensive electrical appliance company with industrial control products as the leading, scientific research, production, manufacturing and sales.

The company is major producing AC contactors, motor protectors, thermal relays, the first to pass the ISO9001 quality system certification, ISO14001 environmental protection system certification and OHSAS18001 occupational health and safety management system certification. all products have passed CE safety certification, and some products have passed CB certification. The company strict implementation of 6 S management, with beautiful environment, clean and orderly production workshop, each product has passed the inspection before the factory qualified rate reached 100%.

Our company products are exported to Asia, the Middle East, South America, Africa, customers throughout the world more than 140 countries and regions, widely used in petrochemical, metallurgy, machine tools, electrical equipment and so on. With the spirit of harmony, seeking truth, pragmatism and innovation, Juhong people uphold the management concept of creating value for customers, seeking development for employees, taking responsibility for society, serving the country for industry, striving for world famous brands and constantly striving for progress.

New journey, new starting point, new power, Juhong will bring new and old customers to create a better tomorrow.

JXC AC CONTACTOR

1. Application



JXC-0911

The new JXC AC contactors feature a novel appearance and a compact structure. They are mainly used for frequent starts and control of AC motors as well as remote circuit making / breaking. They can also be combined with appropriate thermal overload relays to form electromagnetic starters.

Compliant standards: IEC/EN 60947-1, IEC/EN 60947-4-1, IEC/EN 60947-5-1.

2. Feature



JXC-1811

- Rated operation current I_e : 6A~100A
- Rated operation voltage U_e : 220V~690V
- Rated insulation voltage: 690V (JXC-06M~100), 1000V (JXC-120~630)
- Number of poles: 3P and 4P (only for JXC-06M~12M)
- Coil control method: AC (JXC-06(M)~225), DC (JXC-06M~12M), AC/DC (JXC-265~630)
- Installation method: JXC-06M~100 rail and screw installation, JXC-120~630 screw installation

3. Operation And Installation Conditions



JXC-3211



JXC-4011

Type	Operation and installation conditions
Installation class	III
Pollution degree	3
Compliant standards	IEC/EN 60947-1, IEC/EN 60947-4-1, IEC/EN 60947-5-1
Certification mark	CE
Enclosure protection degree	JXC-06M~38: IP20; JXC-40~100: IP10; JXC-120~630: IP00
Ambient temperature	Operation temperature limits: -35°C~+70°C. Normal operation temperature range: -5°C~+40°C. The 24-hour average temperature should not exceed +35°C. For use beyond the normal operation temperature range, see "Instructions for use in abnormal conditions" in the annex.
Altitude	Not exceeding 2000 m above sea level
Atmospheric conditions	The relative humidity should not exceed 50% at the upper temperature limit of +70°C. A higher relative humidity is allowed at a lower temperature, e.g. 90% at +20°C. Special precautions should be taken against occasional condensation due to humidity variations.
Installation conditions	The angle between the installation surface and the vertical surface should not exceed $\pm 5^\circ$.
Shock and vibration	The product should be installed in places without significant shaking, shock, and vibration.

4. Parameters

Main circuit parameters and technical performance

Contactor model			JXC-06M	JXC-09M	JXC-12M	JXC-06	JXC-09	JXC-12	JXC-16	JXC-18	JXC-22
Conventional thermal current Ith (A)			20	20	20	20	20	25	25	32	32
Rated insulation voltage Ui (V)			690								
Rated impulse withstand voltage Uimp (kV)			6			8					
Rated making capacity			Making current: 10×Ie (AC-3) or 12×Ie (AC-4)								
Rated breaking capacity			Breaking current: 8×Ie (AC-3) or 10×Ie (AC-4)								
Rated operation current Ie (A)	220V/230V/240V	AC-3	6	9	12	6	9	12	16	18	22
		AC-4	6	9	12	6	9	12	16	18	22
	380V/400V/415V	AC-3	6	9	12	6	9	12	16	18	22
		AC-4	6	9	9	6	9	12	12	18	18
	660V/690V	AC-3	3.8	4.9	4.9	3.8	6.6	8.9	8.9	12	14
		AC-4	3.8	4.9	4.9	3.8	6.6	8.9	8.9	12	12
Rated control power	AC-3 (kW)	220V/230V/240V	1.5	2.2	3	1.5	2.2	3	3	4	5.5
		380V/400V/415V	2.2	4	5.5	2.2	4	5.5	7.5	7.5	11
		660V/690V	3	4	4	3	5.5	7.5	7.5	10	11
Electrical life (cycles)		AC-3					1.2×10 ⁶				
Mechanical life (cycles)							1.2×10 ⁶				
Main contact			3 NO, 4 NO, 2 NO+2 NC				3 NO				
Fuse supplied for SCPD			NT00-20	NT00-20	NT00-25	NT00-20	NT00-20	NT00-25	NT00-25	NT00-32	NT00-32
Matching thermal overload relay			NXR-12				NXR-25				
Built-in auxiliary contact		3P	1 NO or 1 NC				1 NO+1 NC				
		4P					-				

Control circuit		Contactor model	JXC-06M	JXC-09M	JXC-12M	JXC-06	JXC-09	JXC-12	JXC-16	JXC-18	JXC-22
Main circuit connection	Cable connection (mm2)	Prefabricated flexible wire	1	1~2.5		1~4			1.5~6		
			2	1~1.5		1~2.5			1.5~4		
		Hard wire	1	1~2.5		1~4			1.5~6		
			2	1~2.5		1~4			1.5~6		
	Size of fastening screw		M3		M3.5			M3.5			
	Tightening torque (N·m)		0.8		0.8			0.8			
Control circuit connection	Cable connection (mm2)	Prefabricated flexible wire	1	1~2.5		1~4					
			2	1~1.5		1~2.5					
		Hard wire	1	1~2.5		1~4					
			2	1~2.5		1~4					
	Size of fastening screw		M3		M3.5						
	Tightening torque (N·m)		0.8		0.8						

Contactor model		JXC-06M	JXC-09M	JXC-12M	JXC-06	JXC-09	JXC-12	JXC-16	JXC-18	JXC-22
Coil control power supply	AC 50Hz	24, 36, 48, 110, 127, 220, 230, 240, 380, 415			24, 36, 48, 110, 127, 220, 230, 240, 380, 415					
	DC	24, 48, 110, 220			-					
	Pull-in	(75%~120%) Us			(70%~120%) Us					
	Release	AC: (20%~70%) Us; DC: (10%~70%) Us			(20%~65%) Us					
	Start	25~40			40~60					
	Hold	2~7			9.5					
	AC	1~3			1~3					
	DC	-			-					

Contactor model			JXC-25	JXC-32	JXC-38	JXC-40	JXC-50	JXC-65	JXC-75	JXC-85	JXC-100
Conventional thermal current Ith (A)			40	50	50	60	80	80	90	100	110
Rated insulation voltage Ui (V)			690								
Rated impulse withstand voltage Uimp (kV)			8								
Rated making capacity			Making current: 10×Ie (AC-3) or 12×Ie (AC-4)								
Rated breaking capacity			Breaking current: 8×Ie (AC-3) or 10×Ie (AC-4)								
Rated operation current Ie (A)	220V/230V/240V	AC-3	25	32	38	40	50	65	75	85	100
		AC-4	25	32	38	40	50	65	75	85	100
	380V/400V/415V	AC-3	25	32	38	40	50	65	75	85	100
		AC-4	25	32	38	40	50	65	75	85	100
	660V/690V	AC-3	18	22	22	34	39	42	42	49	49
		AC-4	18	22	22	34	39	42	42	49	49
Rated control power	AC-3 (kW)	220V/230V/240V	5.5	7.5	9	11	15	18.5	22	22	25
		380V/400V/415V	11	15	18.5	18.5	22	30	37	37	45
		660V/690V	15	18.5	18.5	30	37	37	37	45	45
Electrical life (cycles)		AC-3	1.2×10 ⁶			1×10 ⁶			0.8×10 ⁶		
		AC-4	See electrical life curve								
Mechanical life (cycles)			1×10 ⁷			0.9×10 ⁷			0.65×10 ⁷		
Main contact			3 NO								
Fuse supplied for SCPD			gG40	gG50	gG50	gG63	gG80	gG80	gG100	gG100	gG125
Matching thermal overload relay			NXR-25								
Built-in auxiliary contact		3P	1 NO + 1 NC								
		4P	-								

Control circuit		Contactor model	JXC-25	JXC-32	JXC-38	JXC-40	JXC-50	JXC-65	JXC-75	JXC-85	JXC-100
Main circuit connection	Cable connection (mm ²)	Prefabricated flexible wire	1	1.5~10		6~25		10~35			
			2	1.5~6		4~10		6~16			
	Hard wire	1	1.5~6		6~25		10~35				
		2	1.5~6		4~10		6~16				
	Size of fastening screw		M4		M8		M8				
	Tightening torque (N·m)		1.2		6		6				
Control circuit connection	Cable connection (mm ²)	Prefabricated flexible wire	1	1~4							
			2	1~2.5							
	Hard wire	1	1~4								
		2	1~4								
	Size of fastening screw		M3.5								
	Tightening torque (N·m)		0.8								

Contactor model		JXC-25	JXC-32	JXC-38	JXC-40	JXC-50	JXC-65	JXC-75	JXC-85	JXC-100
Coil control power supply	AC 50Hz	24, 36, 48, 110, 127, 220, 230, 240, 380, 415								
Control voltage	Pull-in	70%~120%) Us								
	Release	(20%~65%) Us								
Coil average power (VA)	Start	50~70			160~210			190~250		
	Hold	8~11.4			13~25			17~30		
Heat dissipation (W)	AC	1~3			4~8			6~10		
	DC	-			-			-		

5. Annex I: Instructions For Use In Abnormal Conditions

Instructions for use of correction factors in high altitude areas

- IEC/EN 60947-4-1 standard defines the relation between altitude and impulse withstand voltage. An altitude of 2000 m above sea level or lower has no significant impact on product performance.
- At an altitude higher than 2000 m, air cooling effect and decrease of rated impulse withstand voltage have to be considered. In this case, design and use of products have to be negotiated by the manufacturer and the user.
- The correction factors for rated impulse withstand voltage and rated operation current for altitudes higher than 2000 m are given in the following table. The rated operation voltage remains unchanged.

Altitude (m)	2000	3000	4000
Rated impulse withstand voltage correction factor	1	0.88	0.78
Rated operation current correction factor	1	0.92	0.9

Instructions for use under abnormal ambient temperature

- IEC/EN 60947-4-1 standard defines normal operation temperature range for products. Use of products in the normal range will not cause significant impact on their performance.
- At an operation temperature higher than +40°C, the tolerable temperature rise of products needs to be reduced. Both rated operation current and number of contactors in standard products have to be decreased to prevent product damage, shortened service life, lower reliability, or impact on control voltage. At a temperature lower than -5°C, freezing of insulation and lubrication grease should be considered to prevent action failures. In these cases, design and use of products have to be negotiated by the manufacturer and the user.
- The correction factors for different rated operation current under operation temperature higher than +55°C are given in the following table. The rated operation voltage remains unchanged.

Ambient temperature (°C)	55	60	65	70
Correction factor	1	0.93	0.875	0.75

- At the temperature range of +55°C~+70°C, the pull-in voltage range of AC contactors is (90%~110%)Us, and (70%~120%)Us is the results of cold status tests at 40°C ambient temperature.

6. Instructions For Derating During Use In Corrosive Environment

- Impact on metal parts
 - Chlorine Cl, nitrogen dioxide NO, hydrogen sulfide H₂S, sulfur dioxide SO₂,
 - Copper: The thickness of copper sulfide coating in chlorine environment will be twice that in normal environment conditions. This is also the case for environments with nitrogen dioxide.
 - Silver: When used in SO₂ or H₂S environment, the surface of silver or silver coated contacts will become dark due to formation of a silver sulfide coating. This will lead to higher contact temperature rise and may damage to the contacts.
 - In humid environments where Cl and H₂S coexist, the coating thickness will increase by 7 times. With presence of both H₂S and NO, the silver sulfide thickness will increase by 20 times.
- Considerations during product selection
 - In refinery, steel, paper, artificial fiber (nylon) industry or other industries using sulphur, equipment may experience vulcanization (also called oxidation in some industrial sectors). Equipment installed in machine rooms is not always well protected from oxidation. Short inlets are often used to ensure that the pressure in such rooms is slightly higher than atmospheric pressure, which helps reduce pollutions due to external factor to a certain degree. However, after operation for 5 to 6 years, the equipment still experience rust and oxidation inevitably. Hence in operation environments with corrosive gas, the equipment needs to be used with derating. The derating coefficient relative to the rated value is 0.6 (up to 0.8). This helps reduce rate of accelerated oxidation due to temperature rise.



JLC1-DN0910



JLC1-DN2510



JLC1-DN4011



JLC1-DN9511

JLC1-DN AC CONTACTOR

1. General

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

Volts(VAC)	24	36	42	48	110	127	220	230	240	380	415	440	480	500	600
50Hz	B5	C5	D5	E5	F5	G5	M5	P5	u5	Q5	N5	R5	-	S5	Y5
60Hz	B6	-	D6	E6	F6	G6	M6	-	u6	Q6	-	R6	T6	-	-
50/60Hz	B7	-	D7	E7	F7	-	M7	P7	-	Q7	N7	R7	-	-	-

Control Coil Voltage (DC Coil Operation)

Volts(VDC)	12	24	36	48	110	220
Code	JD	BD	CD	ED	FD	MD

2. Type Designation

JL C 1 - □ □ □ □

Z: DC operation Blank: AC operation

Number of contacts

10: 3N/O main contacts + 1N/O auxiliary contact (9A, 12A, 18A, 25A, 32A)

01: 3N/O main contacts + 1N/C auxiliary contact (9A, 12A, 18A, 25A, 32A)

11: 3N/O main contacts + 1N/O and 1N/C auxiliary contact (40A, 50A, 65A, 80A, 95A)

04: 4N/O main contacts (9A, 12A, 25A, 40A, 50A, 65A, 80A, 95A)

08: 2N/O and 2N/C main contacts (9A, 12A, 25A, 40A, 50A, 65A, 80A, 95A)

Basic specification, expressed with the rated operational current (380V/400V, AC3)

Design sequence No.

Contactor

Company code

3. Main Technical Parameter

Table1												
Type		JLC1-DN09	JLC1-DN12	JLC1-DN18	JLC1-DN25	JLC1-DN32	JLC1-DN38	JLC1-DN40	JLC1-DN50	JLC1-DN65	JLC1-DN80	JLC1-DN95
Rated working current Ie (A) AC-3Ue≤440V		9	12	18	25	32	38	40	50	65	80	95
Rated hear current Ith (A)		25	25	32	40	50	50	60	80	80	125	125
Rated insulation voltage Ui (V)		690	690	690	690	690	690	1000	1000	1000	1000	1000
Rated operating voltage Ue (V) Max		690	690	690	690	690	690	1000	1000	1000	1000	1000
Rated operational power in AC-3 Pe (KW)	220/230V	2.2	3	4	5.5	7.5	9	11	15	18.5	22	25
	380/400V	4	5.5	7.5	11	15	18.5	18.5	22	30	37	45
	415/440V	4	5.5	9	11	15	18.5	22	25/30	37	45	45
	500V	5.5	7.5	10	15	18.5	18.5	22	30	37	55	55
	660/690V	5.5	7.5	10	15	18.5	18.5	30	33	37	45	45
Rated operational power in AC-4 Pe (KW)	220/230V	1.5	1.5	2.2	3	4	4	4	5.5	7.5	7.5	9
	380/400V	2.2	3.7	4	5.5	7.5	7.5	9	11	11	15	15
	415/440V	2.2	3	3.7	5.5	7.5	7.5	9/11	11	11/15	15	15
	500V	3	4	5.5	7.5	9	9	11	15	18.5	22	22
	660/690V	4	5.5	7.5	10	11	11	15	18.5	22	25	25
Frequency of operation (l/h)		1200	1200	1200	1200	1000	1000	1000	1000	1000	750	750
Electrical endurance (x10 ⁴)	AC-3	100	100	100	100	80	80	80	60	60	60	60
	AC-4	20	20	20	20	20	20	15	15	15	10	10
Mechanical endurance (x10 ⁶)		15	15	15	15	15	15	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	8	8	8	11	11	20	20	20	20	20	20
	Starting	70	70	110	110	110	110	200	200	200	200	200
Rated insulation voltage of auxitiary contacts (V)		690	690	690	690	690	690	690	690	690	690	690
Conventional thermal current of auxitiary contacts (A)		10	10	10	10	10	10	10	10	10	10	10
Auxitiary contacts specification						AC-15:360VA				DC-13:33W		

4. Standard Control Circuit Voltage

Table2													
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	P6	U6	Q6	-	-	R6		
50/60Hz	B7	D7	E7	F7	M7	P7	U7	Q7	V7	N7	R7		

JLC1 AC CONTACTOR

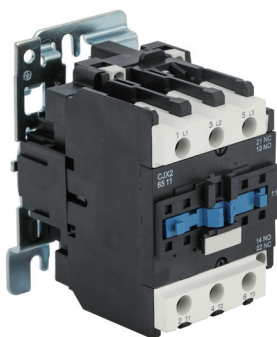
1. General



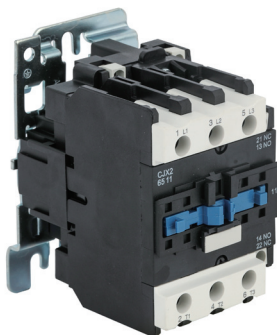
JLC1-1210



JLC1-1810



JLC1-6511



JLC1-9511

- Application: Remote making & breaking circuits; protect circuit from over-load when assembling with thermal over-load relay; frequent start-up and control of AC contactor;
- Electric ratings: AC50/60Hz, 690V, up to 95A;
- Utilization category: AC-3, AC-4;
- Altitude: $\leq 2000\text{m}$;
- Ambient temperature: $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$;
- Mounting category: III;
- Mounting conditions: Inclination between the mounting plane and the vertical plane should not exceed $\pm 5^{\circ}$;
- Standard: IEC/EN 60947-4=IEC/EN 60947-5-1.
- Control Coil voltage (AC Coil Operation).

Volts(VAC)	24	36	42	48	110	127	220	230	240	380	415	440	480	500	600
50Hz	B5	C5	D5	E5	F5	G5	M5	P5	U5	Q5	N5	R5	-	S5	Y5
Code	60Hz	B6	-	D6	E6	F6	G6	M6	-	U6	Q6	-	R6	T6	-
50/60Hz	B7	-	D7	E7	F7		M7	P7	-	Q7	N7	R7	-	-	-

Control Coil Voltage (DC Coil Operation)

Volts(VDC)	12	24	36	48	110	220
Code	JD	BD	CD	ED	FD	MD

2. Type Designation

JL C 1 - □ □ □ □

Z: DC operation Blank: AC operation

Number of contacts

10: 3N/O main contacts + 1N/O auxiliary contact (9A, 12A, 18A, 25A, 32A)

01: 3N/O main contacts + 1N/C auxiliary contact (9A, 12A, 18A, 25A, 32A)

11: 3N/O main contacts + 1N/O and 1N/C auxiliary contact (40A, 50A, 65A, 80A, 95A)

04: 4N/O main contacts (9A, 12A, 25A, 40A, 50A, 65A, 80A, 95A)

08: 2N/O and 2N/C main contacts (9A, 12A, 25A, 40A, 50A, 65A, 80A, 95A)

Basic specification, expressed with the rated operational current (380V/400V, AC3)

Design sequence No.

Contactor

Company code

3. Technical Data

Main parameter and technical characteristic (Table 1 Table 2)

Table 1

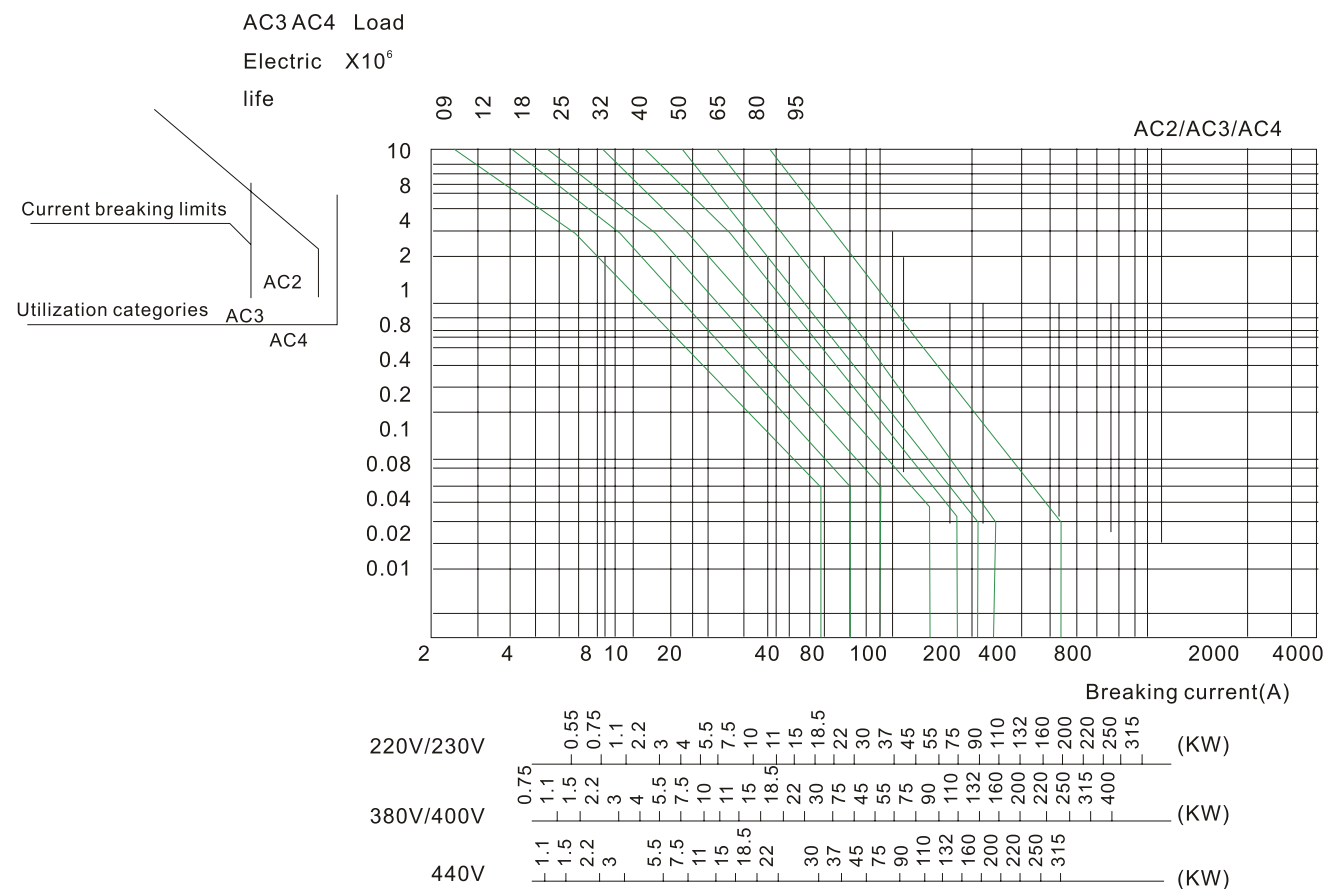
Standard	IEC/EN60947-4-1 IEC/EN60947-5-1					
Model No.		JLC1-09	JLC1-12	JLC1-18	JLC1-25	JLC1-32
Rated Conventional Heating Current	Ith(A)	20	25	32	40	50
Rated voltage Ui(v)	ui(V)	690	690	690	690	690
Rated Operation Currentue=380/415V	AC-3 Ie(A)	9	12	18	25	32
	AC-4 Ie(A)	3.5	5	7.7	8.5	12
Power Controlled 3ph cage Motor AC-3	220/240V KW	2.2	3	4	5.5	7.5
	380/415V KW	4	5.5	7.5	11	15
	660/690V KW	5.5	7.5	10	15	18.5
Electrial life(x10 ³ operations)	AC-3	1000	1000	1000	1000	800
	AC-4	200	200	200	200	200
Mechanical life(x10 ⁶ operations)		10	10	10	10	8
Matched Fuse	Size	RT16-00	RT16-00	RT16-00	RT16-00	RT16-00
	A	20	25	32	40	50
Main circuit		3P or 4P				
Auxiliary circuit at.: AC-15, Ue=415, Vle=0.95, Alth=10A		1NO or 1NC				

Standard	IEC/EN60947-4-1 IEC/EN60947-5-1					
Model No.		JLC1-40	JLC1-50	JLC1-65	JLC1-80	JLC1-95
Rated Conventional Heating Current	Ith(A)	60	80	80	110	125
Rated voltage Ui(V)	ui(V)	690	690	690	690	690
Rated Operation Currentue=380/415V	AC-3 Ie(A)	40	50	85	80	95
	AC-4 Ie(A)	18.5	24	28	37	44
Power Controlled 3ph cage Motor AC-3	220/240V Kw	11	15	18.5	22	25
	380/415V Kw	18.5	22	30	37	45
	660/690v KW	30	33	37	45	45
Electrial life(x10 ³ operations)	AC-3	800	600	600	300	600
	AC-4	150	150	150	100	100
Mechanical life(x10 ⁶ operations)		8	8	8	6	6
Matched Fuse	Size	RT16-00	RT16-00	RT16-00	RT16-00	RT16-00
	A	60	70	80	110	125
Main circuit		3P or 4P				
Auxiliary circuit at.: AC-15, Ue=415, Vle=0.95, Alth=10A		1NO or 1NC				

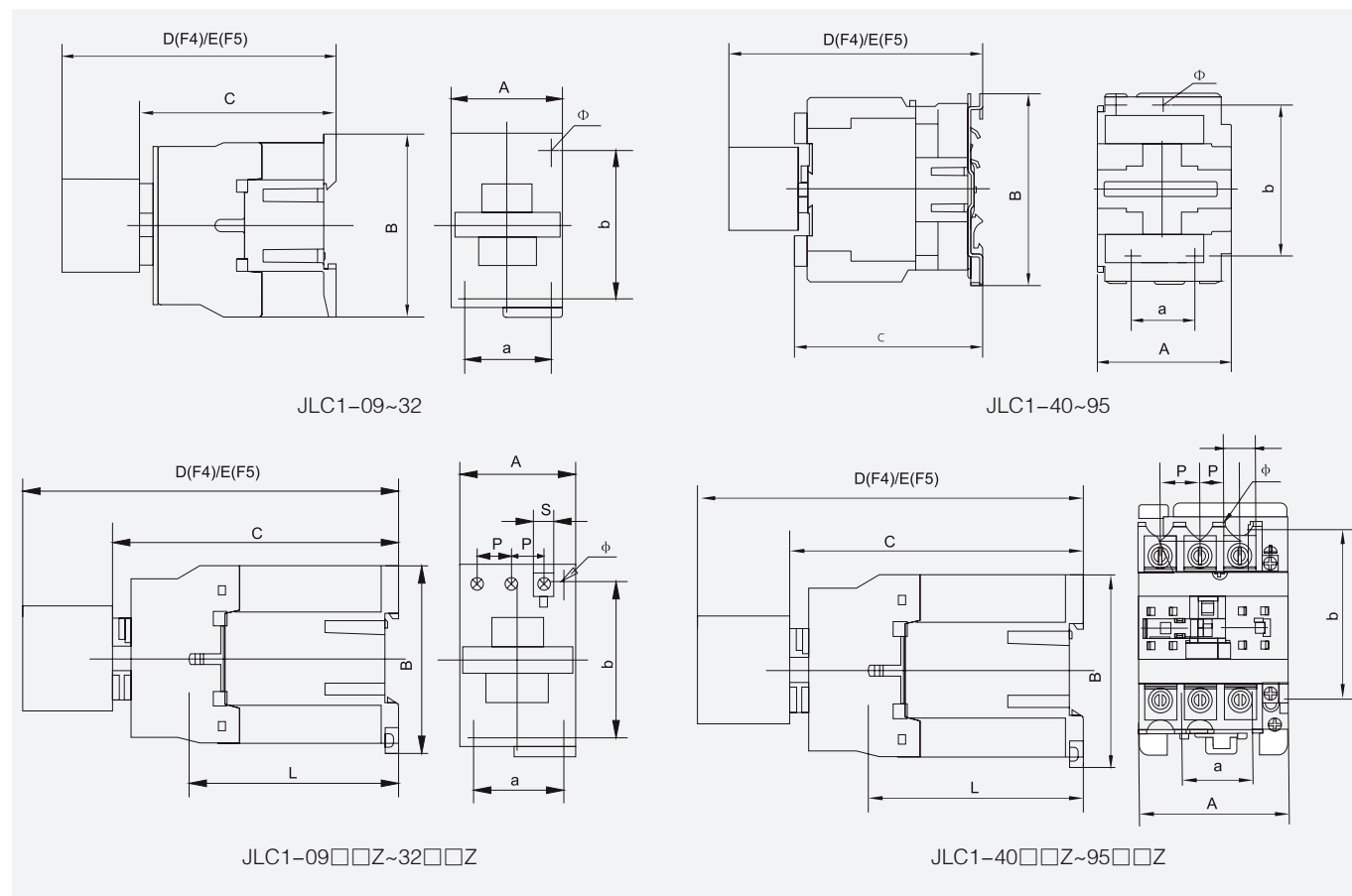
4. Technical Information

4.1 Terminal connection

Model	2 Cabling cross Section(cu)				Screw size	Tightening torque(N. m)
	Number of piece	Flexible cable with cold-pressed socket(mm ²)	Flexible cable without cold-pressed socket(mm ²)	Inflexible cable(mm ²)		
JLC1-09	1-2	2.5	4	4	M3.5	0.8
JLC1-12	1-2	2.5	4	4	M3.5	0.8
JLC1-18	1-2	4	6	6	M3.5	0.8
JLC1-25	1	4	10	6	M4	1.2
	2	4	6	6	M4	1.2
JLC1-32	1	4	10	6	M4	1.2
	2	4	6	6	M4	1.2
JLC1-40	1	10	16	10	M4	3.5
	2	10	10	10	M8	3.5
JLC1-50	1	16	25	25	M8	3.5
	2	16	16	-	M8	3.5
JLC1-65	1	16	25	25	M8	3.5
	2	16	16	-	M8	3.5
JLC1-80	1	50	50	50	M8	3.5
	2	25	35	-	M10	4.0
JLC1-95	1	50	20	50	M10	4.0
	2	25	35	-	M10	4.0



5. Overall And Mounting Dimensions (mm)



Note:

- 1.L: in main circuit, the distance between terminals and plate;
- 2.P: in main circuit, the distance between two phases;
- 3.S: in main circuit, the width of contacting plate.

Model	A max	B max	C max	D max	E max	a	b	Φ	L	P	S
JLC1-09(Z)~12(z)	47	76	82(116)	120.5(154.5)	140.5(174.5)	34/35	50/60	4.5	60(95)	10.5	8.6
JLC1-18(Z)	47	76	87(122)	125.5(160.5)	145.5(180.5)	34/35	50/60	4.5	61(96)	11.3	10.4
JLC1-25(Z)	57	86	95(131)	133.5(169.5)	153.5(189.5)	40	48	4.5	70(107)	13.2	11.7
JLC1-32(Z)	57	86	100(138)	138.5(176.5)	158.5(196.5)	40	48	4.5	71.6(120)	14.5	13
JLC1-4011(Z)~6511(z)	77	129	116(173)	154.5(211.5)	174.5(231.5)	40	100/110	6.5	78(135)	20	8.6
JLC1-4004/4008(Z)~6504/6508(Z)	84	129	116(173)	154.5(211.5)	174.5(231.5)	40	100/110	6.5	78(135)	20	8.6
JLC1-8011(Z)~9511(Z)	87	129	127(188)	165.5(226.5)	185.5(246.5)	40	100/110	6.5	83(140)	23.5	12
JLC1-8004/8008(Z)~9504/9508(Z)	96	129	127(183)	160.5(221.5)	180.5(241.5)	40	100/110	6.5	83(140)	23.5	12

JLC1-F AC CONTACTOR

1. Application Range

JLC1-F AC contactor is suitable for using in the circuits u to the rated voltage 380V AC 50/60Hz, current 800A, for long distance breaking circuit and frequently starting or controlling the motor. It also can be used for the control of distribution circuits of rated current from 115A to 800A. It conforms to IEC60947-4-1.

2. Specification

Type	AC-3(A) Rated operational current in AC-3(A)	Max power ratings of 3-phase motors in category AC-3(kW)							Operating frequency (time/ hour) AC-3	Electrical life AC-3 x10 ⁴	Mechanical life x10 ⁴
		220V 230V	380V 400V	415V	440V	500V	660V 690V	1000V			
JLC1-F115	115	30	55	59	59	75	80	65	1200	120	1000
JLC1-F1154	115	30	55	59	59	75	80	65	1200	120	1000
JLC1-F150	150	40	75	80	80	90	100	65	1200	120	1000
JLC1-F1504	150	40	75	80	80	90	100	65	1200	120	1000
JLC1-F185	185	55	90	100	100	110	110	100	600	100	600
JLC1-F1854	185	55	90	100	100	110	110	100	600	100	600
JLC1-F225	225	63	110	110	110	130	129	100	600	100	600
JLC1-F2254	225	63	110	110	110	130	129	100	600	100	600
JLC1-F265	265	75	132	140	140	160	160	147	600	80	600
JLC1-F2654	265	75	132	140	140	160	160	147	600	80	600
JLC1-F330	330	100	160	180	200	200	220	160	600	80	600
JLC1-F3304	330	100	160	180	200	200	220	160	600	80	600
JLC1-F400	400	110	200	220	250	257	280	185	600	80	600
JLC1-F4004	400	110	200	220	250	257	280	185	600	80	600
JLC1-F500	500	147	250	280	295	355	330	315	600	80	600
JLC1-F5004	500	147	250	280	295	355	335	335	600	80	600
JLC1-F630	630	200	335	375	400	400	450	450	600	80	600
JLC1-F6304	630	200	335	375	400	400	450	450	600	80	600
JLC1-F780	780	220	400	425	425	450	470	450	600	80	600
JLC1-F7804	780	220	400	425	425	450	475	450	600	80	600
JLC1-F800	800	250	415	450	450	450	470	450	600	80	600



JLC1-F115



JLC1-F150

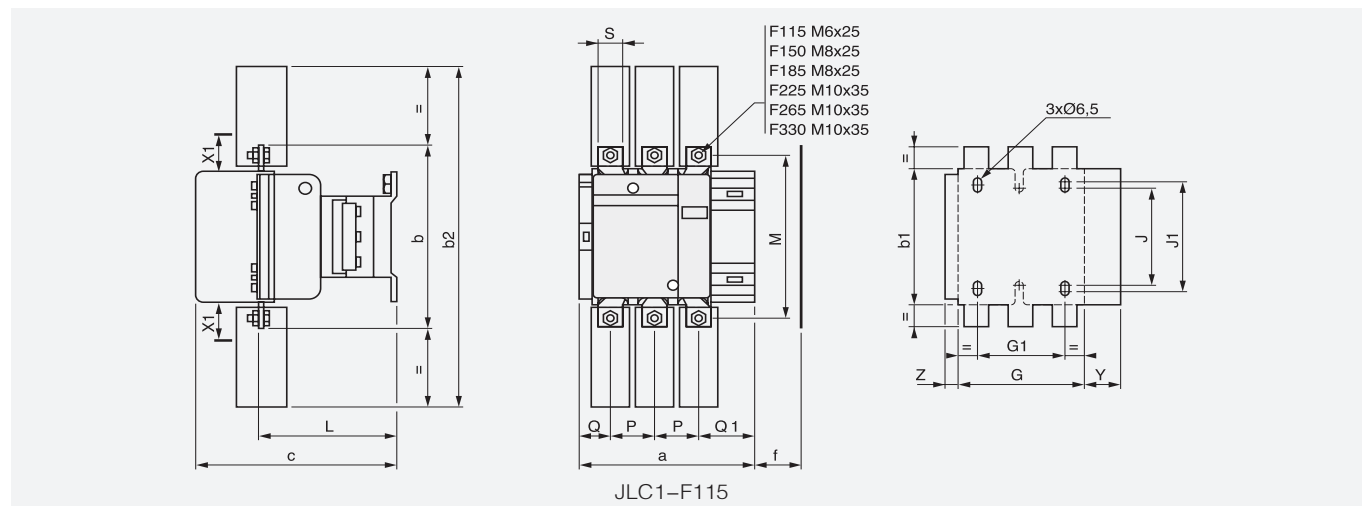


JLC1-F630



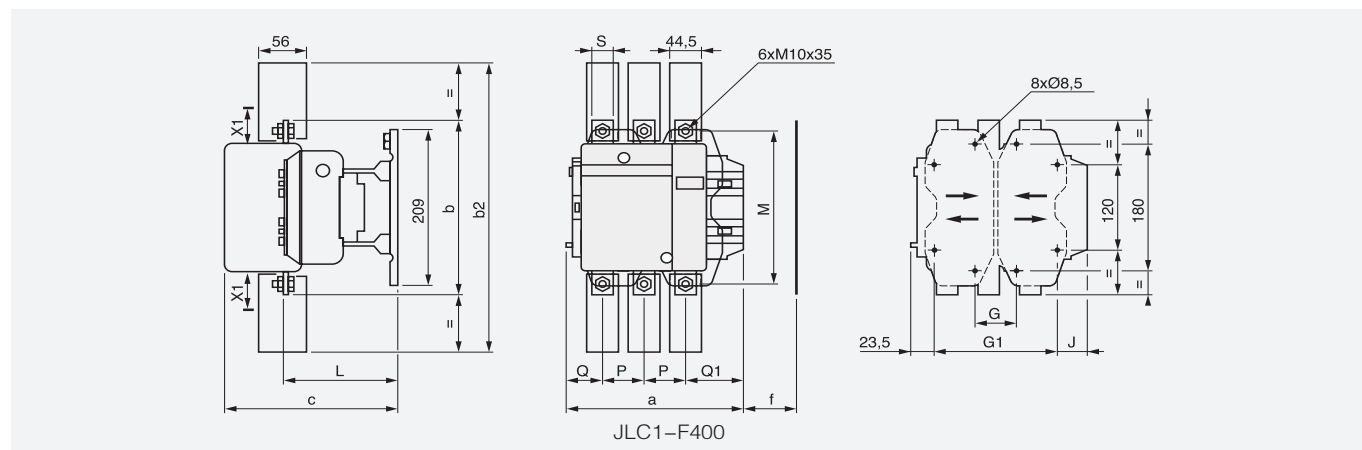
JLC1-F780

3. Outline And Mounting Dimension

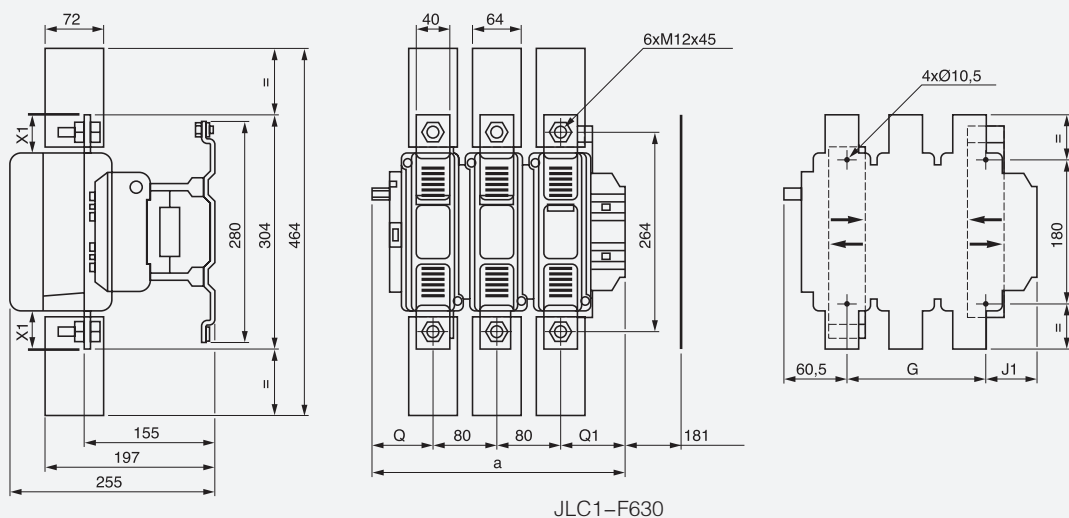


JLC1-		a	b	b1	b2	c	f	G	G1	J	J1	L	M	P	Q	Q1	S	1	Y	Z
F115	3P	163.5	162	137	265	171	131	106	80	106	120	107	147	37	29.5	60	20	26	44	13.5
	4P	200.5	162	137	265	171	131	143	80	106	120	107	147	37	29.5	60	20	26	44	13.5
F150	3P	163.5	170	137	301	171	131	106	80	106	120	107	150	40	26	57.5	20	34	44	13.5
	4P	200.5	170	137	301	171	131	143	80	106	120	107	150	40	26	57.5	20	34	44	13.5
F185	3P	168.5	174	137	305	181	130	111	80	106	120	113.5	154	40	29	59.5	20	34	44	13.5
	4P	200.5	174	137	305	181	130	151	80	106	120	113.5	154	40	29	59.5	20	34	44	13.5
F225	3P	168.5	197	137	364	181	130	111	80	106	120	113.5	172	48	21	51.5	25	44.5	44	13.5
	4P	208.5	197	137	364	181	130	151	80	106	120	113.5	172	48	17	47.5	25	44.5	44	13.5
F265	3P	201.5	203	145	375	213	147	142	96	106	120	141	178	48	39	66.5	25	44.5	38	21.5
	4P	244.5	203	145	375	213	147	190	96	106	120	141	178	48	34	66.5	25	44.5	38	21.5
F330	3P	213	206	145	375	213	147	154.5	96	106	120	145	181	48	43	74	25	44.5	38	20.5
	4P	261	206	145	375	213	147	202.5	96	106	120	145	181	48	43	74	25	44.5	38	20.5

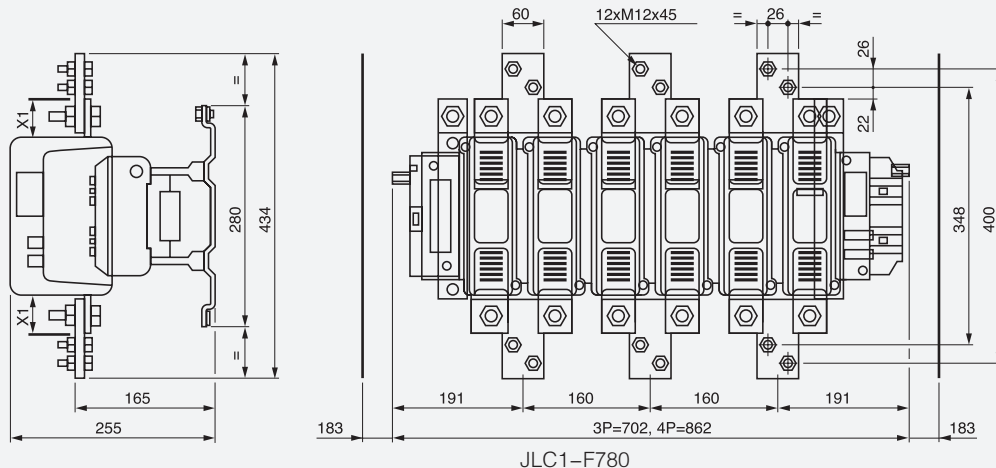
f= minimum distance required for coil removal



JLC1-		a	b	b2	c	f	G*	G min.	G max.	G1 *	G1 min.	G1 max.	J	L	M	P	Q	Q1	S
F400	2P	213	206	375	219	119	80	66	102	170	156	192	19.5	145	181	48	69	96	25
	3P	213	206	375	219	119	80	66	102	170	156	192	19.5	145	181	48	43	74	25
	4P	261	206	375	219	119	80	66	150	170	156	240	67.5	145	181	48	43	74	25
F500	2P	233	238	400	232	141	80	66	120	170	156	210	39.5	146	208	55	76	102	30
	3P	233	238	400	232	141	80	66	120	170	156	210	39.5	146	208	55	46	77	30
	4P	288	238	400	232	141	140	66	175	230	156	265	34.5	146	208	55	46	77	30

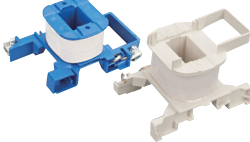


JLC1-F		a	G	G min.	G max.	J1	Q	Q1
F630	2P	309	180	100	195	68.5	102	127
F630, F800	3P	309	180	100	195	68.5	60	89
F630	4P	389	240	150	275	68.5	60	89



JLC1-F Bobbin of AC Contactor JLC1-F

Type	Used for contactor
LX1-FF	JLC1-F115~F150
LX1-FG	JLC1-F185~F225
LX1-FH	JLC1-F265~F330
LX1-FJ	JLC1-F400
LX1-FK	JLC1-F500
LX1-FL	JLC1-F630
LX1-FK(1)	JLC1-F780

	Sepecification	Model	Contact Number	Contactor Matched
	Auxiliary Contact 4-pole Front mount	F4-40	4NO	JLC1-09~95 JLC1-115~800
		F4-31	3NO+1NC	
		F4-22	2NO+2NC	
		F4-13	1NO+3NC	
		F4-04	4NC	
	Auxiliary Contact 2-pole Front mount	F4-20	2NO	JLC1-09~95 JLC1-115~800
		F4-11	1NO+1NC	
		F4-02	2NC	
	Auxiliary Contact 2-pole Side mount	F8-20	2NO	JLC1-09~95
		F8-11	1NO+1NC	
		F8-02	2NC	
 	1NO+1NC Pneumatic timer ON-delay	F5-T0	0.1~3s	JLC1-09~95 JLC1-115~800
		F5-T2	0.1~30s	
		F5-T4	10~180s	
	1NO+1NC Pneumatic timer OFF-delay	F5-D0	0.1~3s	
		F5-D2	0.1~30s	
		F5-D4	10~180s	
	Auxiliary Contact 4-pole Front mount	F4-DN40	4NO	JLC1-DN09~DN95
		F4-DN31	3NO+1NC	
		F4-DN22	2NO+2NC	
		F4-DN13	1NO+3NC	
		F4-DN04	4NC	
	Auxiliary Contact 2-pole Front mount	F4-DN20	2NO	JLC1-DN09~DN95
		F4-DN11	1NO+1NC	
		F4-DN02	2NC	
	Contactor Coil	JLX1-D2	AC Volts	JLC1-09~18
		JLX1-D4	AC Volts	JLC1-25~32
		JLX1-D6	AC Volts	JLC1-40~95
		JLX1-6N	AC Volts	JLC1-40~95
	Contactor Coil Water Proof	JLX1-FF	AC Volts	JLC1-115~150
		JLX1-FG	AC Volts	JLC1-185~225
		JLX1-FH	AC Volts	JLC1-265
		JLX1-FJ	AC Volts	JLC1-400
		JLX1-FK	AC Volts	JLC1-500
		JLX1-FL	AC Volts	JLC1-630
		JLX1-FX	AC Volts	JLC1-780

JLC2 REVERSING CONTACTOR



JLC2-09N



JLC2-32N



JLC2-80N

1. Application

JLC2-D of mechanical chain contacts (hereinafter referred to as mechanical chain contacts) is in the JLC2-D series AC contactor, based on the installation of machinery assembled chain body. It applies to AC 50 or 60Hz, rated voltage up to 660V and below, rated current up to 95A and the following circuit, for long-distance direct control of three-phase squirrel-cage motor starting, stopping and reversing operation. It has a mechanical chain, can ensure the safe operation of two reverse contacts to prevent short circuit accidents. With JRS1 series thermal relay contacts, which can be made for motor overload protection.

This series of touch products meet IEC60947-4-1, GB14048.4 standards.

2. Feature

Ambient air temperature of -5°C ~ 40°C, and the 24h average does not exceed 35°C.

Altitude: Altitude less than 2000m.

Atmospheric conditions: 40°C, relative humidity of the atmosphere does not exceed 50%; At a lower temperature allows a higher relative humidity, the wettest month of the monthly minimum temperature level does not exceed 25°C, the monthly mean maximum relative humidity of not more than 90%, due to temperature changes in the product of condensation occurring on the measures must be taken.

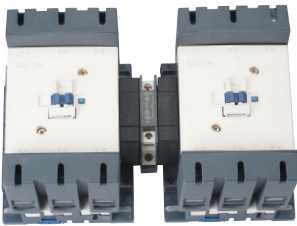
Pollution degree: 3;

Installation Category: III class;

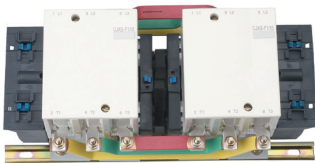
Installation conditions: The mounting surface and the vertical gradient is not greater than $\pm 5^\circ$.

Impulsive vibration: Product should be installed and used in the absence of a significant shake and shock, vibrations JLC2-D AC Contactor.

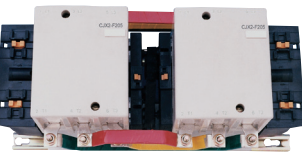
Type	Rated current AC-3(A)	Controlled power (KW)				
		220V	380V	415V	440V	660V
JLC2-09N	9	2.2	4	4	4	5.5
JLC2-12N	12	5.5	5.5	5.5	5.5	7.5
JLC2-18N	18	7.5	7.5	9	9	10
JLC2-25N	25	5.5	11	11	11	15
JLC2-32N	32	7.5	15	15	15	18.5
JLC2-40N	40	18.5	18.5	22	22	30
JLC2-50N	50	15	22	25	30	33
JLC2-65N	63	18.5	30	37	37	37
JLC2-80N	80	22	37	45	45	45
JLC2-95N	95	22	45	45	45	41
JLC2-115N	115	30	55	59	59	80
JLC2-150N	150	40	75	80	80	100
JLC2-170N	170	55	90	100	100	110
JLC2-205N	205	63	110	110	110	129
JLC2-245N	145	75	132	132	132	160
JLC2-300N	300	100	160	200	200	220
JLC2-410N	410	110	220	250	250	280
JLC2-475N	475	147	265	280	280	355
JLC2-620N	620	200	335	400	400	450



JLC2-150N



JLC2-F115N



JLC2-F205N

Table 2

Parameter Item	Type	JLC2- 115N	JLC2- 150N	JLC2- 170N	JLC2- 205N	JLC2- 245N	JLC2- 300N	JLC2- 410N	JLC2- 475N	JLC2- 620N
Rated working current (A)	380V AC-3	115	150	170	205	245	300	410	475	620
	220V	30	40	55	63	75	100	110	147	200
Standard power ratings of 3-phase motors 50/60Hz inn category AC-3 (KW)	380V	55	75	85	90	110	160	200	250	335
	660V	80	90	100	110	129	220	280	330	450
Per weight(Kg)	3P	4.32	4.32	4.32	9.9	10.2	18.4	18.7	24	38.8

3. Outline And Mounting Dimension

FIGURE 1 JLC2-09N~32N(Horizontal installation)

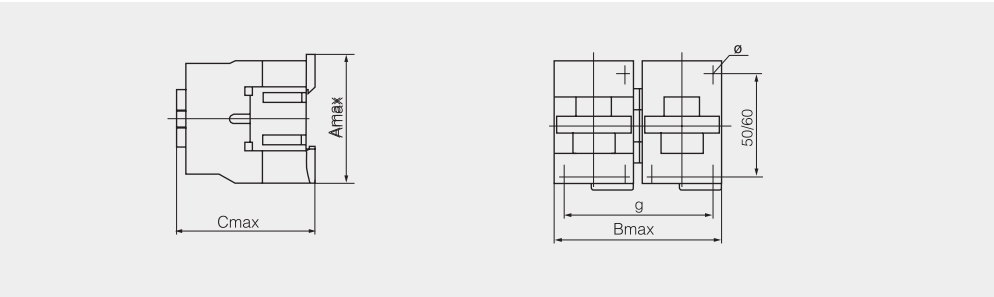
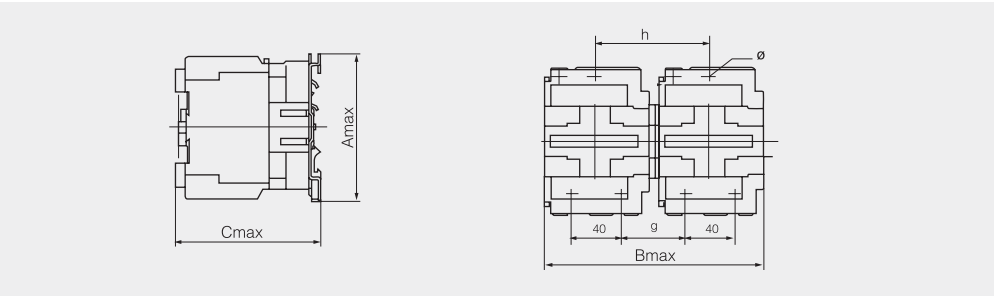


FIGURE 2 JLC2-40N~95N(Horizontal installation)



JLC2-09N~170N(Horizontal installation)

Table 4(Unit:mm)

Type	Amax	Bmax	Cmax	g	h	ø
JLC2-09N~12N	81	106	85	95	-	4.5
JLC2-18N	81	106	87	95	-	4.5
JLC2-25N	94	129	100	112	-	4.5
JLC2-32N	96	129	103	112	-	4.5
JLC2-40N~65N	129	165	116	50	90	6.5
JLC2-80N~95N	129	185	127	57	96	6.5
JLC2-115N~170N	162	268	133	242/256	-	6.5

JLC2-F115N~F330N,JLC2-205N~300N(Horizontal installation)

Table 5(Unit:mm)

Type	a	P	P1	Q1	S	ø	f	b	b1	M	c	L	G	J	H	ø1	Y	X1	
																		≤500V	>500V
JLC2-F115	346	37	78	60	15	M6	109	162	137	147	171	107	80	72	120/106	6.5	57	10	15
JLC2-F1154	420	37	78	60	15	M6	109	162	137	147	171	107	80	109	120/106	6.5	75.5	10	15
JLC2-F150	346	40	72	57.5	20	M8	109	170	137	150	171	107	80	72	120/106	6.5	57	10	15
JLC2-F1504	420	40	72	55.5	20	M8	109	170	137	150	171	107	80	109	120/106	6.5	75.5	10	15
JLC2-F185, 205	357	40	78	59.5	20	M8	117	174	137	154	181	113.5	80	78	120/106	6.5	59.5	10	15
JLC2-F1854	437	40	78	59.5	20	M8	117	174	137	154	181	113.5	80	118	120/106	6.5	79.5	10	15
JLC2-F225,245	357	48	62	51.5	25	M10	117	197	137	175	181	113.5	80	78	120/106	6.5	59.5	10	15
JLC2-F2254	437	48	54	47.5	25	M10	117	197	137	175	181	113.5	80	118	120/106	6.5	79.5	10	15
JLC2-F265	424	48	99	66.5	25	M10	143	203	145	178	213	141	96	109	120/106	6.5	61.5	10	15
JLC2-F2654	520	48	99	66.5	25	M10	143	203	145	178	213	141	96	157	120/106	6.5	85.5	10	15
JLC2-F330,400	445	48	105	74	25	M10	143	206	145	181	219	145	96	122	120/106	6.5	65.5	10	15
JLC2-F3304	541	48	105	74	25	M10	143	206	145	181	219	145	96	170	120/106	6.5	89.5	10	15

JLC2-F400N~F500N,JLC2-410N~475N(Horizontal installation)

Table 6(Unit:mm)

Type	a	P	P1	Q1	S	ø	f	b	b1	M	c	L	G	G1	J	H	ø1	Y	X1	
																			≤500V	>500V
JLC2-F400,410	445	48	105	74	25	M10	151	206	209	181	219	145	80	170	156	170/180	8.5	19.5	15	20
JLC2-F4004	541	48	105	74	25	M10	151	206	209	181	219	145	80	170	156	170/180	8.5	67.5	15	20
JLC2-F500,475	485	55	111	77	30	M10	169	238	209	208	232	146	80	170	156	170/180	8.5	39.5	15	20
JLC2-F5004	595	55	111	77	30	M10	169	238	209	208	232	146	140	230	156	170/180	8.5	34.5	15	20

JLC2-F630N~F800N,JLC2-620N(Horizontal installation)

Table 7(Unit:mm)

Type	a	P	P1	Q1	S	ø	f	b	b1	M	c	L	G	J	H	ø1	Y	X1	
																		≤500V	>500V
JLC2-F630,620	636	80	138	89	40	M12	201	304	280	264	255	155	180(100/195)	139	180/190	10.5	68.5	20	30
JLC2-F6304	796	80	138	89	40	M12	201	304	280	264	255	155	240(150/275)	139	180/190	10.5	68.5	20	30
JLC2-F800	636	80	138	89	40	M12	201	304	280	264	255	155	180(100/195)	139	180/190	10.5	68.5	20	30

JLC2-F115N~F330N(Vertical installation)

Table 8(Unit:mm)

Model type	a	P	P1	Q1	S	ø	f	b	P1	M	c	L	G	H	J	ø1	Y	X1	
																		≤500V	>500V
JLC2-F115	184	37	60	50	15	M6	109	357-472	48-163	147	171	107	80	120	80-195	6.5	57	10	15
JLC2-F1154	221	37	60	50	15	M6	109	357-472	48-163	147	171	107	80	120	80-195	6.5	75.5	10	15
JLC2-F150	184	40	57	47	20	M8	109	365-480	45-160	150	171	107	80	120	80-195	6.5	57	10	15
JLC2-F1504	221	40	55.5	45.5	20	M8	109	365-480	45-160	150	171	107	80	120	80-195	6.5	75.5	10	15
JLC2-F185	192	40	59.5	52.5	20	M8	117	389-484	61-156	154	181	113.5	80	120	100-195	6.5	59.5	10	15
JLC2-F1854	232	40	59.5	52.5	20	M8	117	389-484	41-156	154	181	113.5	80	120	100-195	6.5	79.5	10	15
JLC2-F225	192	48	51.5	44.5	25	M10	117	412-507	43-138	172	181	113.5	80	120	100-195	6.5	59.5	10	15
JLC2-F2254	232	48	47.5	40.5	25	M10	117	412-507	43-138	172	181	113.5	80	120	100-195	6.5	79.5	10	15
JLC2-F265	226	48	66.5	63.5	25	M10	143	448-583	47-202	178	213	141	96	120	130-265	6.5	61.5	10	15
JLC2-F2654	274	48	66.5	63.5	25	M10	143	448-583	47-202	178	213	141	96	120	130-265	6.5	85.5	10	15
JLC2-F330	240	48	74	70	25	M10	143	481-586	94-199	181	219	145	96	120	160-265	6.5	65.5	10	15
JLC2-F3304	288	48	74	70	25	M10	143	481-586	94-199	181	219	145	96	120	160-265	6.5	89.5	10	15

JLC2-F400N~F500N(Vertical installation)

Table 9(Unit:mm)

Model type	a	P	Q1	Q	S	ø	f	b	P1	M	c	L	G	G1	H	J	ø1	Z	Y	X1	
																				≤500V	>500V
JLC2-F400	240	48	74	70	25	M10	151	481-586	94-199	181	219	145	80	170	180	100/205	8.5	50.5	19.5	15	20
JLC2-F4004	288	48	74	70	25	M10	151	481-586	94-199	181	219	145	80	170	180	100/205	8.5	50.5	67.5	15	20
JLC2-F500	261	55	77	74	30	M10	169	533-618	87-172	208	232	146	80	170	180	120/205	8.5	51.5	39.5	15	20
JLC2-F5004	316	55	77	74	30	M10	169	533-618	87-172	208	232	146	140	230	180	120/205	8.5	51.5	34.5	15	20

JLC2-F630N~F800N(Vertical installation)

Table 10(Unit:mm)

Model type	a	P	Q1	Q	S	ø	f	b	P1	M	c	L	G	H	J	ø1	Z	Y	X1	
																			≤500V	>500V
JLC2-F630	309	80	89	60	40	M12	201	669-684	101-116	264	255	155	180(100-195)	190	180-195	10.5	60.5	68.5	20	30
JLC2-F6304	389	80	89	60	40	M12	201	669-684	106-116	264	255	155	240(150-275)	190	180-195	10.5	60.5	88.5	20	30
JLC2-F800	309	80	89	60	40	M12	201	669-684	106-116	264	255	155	180(100-195)	190	180-195	10.5	60.5	68.5	20	30

JLC2-F780N(Vertical installation)

Table 11(Unit:mm)

Model type	a	P	Q1	Q	S	ø	f	b	P1	M	H	c	L	G	G1	H	ø1	Z	Y	X1	
																				≤500V	>500V
JLC2-F780	704	160	192	192	60	M12	201	435	81-101	400-438	202	225	165	240	-	180	10.5	91	133	20	30
JLC2-F7804	864	160	192	192	60	M12	201	435	81-101	400-438	202	225	165	240	190	180	10.5	91	103	20	30

4. Ordering Instructions

When placing an order,you should point out the below:

1. Product name and model, rated operational voltage and frequency of coil, order quantity.

Ordering example: Reversing Contactor JLC2-40N AC 220V 50Hz 60PCS.

JLC1-K AC contactor

1. Application Range

JLC1-K series AC contactor is suitable for use in the circuit up to the rate and frequent starting, controlling the AC motor. The addition of auxiliary contact group to the contactor, combined with the proper thermal relay, can act to protect the circuit bound to overload.

It conforms to IEC60947-4-1.

2. Main Parameter And Technical Characteristic



JLC1-K12



JLC1-K09N



JLC1-K09NZ



F4-K11

Table1

Parameter		Type	06	09	12
Item					
Rating working current(V)	380V	AC-3	6	9	12
		AC-4	2.6	3.5	5
Rating working voltage(V)			690	690	690
Appointed heating current(A)			16	20	20
Three phases cage motors power which can be pulled AC3(KW)	220V		1.5	2.2	3
	380V		2.2	4	5.5
	660V		3	5.5	7.5
Operation frequency (time/hour)	Electrical life ($\times 10^4$)	AC-3	1200	1200	1200
		AC-4	300	300	300
	Mechanical life ($\times 10^4$)		3600	3600	3600
Electrical life		AC-3	50	50	50
		AC-4	10	10	10
Mechanical life			1000	1000	1000
Auxiliary contact block		Combination	F4-K20,F4-K02,F4-K11,F4-K31 F4-K13,F4-K40,F4-K04		
		Conventionnal heating current	6A	6A	6A
		Control capacity	AC-15 360VA;DC-13 33W		
Matching fusing model			RT16-16	RT16-16	RT16-16
Average power consumption (VA) 20°C	50Hz	Pick-up	30	30	30
		Holding	4.5	4.5	4.5
Number of piece			1	1	1
Cable(mm ²)			2.5	2.5	2.5
Screw size			M3	M3	M3
Tightening torque (N. M)			0.5	0.5	0.5
Unit weight (kg)		JLC1-K	0.18	0.18	0.18
		JLC1-KN	0.36	0.36	0.36
		JLC1-KZ	0.18	0.18	0.18

3. Outline And Mounting Dimension

FIGURE 1 JLC1-K06~K12

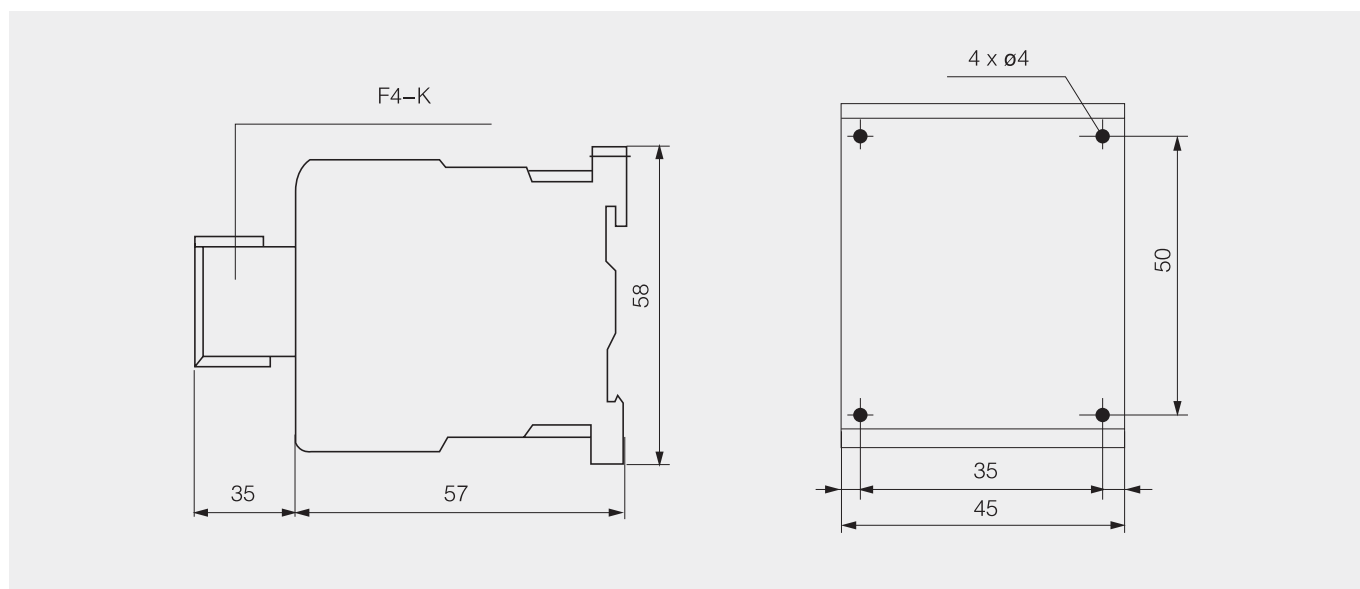
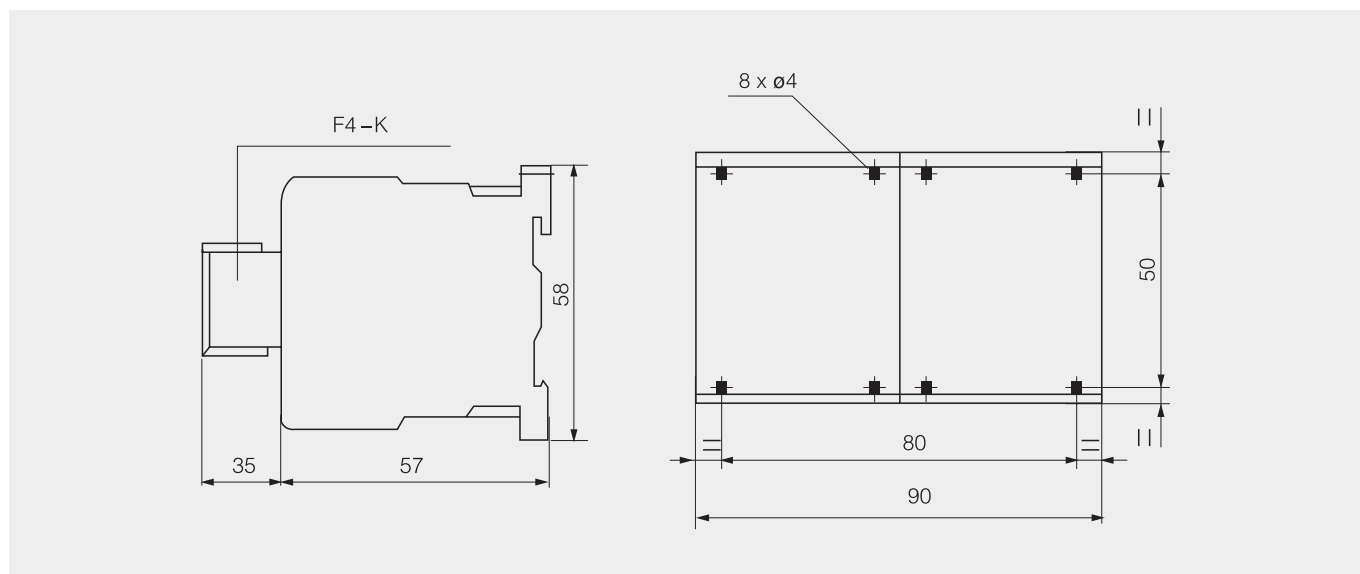


FIGURE 2 JLC1-K06N~K12N



4. Ordering Instructions

When placing an order ,you should point out the below:

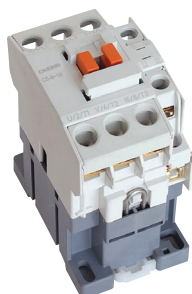
1. Product name and model, rated operational voltage and frequency of coil, order quantity.

Ordering example: JLC1-K0910 AC 220V 50Hz 10PCS

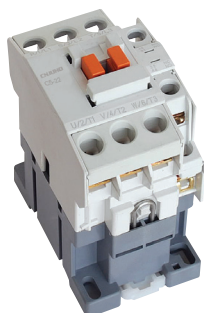
JGMC AC contactor

1. Application Range

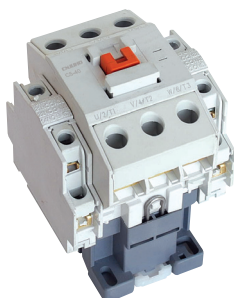
JGMC series AC contactor is suitable for using in the circuits up to the rated voltage 660V AC 50/60Hz, rated current up to 85A, for making, breaking, frequently starting & controlling the AC motor. Combined with the auxiliary contact block, timer delay & machine-interlocking device etc, it becomes the delay contactor, mechanical interlocking contactor, star-delta starter. With the thermal relay, it is combined into the electromagnetic starter. It conforms to IEC60947-1 standard.



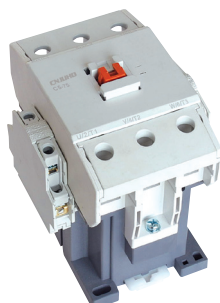
JGMC-9~18



JGMC-22~32



JGMC-40~65

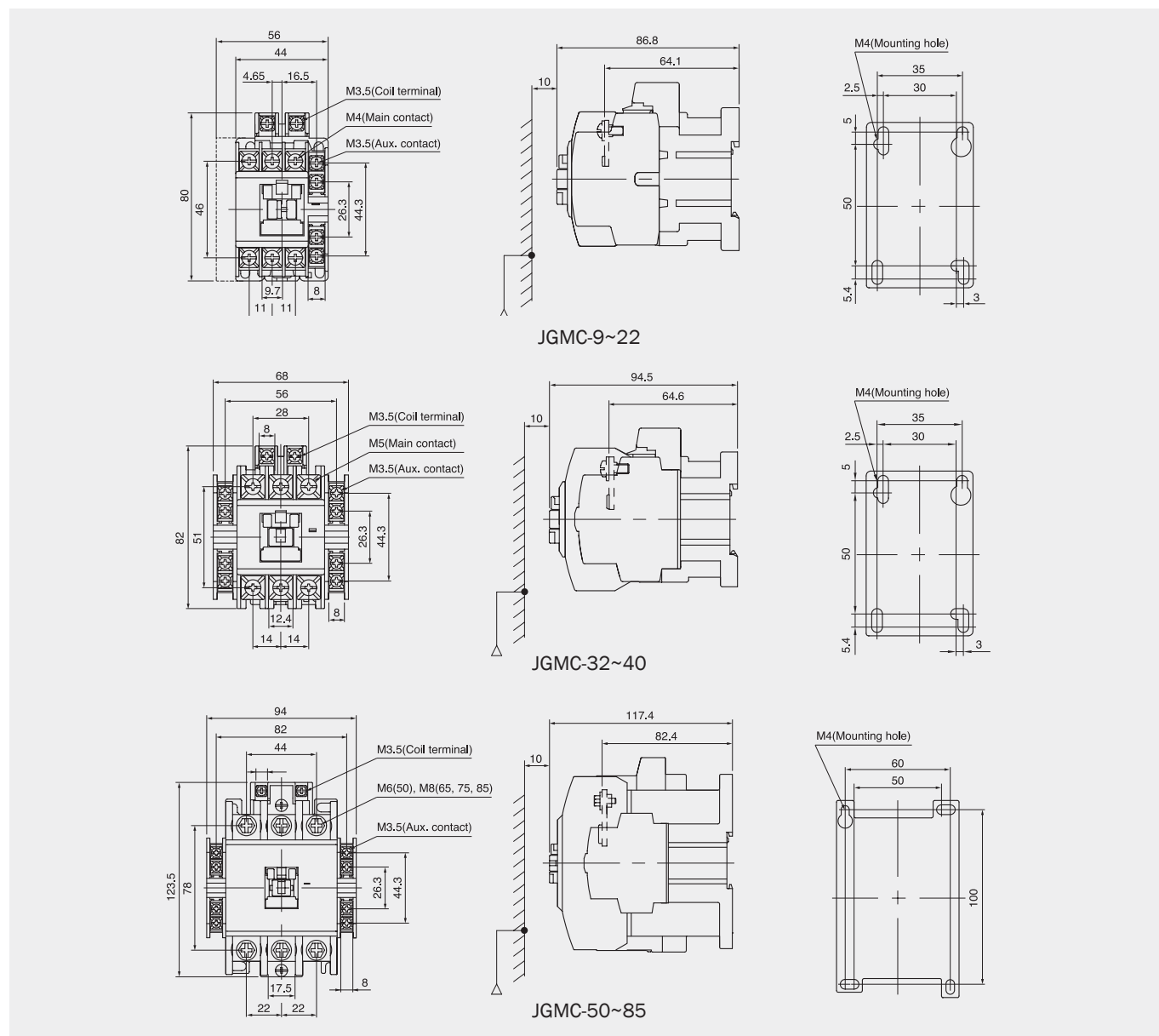


JGMC-75~85

2. Specification

Type			JGMC-9	JGMC-12	JGMC-18	JGMC-22	JGMC-32
AC1 duty			20A	20A	25A	32A	50A
AC3 duty		200~240V	2.5kW11A	3.5kW13A	4.5kW18A	5.5kW22A	7.5kW32A
		380~440V	4kW9A	5.5kW12A	7.5kW18A	11kW22A	15kW32A
		500~550V	4kW7A	7.5kW12A	7.5kW13A	15kW22A	18.5kW28A
		690V	4kW5A	7.5kW9A	7.5kW9A	15kW18A	18.5kW21A
Continuous current(Ith)			20A	25A	30A	32A	45A
AC motor	Single phase	115V	0.5HP	0.5HP	1HP	2HP	2HP
		230V	1HP	2HP	3HP	3HP	5HP
	Three phase	200V	2HP	3HP	5HP	7HP	7.5HP
		230V	3HP	3HP	5HP	7.5HP	10HP
		460V	2HP	7.5HP	10HP	10HP	20HP
		575V	5HP	10HP	15HP	15HP	20HP
Type			JGMC-40	JGMC-50	JGMC-65	JGMC-75	JGMC-85
AC1 duty			60A	80A	100A	110A	135A
AC3 duty		200~240V	11kW40A	15kW55A	18.5kW65A	22kW75A	25kW85A
		380~440V	18.5kW40A	22kW50A	30kW65A	37kW75A	45kW85A
		500~550V	22kW32A	30kW43A	37kW60A	45kW64A	45kW75A
	690V	22kW25A	30kW33A	37kW47A	45kW47A	45kW52A	
Continuous current(Ith)			50A	70A	80A	90A	100A
AC motor	Single phase	115V	3HP	3HP	5HP	5HP	7.5HP
		230V	5HP	7.5HP	10HP	15HP	15HP
	Three phase	200V	10HP	10HP	15HP	20HP	25HP
		230V	10HP	15HP	20HP	25HP	30HP
		460V	25HP	30HP	40HP	50HP	50HP
		575V	25HP	30HP	40HP	50HP	50HP

3. Outline And Mounting Dimension



JGMC Auxiliary for AC Contactor JMC

Type	Contact No.		PIC
	NO	NC	
JAU-2-20	2	0	
JAU-2-11	1	1	
JAU-2-02	0	2	
JAU-4-40	4	0	
JAU-4-31	3	1	
JAU-4-22	2	2	
JAU-4-13	1	3	
JAU-4-04	0	4	

J3TF AC contactor

1. Application range



J3TF9

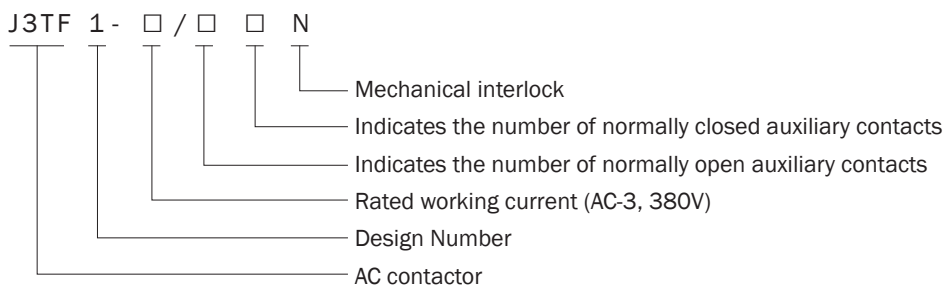
CJIX1-F series slag contactor utilises dry AC 50Hz or 60Hz, rated insulation voltage is 690-1000V, rated working voltage is 0.475A when rated working voltage is 380V under AC-3 use category, and the main supply distance is It is used for connecting surge and breaking circuit, and is suitable for controlling the start, stop and reverse of AC motors.

Comply with GB/T14048.4, IEC60947-4-1, VDE0660 and other standards.

2. Product number



CJIX1-F16



CJIX1-F32

3. Working conditions

- ◆ The altitude does not exceed 2000 meters;
- ◆ Ambient temperature: -25°C~+55°C;
- ◆ Relative air humidity: no more than 50% at +40°C, no more than 90% at +25°C;
- ◆ Atmospheric conditions: there is no medium that can cause explosion hazard, and there is no gas or conductive dust that corrodes metal and damages insulation;
- ◆ Where there is no significant shaking and shock vibration;
- ◆ In a place where there is no rain or snow.

4. Main parameters and technical performance

Type	Rated thermal current (A)	Mechanical life×10 ⁶	Conventional heating current	Electric life ×10 ⁶		250Rated working current(380V)(A)		Controllable motor power (kW) 50Hz						
								AC-3					AC-4	
				380V	660V	AC 3	AC 4	230 /220V	400/ 380V	500V	690/ 660V	1000V	400/ 380V	690/ 660/
CJX1-9F	690	15	20	1.2	0.2	9	3.3	2.4	4	5.5	5.5	-	14.8/1.4	2.54/2.4
CJX1-12F	690	15	20	1.2	0.2	12	4.3	3.3	5.5	7.5	7.5	-	2/1.9	3.45/3.3
CJX1-16F	690	15	30	1.2	0.2	16	7.7	4	7.5	9	9	-	3.5	6
CJX1-22F	690	15	30	1.2	0.2	22	8.5	5.5	11	11	11	-	4	6.6
CJX1-32F	690	10	45	1.2	0.2	32	15.6	8.5	15	21	23	-	7.5	13
CJX1-38F	690	10	55	1.2	0.2	38	18.5	11	18.5	25	23	-	9	15.5
CJX1-45	1000	10	80	1.2	0.2	45	24	15	22	30	39	-	12.6/12	21.8/208
CJX1-63	1000	10	80	1.2	0.2	63	28	18.5	30	41	55	-	14.7/14	25.4/24.3
CJX1-75	1000	10	100	1.2	0.2	75	34	22	37	50	67	39	17.9/17	30.9/29.5
CJX1-85	1000	10	100	1.2	0.2	85	42	26	45	59	67	39	22/21	38/36
CJX1-110	1000	10	160	1.2	0.2	110	54	37	55	76	100	658	28.4/27	49/46.9
CJX1-140	1000	10	160	1.2	0.2	140	68	43	75	98	100	65	36/35	63/60
CJX1-170	1000	10	220	1.2	0.2	170	75	55	90	118	156	90	40/38	69/66
CJX1-205	1000	10	220	1.2	0.2	205	96	64	110	145	156	90	52/50	90/86
CJX1-250	1000	10	300	1.2	0.2	250	110	78	132	178	235	132	61/58	105/100
CJX1-300	1000	10	300	1.2	0.2	300	125	93	160	210	235	132	69/66	119/114
CJX1-400	1000	10	400	1.2	0.2	400	150	125	22	248	375	250	85/81	147/140
CJX1-475	1000	10	475	1.2	0.2	475	165	148	252	342	432	250	110/104	197/190

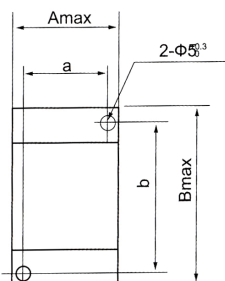
5. Shape and installation dimensions



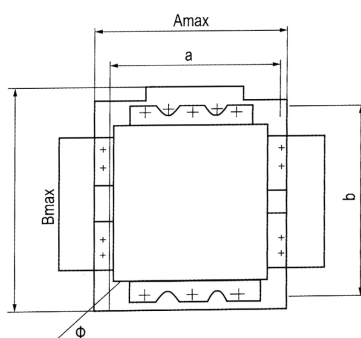
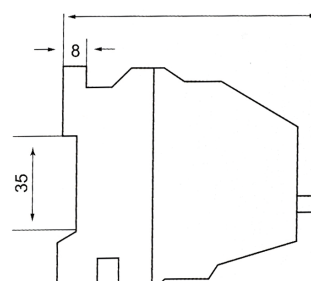
CJX1-F63



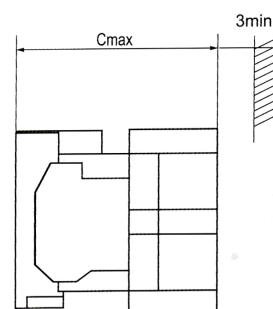
CJX1-F110



CJX1-9~32F接触器外型及安装尺寸



CJX1-45~475F接触器外型及安装尺寸



Type	A max	B max	C max	a	b	c
CJX1-9,12	45	78.5	104(90)	35+0.31	60+0.37	
CJX1-16,22	46	85	114	35+0.31	75+0.37	
CJX1-32,38	74	88	08	50+0.31	75+0.37	
CJX1-45,63	91(114)	120	124	70+0.6	100+0.2	4.8
CJX1-75,85	102(125)	135	142	80+0.6	100+0.2	5.5
CJX1-110,140	122(145)	156	154	100+0.2	130+0.8	6.5
CJX1-170,205	140(1 63)	185	190	100+0.2	160+0.8	7
CJX1-250,300	150(173)	205	200	120+0.2	180+0.8	9
CJX1-400,475	165(1 88)	205	225	130+0.8	180+0.8	9

J3TB AC Contactor

1. Application

J3TB series AC contactors are suitable for frequency 50/60Hz, rated insulation voltage up to 1000V, rated operation current 9~475A under AC-3 duty. It is mainly used for making/breaking electric circuit at a long distance & for frequent starting/stopping & with thermal relay to compose a magnetic motor starter.

The product conforms to IEC60947-4-1, VDE0660, GB14048.4 standard.



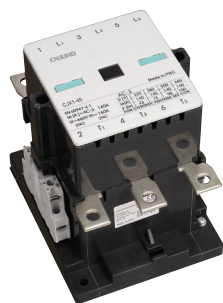
J3TB -9,12



J3TB -16,22

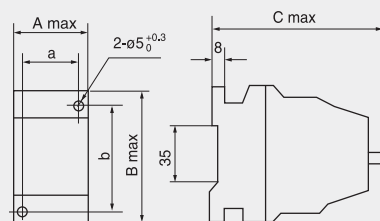


J3TB -32

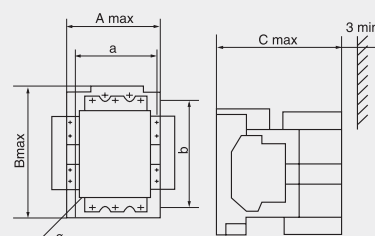


J3TB -45~85

2. Outline and Mounting Dimension



J3TB -0.9~32 (Table 1)



J3TB -45~475 (Table 2)

Table 1

Type	A max	B max	C max	a	b
J3TB -9,12	45	78.5	104(90)	35+0.31	60+0.37
J3TB -16,22	46	85	114	35+0.31	75+0.37
J3TB -32	74	88	108	50+0.31	75+0.37

Table 2

Type	A max	B max	C max	a	b	ø
J3TB -45,63	91(114)	120	124	70+0.6	100+0.2	4.8
J3TB -75,85	102(125)	135	142	80+0.6	100+0.2	5.5
J3TB -110,140	122(145)	156	154	100+0.2	130+0.8	6.5
J3TB -170,205	140(163)	185	190	100+0.2	160+0.8	7
J3TB -250,300	150(173)	205	200	120+0.2	180+0.8	9
J3TB -400,475	165(188)	205	225	130+0.8	180+0.8	9



CJX1-9Z



CJX1-16Z



CJX1-32Z

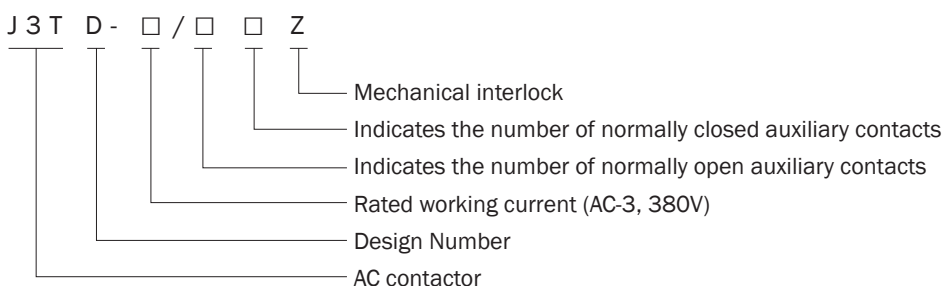
J3TD AC Contactor

1. Application range

The J3TDseries mechanical interlocking reversible contactor is AC 50Hz or 60Hz, the rated insulation voltage is 690-1000V, and the rated working current is 9A-475A when the rated working voltage is 380V under the AC-3 usage category. Mainly used to control the forward and reverse rotation of AC motors.

Comply with GB/T14048.4, IEC60947-4-1, VDE0660 and other standards.

2. Product number

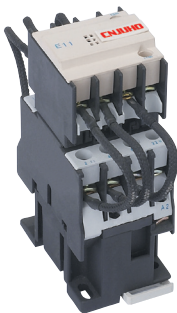


3. Main parameters and technical performance

Type	Rated insulation voltage(V)	Mechanical life×10 ⁶	Electric life×10 ⁶		Rated working current(380V)(A)		Controllable motor power (kW) 50Hz					
			AC-3	AC-3	AC 3	AC 4	AC-3				AC-4	
							230 / 220V	400/ 380V	500V	690/ 660V	400/ 380V	690/ 660/
CJX1-9/Z	660	10	1.0	0.2	9	3.3	2.4	4	5.5	5.5	1.4	2.4
CJX1-12/Z	660				12	4.3	3.3	5.5	7.5	7.5	1.9	3.3
CJX1-16/Z	660				16	4	4	7.5	10	11	3.5	6
CJX1-22/Z	660				22	6.1	6.1	11	11	11	4	6.6
CJX1-32/Z	660				32	8.5	8.5	15	15	23	7.5	13

Attracting coil power consumption					Working voltage range of attracting coil	Operating frequency		Conventional heating current	Auxiliary contact current (A)		Auxiliary contact agreed hair current (A)	Auxiliary contact rated insulation voltage (A)
AC(50Hz)				DC		AC-3	AC-4		AC-15 380/220V	DC-13 110/220V		
maintain (VA)	Power Factor	Pull in (VA)	Power Factor	Pull and hold(VA)								
10	0.29	68	0.82	6.2	0.8~1.1	1000	250	20	6/10	0.9/0.45	10	660
10	0.29	68	0.82	6.2	0.8~1.1	1000	250	20	6/10	0.9/0.45	10	660
10	0.29	68	0.82	6.2	0.8~1.1	750	250	30	6/10	0.9/0.45	10	660
10	0.29	68	0.82	6.2	0.8~1.1	750	250	30	6/10	0.9/0.45	10	660
10	0.29	68	0.82	6.2	0.8~1.1	750	250	55	4/6	0.9/0.45	10	660

CJ19 CHANGEOVER CAPACITOR CONTACTOR



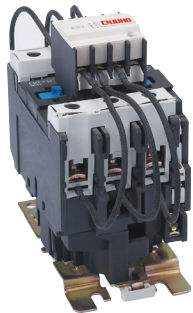
CJ19-25



CJ19-43



CJ19-63



CJ19-95

1. Application Range

CJ19 Changeover capacitor contactor is especailly used for low voltage shunt capacitor. And it widely used in reactive power compensation equipment with AC 50Hz and voltage 380V, inrush current system in the contactor can decrease shock to capactior and lower switching overvoltagein while breaking a circuit. Moreover, it can replace transfer device which are composed of one contactor and three current limiting reactors, its feature is small, light, joins convenient and reliable, huge capacity of turning on/off.

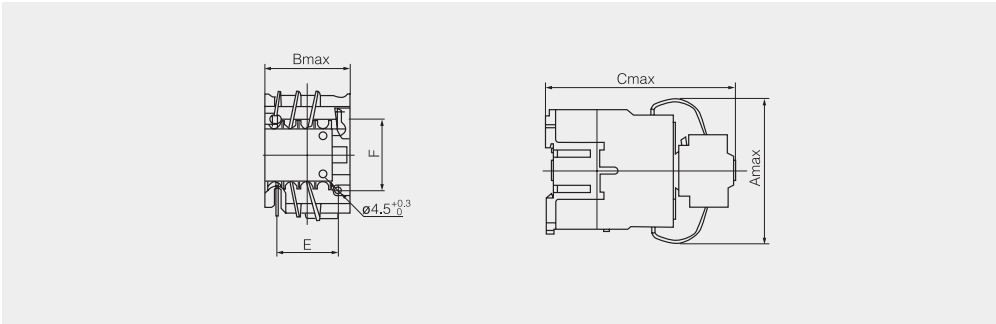
This product conforms to GB14048.4,IEC60947-4-1 standard.

2. Main Parameters And Technical Performance

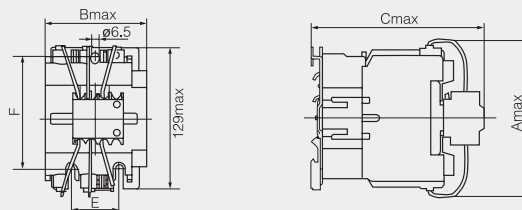
Parameter	Type	CJ19-25	CJ19-32	CJ19-43	CJ19-63	CJ19-80	CJ19-95
Rated current (A)	380V	17	23	29	43	58	72
Controllable capacitor capacity (kVar)	230V	6.5	8.5	10	20	21	21
	400V	12	16.7	20	32	40	50
Rated insulation voltage Ui (V)		690	690	690	690	690	690
Restrained surge capacity		20In	20In	20In	20In	20In	20In
Electrical life		10	10	10	8	6	6
Operating characteristic		Pick up:(85%~110%)Us:Drop-out:(20%~75%)Us					
Average power consumption (VA) (20°C)	Strar-up	76	110	110	230	230	230
	Holding	9.4	11	11	32	32	32
Control capacity of auxiliary contact		AC-15 360VA:DC-13 33W					
Unit weight (kg)		0.44	0.60	0.63	1.33	1.5	1.5

3. Outline And Mounting Dimension

CJ19-25~43



CJ19-63~95



Type	Amax	Bmax	Cmax	E	F
CJ19-25	117	47	123	35	50/60
CJ19-32	130	58	130	40	50/60
CJ19-43	130	58	135	40	50/60
CJ19-63	170	79	150	40	100/110
CJ19-80	200	87	158	40	100/110
CJ19-95	200	87	158	40	100/110

4. Design Feature

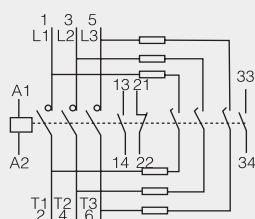
The contactor is a direct moving double breakpoint structure, the contact system is divided into two layers, and the upper layer has three pairs of current limiting contacts and current-limiting resistance consist of inrush current device. When it is closed, it is connected to the work contact after several milliseconds, and the permanent magnetic block in the current limit contact is released by the spring reaction. Disconnect the current-limiting resistor to make the capacitor work properly and the contactor internal circuit connection diagram (see figure 3).

CJ19-25~43 have two auxiliary contacts, CJ19-63~95 have three auxiliary contacts.

For CJ19-25~43, Screws are available for installation, as well as the 35mm standard din rail.

For CJ19-63~95, 35mm or 75mm standard din rail can be mounted are available for installation.

Photo 3 Example:CJ19-63/21,95/21



5. Ordering Instructions

When placing an order,you should point out the below:

Model, rated operational voltage and frequency of coil and quantity

Example:Changeover capacitor contactor CJ19-32/11 AC 220 50Hz 500PCS

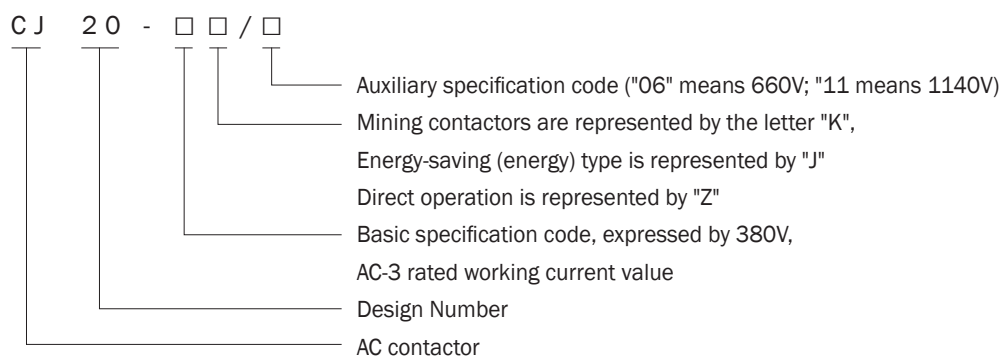
CJ20 AC contactor

1. Application Range

CJ20 series AC contactors are mainly used for AC 50Hz (or 60Hz), rated working voltage up to 660V (or 1140V) rated working current up to 630A in the power system for long-distance frequent connection and breaking of circuits, and can be connected with appropriate thermal relays Or an electronic protection device is combined into an electromagnetic starter to protect the circuit that may be overloaded.

The product complies with GB/T14048.4, IEC60947-4-1 and other standards.

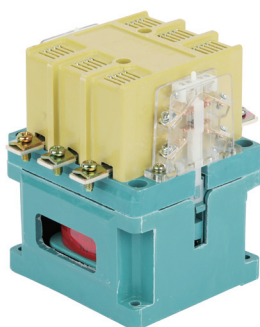
2. Product Number



CJ20-40



CJ20-100



CJ20-250

3. Outline And Mounting Dimension

The contactor is fixed and installed with screws. CJ20-10~25 can also be installed with 35mm standard rails. The appearance and installation dimensions are shown in Figure 1, Figure 2, Figure 3 and Table 4.

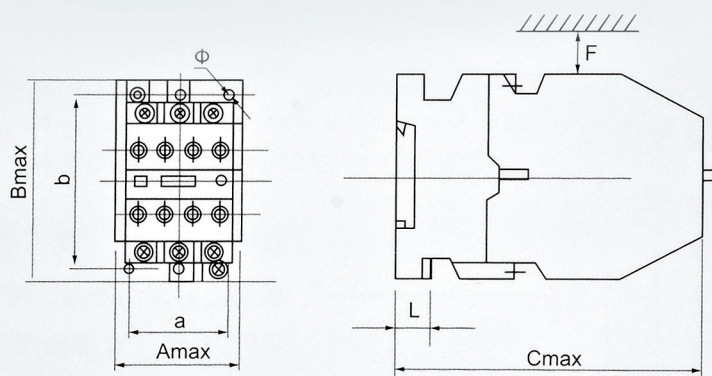


Figure 1 CJ20-10, 16, 25 shape and installation dimensions

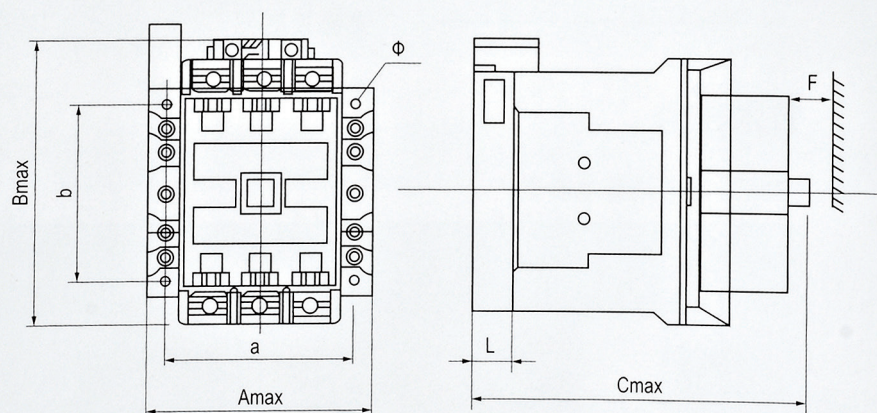


Figure 2 CJ20-40 appearance and installation dimensions

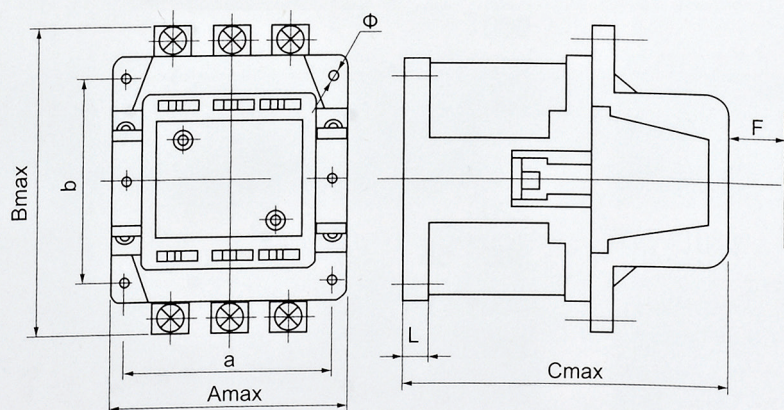


Figure 3 CJ20-60~630 appearance and installation dimensions

Type	A	B	C	a	b	Φ	L	Fmin
	mm							
CJ20-10	44.5	67.5	107	35±0.31	55±0.37	5 ^{+0.3} ₀	8	10
CJ20-16	44.5	73	116.5	35±0.31	60±0.37	5 ^{+0.3} ₀	8	10
CJ20-25	53	91	122	40±0.31	80±0.37	5 ^{+0.3} ₀	7.5	10
CJ20-40	87	112.5	125	70±0.31	80±0.37	5 ^{+0.3} ₀	15.5	30
CJ20-63	116	142	146	100±0.36	90±0.36	5.8 ^{+0.3} ₀	13	60
CJ20-100	122	147	154	108±0.435	92±0.435	7 ^{+0.58} ₀	15	70
CJ20-160	146	187	178	130±0.5	130± 0.5	9 ^{+0.58} ₀	15	80
CJ20-250	190	235	230	160±0.5	130±0.5	9 ^{+0.58} ₀	17	100
CJ20-400	190	235	230	160±0.5	150±0.5	9 ^{+0.58} ₀	17	110
CJ20-630	245	294	287	210±0.575	150± 0.5	11 ^{+0.58} ₀	20	120

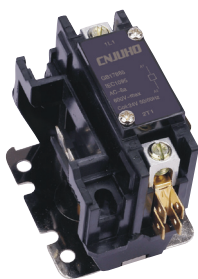
CJX9 AC contactor

1. Partial Listing Of Available 1&2 Pole Contactors

1 Pole NO with or without shunt ; 2 Pole NO ; Silver Cadmium Oxide Contacts.



CJX9-1P30A



CJX9-1P40A



CJX9-2P30A



CJX9-2P40A

Fla Rating	Number Of Poles	24V Coil	120V Coil	208/240V Coil	277V Coil
20 FLA	1	CJX9-1XQ00AA	CJX9-1XT00AA	CJX9-1XU00AA	CJX9-1XV00AA
	2	CJX9-2XQ00AA	CJX9-2XT00AA	CJX9-2XU00AA	CJX9-2XV00AA
25 FLA	1	CJX9-1XQ01AA	CJX9-1XT01AA	CJX9-1XU01AA	CJX9-1XV01AA
	2	CJX9-2XQ01AA	CJX9-2XT01AA	CJX9-2XU01AA	CJX9-2XV01AA
30 FLA	1	CJX9-1XQ02AA	CJX9-1XT02AA	CJX9-1XU02AA	CJX9-1XV02AA
	2	CJX9-2XQ02AA	CJX9-2XT02AA	CJX9-2XU02AA	CJX9-2XV02AA
40 FLA	1	CJX9-1XQ04GG	CJX9-1XT04GG	CJX9-1XU04GG	CJX9-1XV04GG
	2	CJX9-2XQ04GG	CJX9-2XT04GG	CJX9-2XU04GG	CJX9-2XV04GG

INITIAL DIELECTRIC STRENGTH

Between contacts & coils: 2,200 VAC

Between poles: 2,200 VAC (includes shunt)

Between open contacts: 2,200 VAC (no shunt)

ARC COVER

Optional on 20-30 FLA ; Standard on 40 FLA

INSULATION SYSTEM

130°C Class B

TEMPERATURE EANGE

-40°C to +65°C

-40°F to +150°F

UNIT WEIGHT

1Pole .5lb

2Pole .6lb

POWER POLE TERMINATIONS

10-32 screw or box lug

WIRE SIZE

10-32 screw 16-8*

Box lug 14-4

*must use ring terminal

RECOMMENDED TIGHTENING TORQUE

10-30 screw 22 in.lbs

Box lug 40 in.lbs

QUICK CONNECTS

Coil terminals Dual: .250" QC

Power terminals 1 Pole : Quad .250"QC

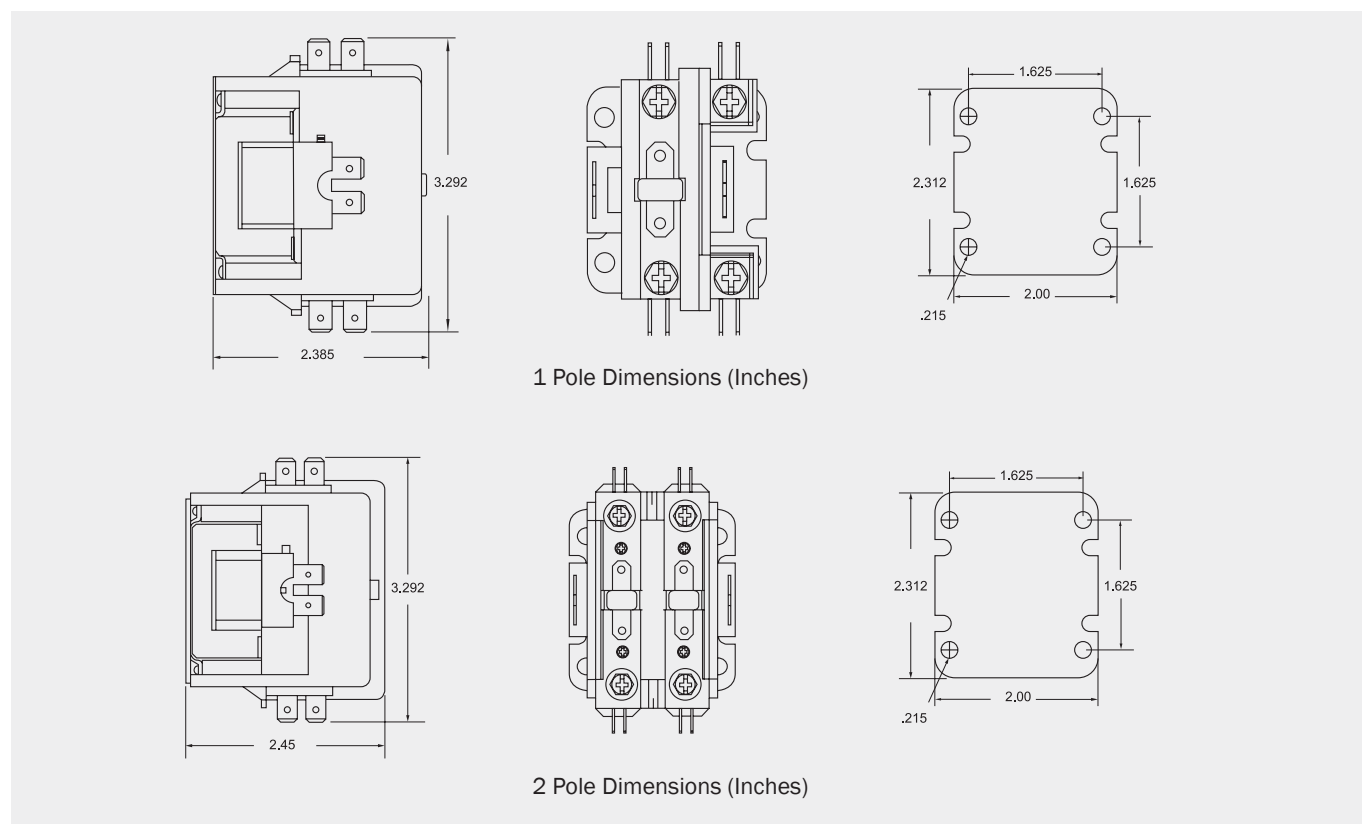
2 Pole : Dual or Quand.25"QC

Coil Rating	1 Pole Contactors				2 Pole Contactors			
Nominal Coil Voltage	24	120	208/240	277	24	120	208/240	277
Nominal Coil Resistance Ohms	18	420	1800	2500	11	237	1000	1600
Maximum Pick Up Voltage	18	88	177	221	18	88	177	221
Minimum Drop Out Voltage	6-15	20-70	40-140	50-185	6-15	20-70	40-110	65-185
Nominal Inrush VA@50Hz	31	31	31	31	33	33	33	33
Nominal Inrush VA@60Hz	28	28	28	28	30	30	30	30
Nominal Sealed VA@50Hz	6	6	6	6	8	8	8	8
Nominal Sealed VA@60Hz	5	5	5	5	6.5	6.5	6.5	6.5
Maximum Coil Voltage	30	132	264	300	30	132	264	300

2. Electrical Rating

Full Load Amps	Resistive Amps @ 600VAC	Locked Rotor Amps @240/277 VAC	Locked Rotor Amps @480 VAC	Locked Rotor Amps @600 VAC	Maximum Horsepower	
					Voltage	Single Phase
1 Pole Contactors						
20	30	120	100	80	120	1
					140	2
25	35	125	125	100	120	1
					240	2
30	40	125	126	100	120	1
					240	2
40	50	160	160	120	120	2
					240	3
2 Pole Contactors						
20	30	100	100	80	120	2
					240	3
25	35	125	125	100	120	2
					240	3
30	40	125	125	100	120	2
					240	3
40	50	160	160	120	120	2
					240	3

3. Outline And Mounting Dimension



JLC3 STAR-DELTA STARTER

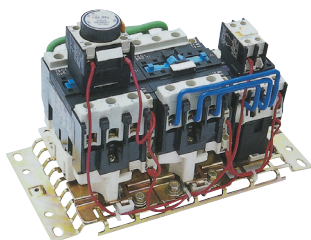
1. Application

JLC3 series star delta reduced voltage starter is suitable for starting motor in the circuit of AC 50/60Hz, voltage up to 660V and current up to 95A. It is provided with a timer for automatic changeover of start-delta to reduce the voltage and current of motor starter. It complies with IEC947-4-1.

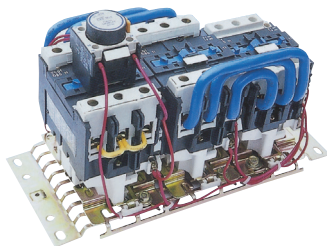
2. Specification

Type	Rated operating current (A)	3-phase motor capacity (kW)			
	AC3	220V	380V	415V	440V
JLC3-09	9	4	7.5	7.5	7.5
JLC3-12	12	5.5	11	11	11
JLC3-18	18	11	18.5	22	22
JLC3-25	25	11	22	22	22
JLC3-32	32	15	25	25	25
JLC3-40	40	18.5	37	37	37
JLC3-50	50	25	55	59	59
JLC3-65	65	32	55	59	59
JLC3-80	80	37	75	75	75
JLC3-95	95	45	80	80	80

JLC3-09,12,18,25,32

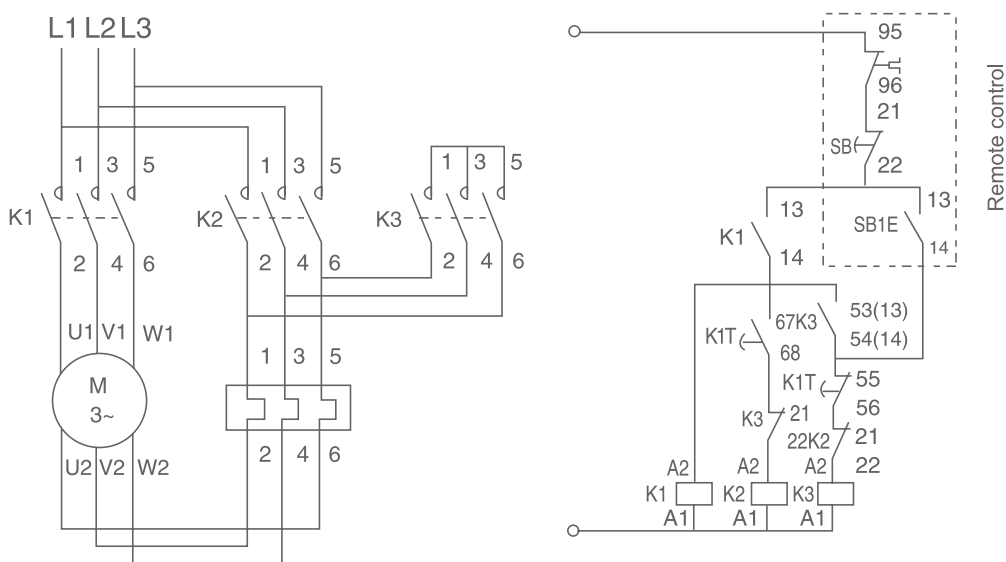


JLC3-40, 50, 65

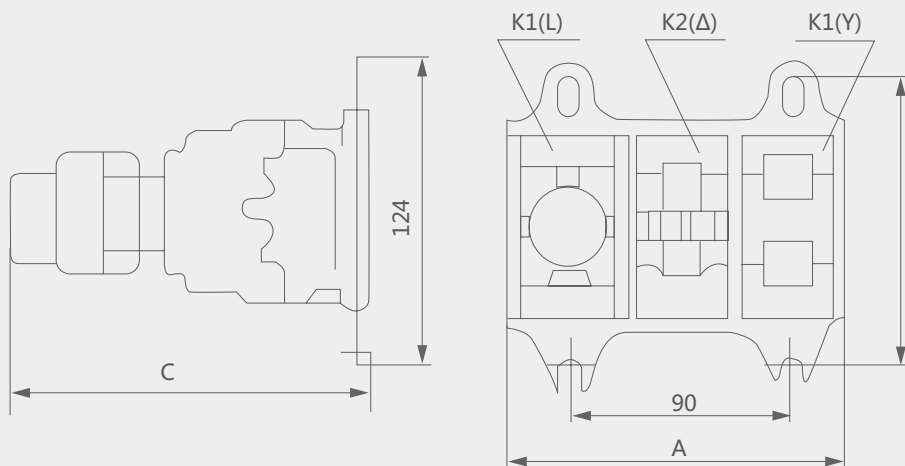


JLC3-80, 95

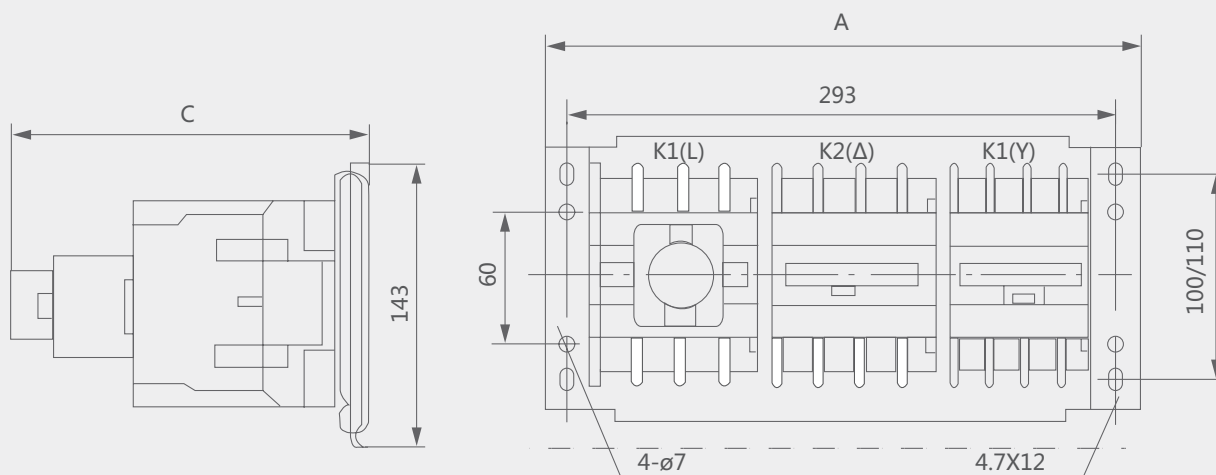
3. Wiring Diagram



4. Outline And Mounting Dimension



JLC3-09~32



JLC3-40~95

Type	JLC3-09	JLC3-12	JLC3-18	JLC3-25	JLC3-32	JLC3-40	JLC3-50	JLC3-65	JLC3-80	JLC3-95
A	140	140	140	174	174	310	310	310	310	310
C	149	149	154	164	169	185	185	185	196	196

JLE1 Magnetic starter

1. Application

JLE1 magnetic starter (hereinafter referred to as the starter) is suitable for AC 50Hz or 60Hz, rated voltage to 660V, current to 95A circuit, used to control the direct start and stop of the motor, the starter with thermal overload relay can be used for the motor Carry out overload and phase failure protection.



JLE1-D09,12,18

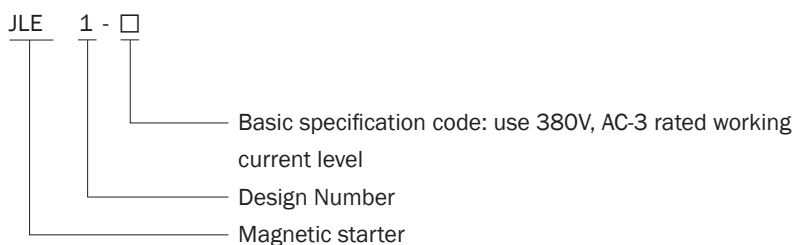


JLE1-D25,32



JLE1-D40,50,65,80,95

2. Product Number



3. Structural Features

- The starter is of protective type, plastic shell type (JLE1-09~32) and metal shell type (JLE1-40~95), and the protection level can reach IP65;
- The operating mechanism is a manual start and stop button, and the starter is an irreversible starter with a thermal (overload) relay;
- The JLE1 AC contactor with 35mm standard rails selected in the starter can be directly buckled on the base of the starter. The thermal (overload) relay three-phase lead hard wire can be directly inserted into the three-phase main contact of the contactor, which is convenient for assembly and wiring.

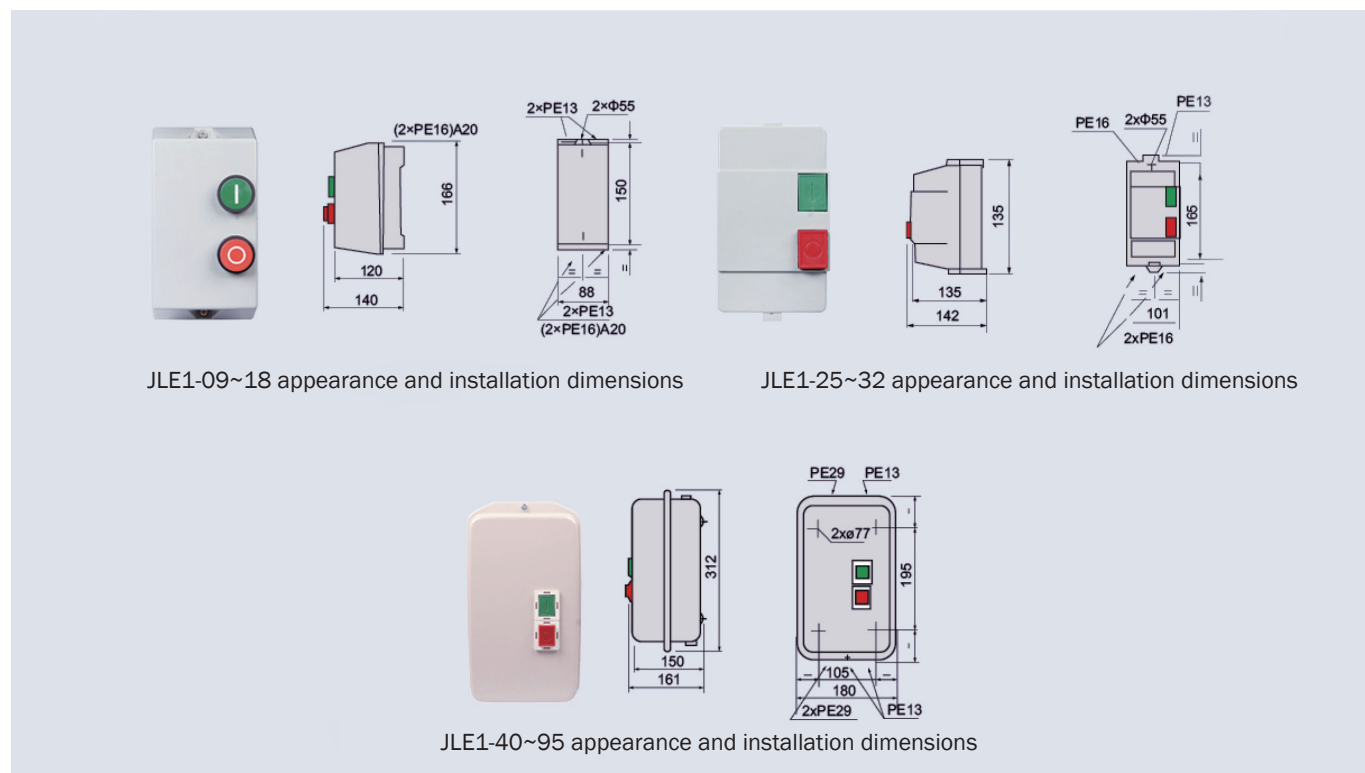
4. Main Parameters And Technical Performance

- The main technical performance indicators and component equipment of the starter (see Table 1);
- The starter rated control circuit voltage U_s is: AC 50/60Hz, 24V, 42V, 110V, 220/230V, 240V, 380/400V, 415V, 440V, 480V, 600V;
- Range of action:
 - Pull-in voltage: 50 or 60H 80% U_s -110% U_s ; 50/60Hz 85% U_s ~110% U_s ;
 - Release voltage: 20% U_s -75% U_s
- The operating range of the starter with thermal (overload) relay has the operating characteristics of thermal relay;
- 5. The operating frequency with thermal relay is 30 times/hour;

5. Technical Parameters

model	Rated heating	Rated insulation	Rated working current (A)				Rated control power AC-3(KW)						Equipped thermal relay model	Current setting range(A)	Equipped AC contactor model	
	Current Ith(A)		AC-3		AC-4		220V	380V	415V	440V	500V	660V				
		Voltage Ui(V)	380V	660V	380V	660V	230V	400V								690V
JLE1-09	20	600							0.37	0.37	0.37	0.37	JLR2-13	0.63-1	JLC1-09	
									0.37	0.55	0.55	0.55	0.55	JLR2-13	1-1.6	JLC1-09
							0.75	0.75	1.1	1.1	1.1	1.1	JLR2-13	1.6-2.5	JLC1-09	
							1.1	1.5	1.5	1.5	2.2	2.2	JLR2-13	2.5-4	JLC1-09	
							1.5	2.2	2.2	2.2	3.7	3.7	JLR2-13	4-6	JLC1-09	
							2.2	3	3.7	3.7	4	4	JLR2-13	5.5-8	JLC1-09	
							2.2	4	4	4	5.5	5.5	JLR2-13	7-10	JLC1-09	
JLE1-12	20		12	8.9	5	2	3	5.5	5.5	5.5	7.5	7.5	JLR2-13	9-13	JLC1-12	
JLE1-18	32		18	10.6	7.7	3.8	4	7.5	9	9	10	10	JLR2-13	12-18	JLC1-18	
JLE1-25	40		25	18	8.5	4.4	5.5	11	11	11	15	15	JLR2-13	17-25	JLC1-25	
JLE1-32	50		32	21	12	7.5	7.5	15	15	15	18.5	18.5	JLR2-23	23-32	JLC1-32	
JLE1-40	60		40	34	18.5	9	11	18.5	22	22	30	30	JLR2-23	30-40	JLC1-40	
JLE1-50	80		50	39	24	12	15	22	25	30	33	33	JLR2-33	37-50	JLC1-50	
JLE1-65	80		65	42	28	14	18.5	30	37	37	37	37	JLR2-33	55-70	JLC1-65	
JLE1-80	100		80	49	37	17.3	22	37	45	45	45	45	JLR2-33	63-80	JLC1-80	
JLE1-95	100		95	49	44	21.3	25	45	45	55	45	45	JLR2-93	80-93	JLC1-95	

6. Shape And Installation Dimensions (mm)



J3TH AC contactor



J3TH-22

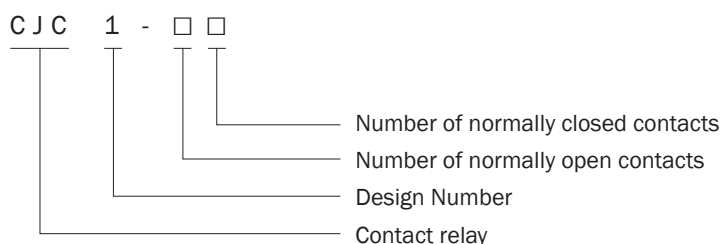


J3TH-44

1. Application

The J3TH contact relay is suitable for AC 50Hz, 60Hz. In the control circuit with rated voltage to 60V or DC voltage to 600V, it is used to control various electromagnetic coils to amplify the signal or transmit the signal to related control components at the same time. Its performance indicators are the product equivalent to 3TH.

2. Product number



3. Outline and Mounting Dimension

model		J3TH (3TH80)	J3TH (3TH82)	J3TH (3TH40)	J3TH (3TH42)	J3TH (3TH30)
Rated insulation voltage UI(V)		660	660	660	660	660
Rated working current Ie(A)	AC-15(AC-11)	6	6	6	6	6
	DC-13(DC-11)	0.25	0.25	0.25	0.25	0.25
Electric life($\times 10^6$)		30	30	30	30	30
Operating frequency (times/h)	AC-3	1.2	1.2	1.2	1.2	1.2
	AC-15 DC-13	1000	1000	1000	1000	1000
Mechanical life($\times 10^6$)		36	36	36	36	36
Action characteristics		Pull-in voltage: 85-110%, release voltage: 20~75% US				
Action time		The coil is energized to the normally closed contact breaking: 9~20ms				
Conventional heating current (A)		10	10	10	10	10

type	structure	Normally open contact (cover number)	Normally closed contact (cover number)
J3TH-04-OA	One Way	0	4
J3TH-13-OA		1	3
J3TH-22-OA		2	2
J3TH-31-OA		3	1
J3TH-40-OA		4	0
J3TH-44-OA	Two-way	4	4
J3TH-53-OA		5	3
J3TH-62-OA		6	2
J3TH-71-OA		7	1
J3TH-80-OA		8	0



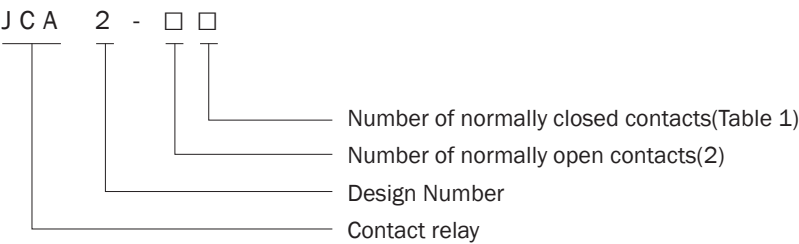
JCA2

JCA2 AC contactor

1. Application

JCA2 contactor relays are mainly used for relay control, signal transmission, isolation and amplification circuits with AC 50/60Hz, rated working voltage up to 660V and DC rated voltage up to 220V for making, breaking, and amplifying circuits.

2. Product number



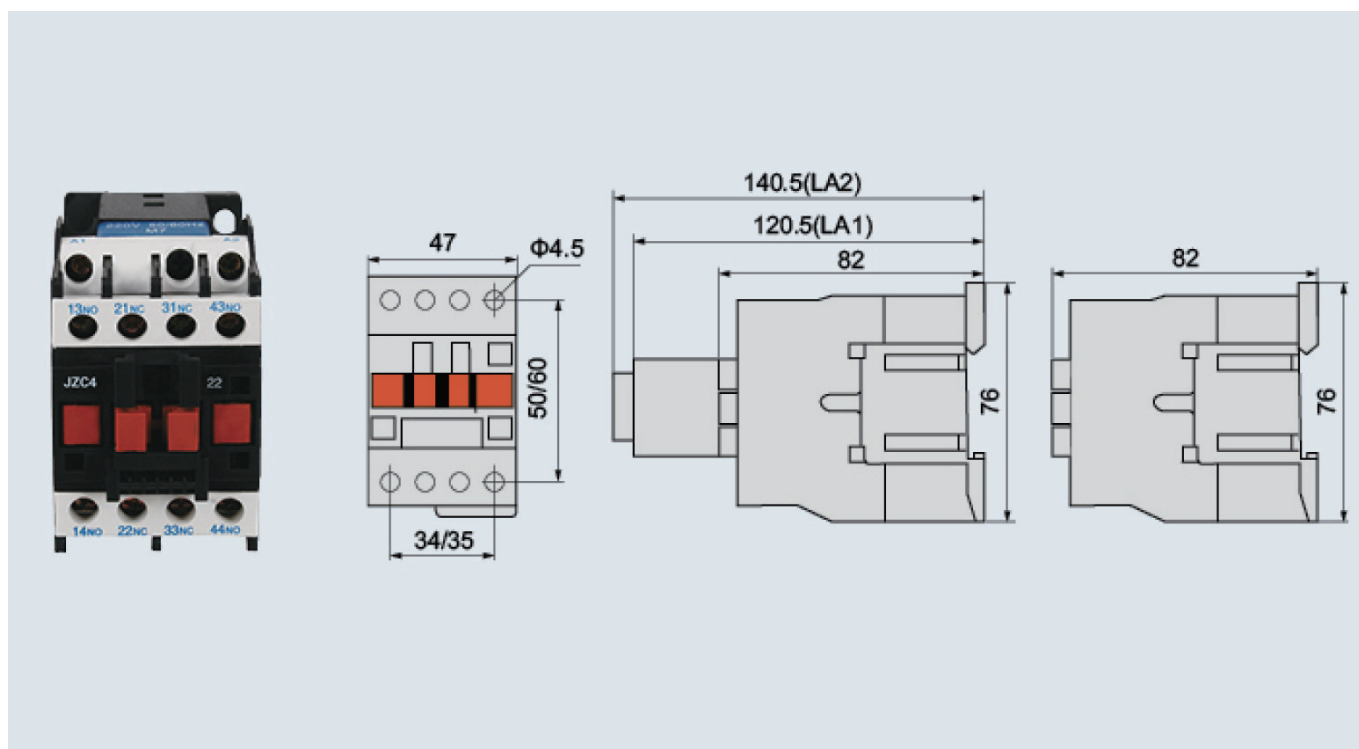
3. Outline and Mounting Dimension

model	Number of contact pairs	
	Normally open	Normally closed
JCA2-40	4	0
JCA2-31	3	1
JCA2-22	2	2
JCA2-13	1	3
JCA2-04	0	4

4. Normal working conditions and installation conditions

- ◆ Ambient air temperature: $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$, the average value within 24 hours does not exceed $+35^{\circ}\text{C}$;
- ◆ Altitude: no more than 2000m;
- ◆ Atmospheric conditions: when the highest temperature is $+40^{\circ}\text{C}$, the relative humidity of the air does not exceed 50%; higher relative humidity is allowed at lower temperatures, such as 90% at 20°C . Special measures should be taken for the occasional condensation due to temperature changes;
- ◆ Pollution degree: Level 3;
- ◆ Installation category: Class III;
- ◆ Installation conditions: the inclination of the installation surface and the vertical surface is not more than $\pm 5^{\circ}$;
- ◆ Impact vibration: The product should be installed and used in a place where there is no significant shaking, impact and vibration.

5. Shape And Installation Dimensions (mm)



If the models and specifications in this product catalogue is changed due to the change of products , we will not inform .This product Catalogue is checked is checked by several times to be correct , but it is only for reference . All is according to products and user Instruction .



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