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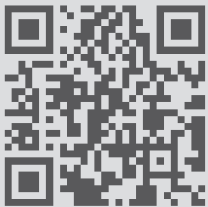
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Contactors
Thermal overload relay
Motor protection circuit breaker
Moulded case circuit breaker
Miniature circuit breaker

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WENZHOU JUHONG ELECTRIC CO., LTD.

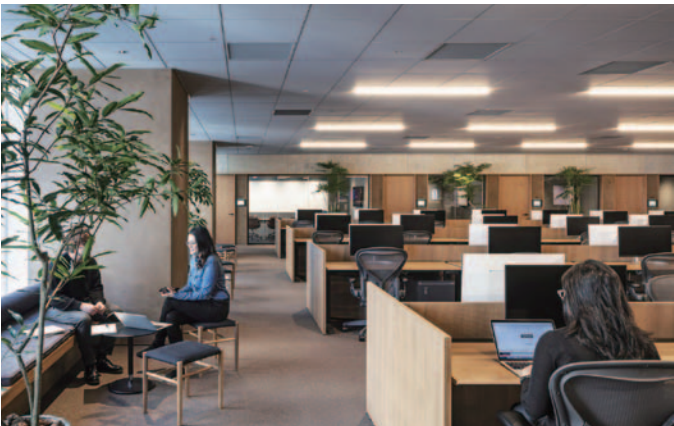
Company Profile

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 6S 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.



People-oriented quality era

Every pefect classic is a starting point for innovation. The world sighs the miracles and only the poioneers create miracles. CNJUHO Electric has innovative technology and exquisite craftsmanship. Ride the wind and waves to guide the safety industry into a more beautiful realm.

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JLC1D12



JLC1D32



JLC1D40A slim



JLC1D95



JLC1D115

JLC1D AC Contactor

1. Application

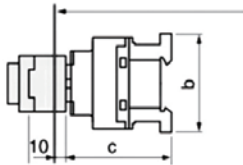
The JLC1D series AC contactors are designed for AC 50/60Hz applications with voltage up to 690V. These devices operate under AC-3 400/380V categories, featuring a rated current capacity of 620A. They provide long-distance circuit connection/disconnection capabilities, support frequent motor startups, and can be integrated with thermal relays to form electromagnetic starters that protect circuits from potential operational overload.

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	-	-	-

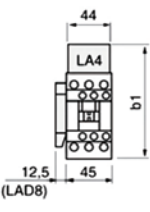
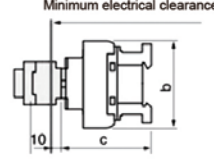
Control Coil Voltage(DC Coil Operation)

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

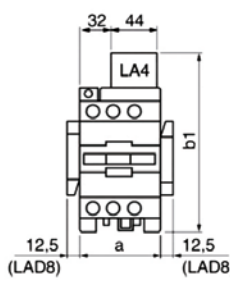
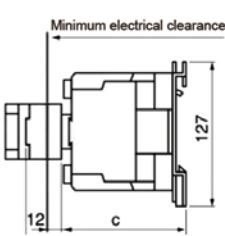
LC1D09 ... D18(3 poles)



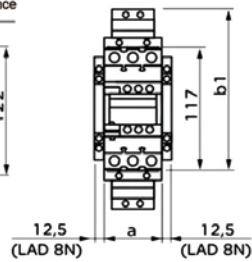
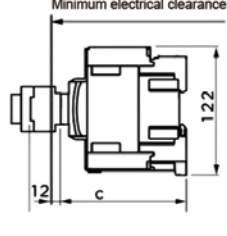
LC1D25 ... D38(3 poles)



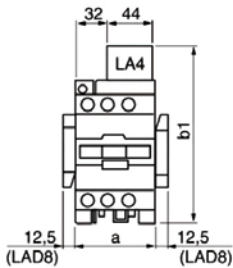
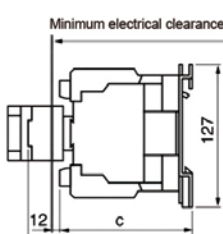
LC1D40 ... D65(3 poles)



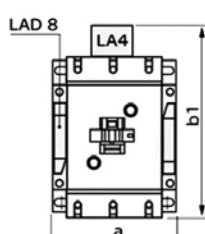
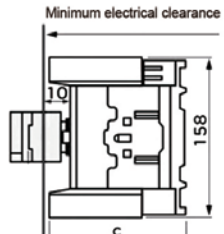
LC1D40A ... D65A(3 poles)



LC1D80 and D95 (3 poles)



LC1D115 and D150 and D170 (3 poles)



2. Dimensions

Model	Long	Wide	Tall
JLC1D09-D18	45	84	77
JLC1D25-D38	45	90	85
JLC1D40-D65	75	114	127
JLC1D40A-D65A New	55	118	122
JLC1D80-D95	85	125	127
JLC1D115-D170	120	132	158

3. Main Technical Parameter

Type	JLC1-D09	JLC1-D12	JLC1-D18	JLC1-D25	JLC1-D32	JLC1-D38	JLC1-D40	JLC1-D50	JLC1-D65	JLC1-D80	JLC1-D95	Table1
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 (I/h)	1200	1200	1200	1200	1000	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

JLC1D 4 Pole AC Contactor



JLC1D098



JLC1D258



JLC1DT25



JLC1DT40



JLC1DT80A

Contactor type	JLC1D098/128	JLC1D188	JLC1D258
Number of pole	4P	4P	4P
contact composition	2 NO + 2 NC	2 NO + 2 NC	2 NO + 2 NC
[Ue] rated operational voltage	Power circuit: ≤ 690 V AC	Power circuit: ≤ 690 V AC	Power circuit: ≤ 690 V AC
[Ie] rated operational current	9A -12A	18A	25A
[Uc] control circuit voltage	220 V AC 50/60 Hz	220 V AC 50/60 Hz	220 V AC 50/60 Hz
[Ith] conventional free air thermal current	25A	32A	40A
Rated breaking capacity	250A at 440V for power circuit	300A at 440V for power circuit	450A at 440V for power circuit
Average impedance	2.5 mOhm at 50Hz - lth 25A for power circuit	2.5 mOhm - lth 32A 50Hz for power circuit	2 mOhm - lth 40A 50Hz for power circuit
Power dissipation per pole	1.56W AC-1	2.5W AC-1	3.2W AC-1
Control circuit type	AC 50/60Hz	AC 50/60Hz	AC 50/60Hz
Heat dissipation	2...3W at 50/60Hz	2...3W at 50/60Hz	2...3W at 50/60Hz
Operating time	12...22 ms closing 4...19 ms opening	12...22 ms closing 4...19 ms opening	12...22 ms closing 4...19 ms opening
auxiliary contact composition	1 NO + 1 NC	1 NO + 1 NC	1 NO + 1 NC
signalling circuit frequency	25...400Hz	25...400Hz	25...400Hz
Mounting Support	Plate;Rail	Plate;Rail	Plate;Rail
IP degree of protection	IP20 front face IEC 60529	IP20 front face IEC 60529	IP20 front face IEC 60529
fire resistance	850 °C conforming to IEC 60695-2-1	850 °C conforming to IEC 60695-2-1	850 °C conforming to IEC 60695-2-1
flame retardance	V1 conforming to UL 94	V1 conforming to UL 94	V1 conforming to UL 94

JLC1DT20	JLC1DT25	JLC1DT32	JLC1DT40	JLC1DT60	JLC1DT80
4P	4P	4P	4P	4P	4P
4N.O	4N.O	4N.O	4N.O	4N.O	4N.O
Power circuit: ≤ 690 V AC	Power circuit: ≤ 690 V AC	Power circuit: ≤ 690 V AC	Power circuit: ≤ 690 V AC z	Power circuit: ≤ 690 V AC	Power circuit: ≤ 690 V AC
9A	18A	25A	32A	40A	40A
220V AC 50/60Hz	220V AC 50/60Hz	220V AC 50/60Hz	220V AC 50/60Hz	220V AC 50/60Hz	220V AC 50/60Hz
20A	25A	32A	40A	60A	60A
250A at 440V for power circuit	250A at 440V for power circuit	300A at 440V for power circuit	450A at 440V for power circuit	800A at 440V for power circuit	1000A at 440V for power circuit
2.5 mOhm - lth 20A 50Hz for power circuit	2.5 mOhm - lth 25A 50Hz for power circuit	2.5 mOhm - lth 32A 50Hz for power circuit	2 mOhm - lth 40A 50Hz for power circuit	1.6 mOhm - lth 60A 50Hz for power circuit	1.6 mOhm - lth 80A 50Hz for power circuit
1.56W AC-1	1.56W AC-1	2.5W AC-1	3.2W AC-1	5.8W AC-1	10.2W AC-1
AC 50/60Hz	AC 50/60Hz	AC 50/60Hz	AC 50/60Hz	AC 50/60Hz	AC 50/60Hz
2...3W at 50/60Hz	2...3W at 50/60Hz	2...3W at 50/60Hz	2...3W at 50/60Hz	4...5W at 50/60Hz	4...5W at 50/60Hz
4...19 ms opening 12...22 ms closing	4...19 ms opening 12...22 ms closing	4...19 ms opening 12...22 ms closing	4...19 ms opening 12...22 ms closing	4...19 ms opening 12...26 ms closing	4...19 ms opening 12...26 ms closing
1 NO + 1 NC	1 NO + 1 NC	1 NO + 1 NC	1 NO + 1 NC	1 NO + 1 NC	1 NO + 1 NC
25...400Hz	25...400Hz	25...400Hz	25...400Hz	25...400Hz	25...400Hz
Plate;Rail	Plate;Rail	Plate;Rail	Plate;Rail	Plate;Rail	Plate;Rail
IP20 front face IEC 60529	IP20 front face IEC 60529	IP20 front face IEC 60529	IP20 front face IEC 60529	IP20 front face IEC 60529	IP20 front face IEC 60529
850 °C conforming to IEC 60695-2-1	850 °C conforming to IEC 60695-2-1	850 °C conforming to IEC 60695-2-1	850 °C conforming to IEC 60695-2-1	850 °C conforming to IEC 60695-2-1	850 °C conforming to IEC 60695-2-1
V1 conforming to UL 94	V1 conforming to UL 94	V1 conforming to UL 94	V1 conforming to UL 94	V1 conforming to UL 94	V1 conforming to UL 94

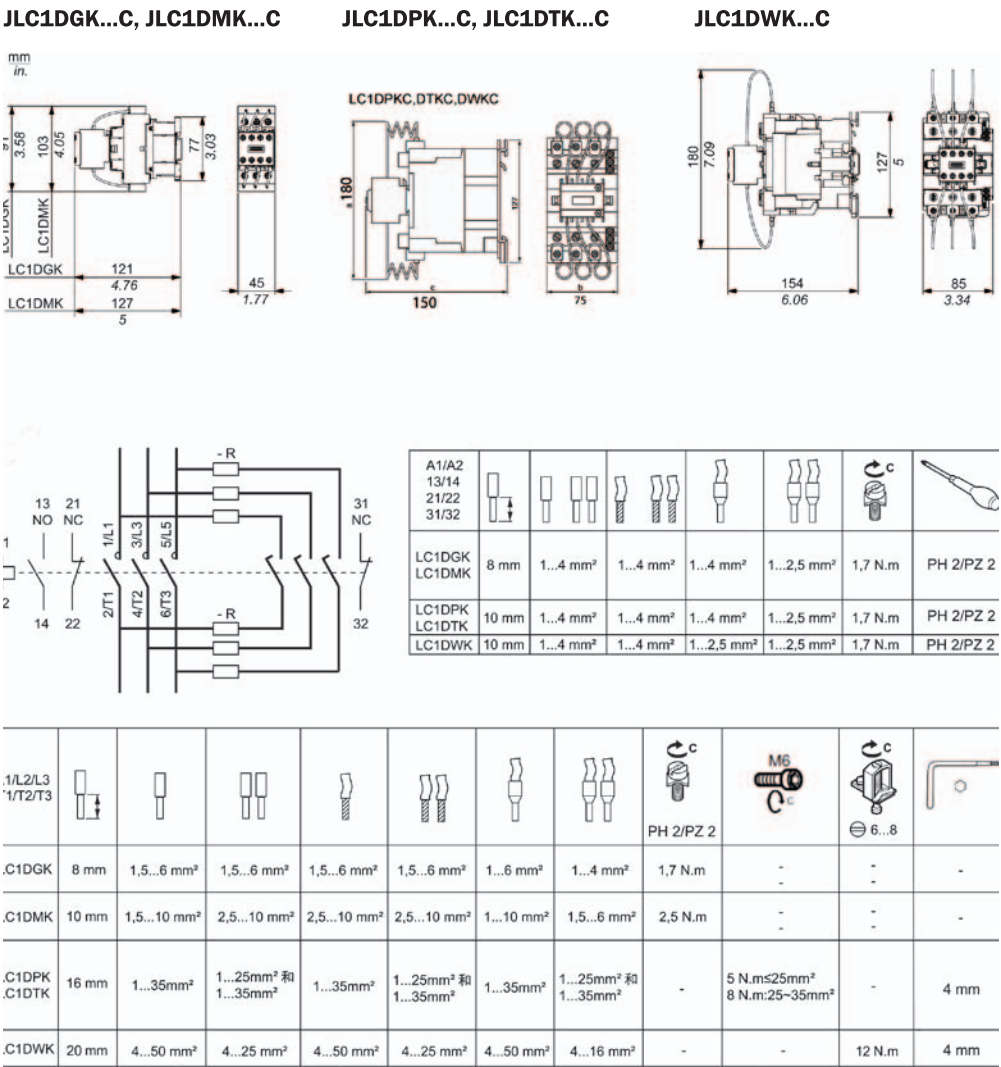
JLC1D.K New Type Capacitor AC Contactor

1. Application Range

JLC1DGK 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 capactor 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. Outline And Mounting Dimension



3. Main Parameters And Technical Performance

Type	LC1DFK18	JLC1DGK25	LC1DLK32	LC1DMK43
Capacity	12.5kVAR	16.7kVAR	20kVAR	25kVAR
Device application	control			
Contactor application	Power factor correction			
Utilisation category	AC-6b			
power pole	3P			
contact composition	3N.O			
[Ue] rated operational voltage	Power circuit: 690V AC 50/60 Hz			
Control circuit type	220 V AC 50/60 Hz			
Auxiliary contact composition	1 NO + 2 NC instantaneous			
Electrical durability	300000 cycles at Ue 400 V / 200000 cycles at Ue 690 V			
Mounting support	DIN rail Plate			
Maximum operating rate	240 cyc/h			
IP degree of protection	IP20 front face conforming to IEC 60529			
Ambient air temperature for operation	-5...60 °C			
Ambient air temperature for storage	-60...80 °C			
Operating altitude	0...3000 m			
Height*Width*Depth	115*45*121mm	125*45*127mm	125*45*127mm	125*45*127mm
Net Weight	0.53KGS	0.6KGS	0.6KGS	0.63KGS
Standards	EN/IEC 60947-1, EN/IEC 60947-4-1, IEC 60335-1			

Type	LC1DPK50	LC1DTK63	LC1DWK95
Capacity	30kVAR	40kVAR	63kVAR
Device application	control		
Contactor application	Power factor correction		
Utilisation category	AC-6b		
power pole	3P		
contact composition	3N.O		
[Ue] rated operational voltage	Power circuit: 690 V AC 50/60 Hz		
Control circuit type	220 V AC 50/60 Hz		
Auxiliary contact composition	1 NO + 2 NC instantaneous		
Electrical durability	300000 cycles at Ue 400 V / 200000 cycles at Ue 690 V		
Mounting support	DIN rail Plate		
Maximum operating rate	240 cyc/h		
IP degree of protection	IP20 front face conforming to IEC 60529		
Ambient air temperature for operation	-5...60 °C		
Ambient air temperature for storage	-60...80 °C		
Operating altitude	0...3000 m		
Height*Width*Depth	166*55*156mm	166*55*156mm	180*55*154mm
Net Weight	1.3KGS	1.3KGS	1.65KGS
Standards	EN/IEC 60947-1, EN/IEC 60947-4-1, IEC 60335-1		

CJ19 Capacitor AC Contactor

1. Application Range

CJ19 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 capactor 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.



CJ19-25



CJ19-43



CJ19-63



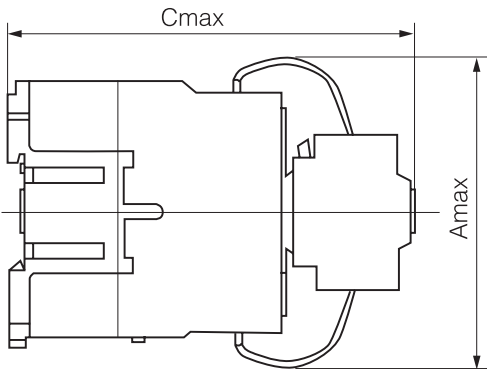
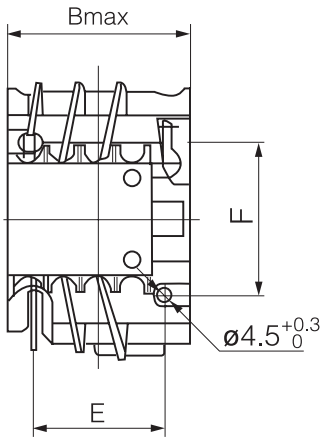
CJ19-95

2. Main Parameters And Technical Performance

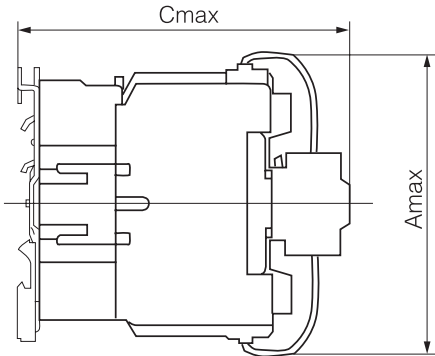
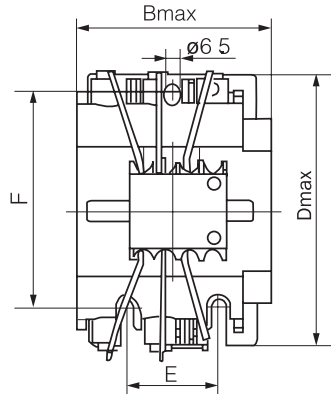
Parameter Item	Type	CJ19- 25	CJ19- 32	CJ19- 43	CJ19- 63	CJ19- 80	CJ19- 95	CJ19- 115	CJ19- 150	CJ19- 170
Service life (times)		10 ⁵								
Agree on heating current(A)		25	32	43	63	80	95	115	150	170
Rated insulation voltage Ui (V)		690								
Rated current (A) 230V/400V		15/17	23/26	25/29	38/43	43/50	50/63	87	115	130
capacity (kVar) 230V/400V		6/12	9/18	10/20	15/30	18/36	22/40	60	80	90
Operating characteristic		Pick up:(85%~110%)Us:Drop-Out:(20%~75%)Us								
The ability to suppress the closing inrush current of a capacitor		20Ie								
Rated working current of auxiliary contacts(400V)(A)		0.95			0.15					
Unit weight (kg)		0.44	0.63	0.64	1.4	1.5	1.5	3.45	3.45	3.45

3. Outline And Mounting Dimension

CJ19-25~43



CJ19-63~95



Type	Amax	Bmax	Cmax	Dmax	E	F
CJ19-25	76	47	125	120	35	50/60
CJ19-32	86	58	135	130	40	50/60
CJ19-43	86	58	135	130	40	50/60
CJ19-63	128	79	156	150	40	100/110
CJ19-80	128	87	160	200	40	100/110
CJ19-95	128	87	160	200	40	100/110
CJ19-115	200	120	192	155	-	-
CJ19-150						
CJ19-170						

4. Design Feature

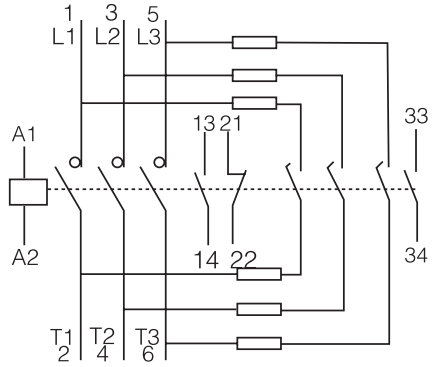
The contactor is a direct moving double breakpoint structure, the contact system is divided into two layers, and the upper layer has three pairs of current limiting contacts and current-limiting resistance consist of inrush current device. When it is closed, it is connected to the work contact after 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

JLP1 New Type DC Contactor

Application

JLP1 new type DC contactor is suit to 24V/DC,36V/DC ,48V/DC voltage Rated current from 9A to 95A for control electric motor and machine tools,it is complied with standard IEC60947.

product type	DC contactor
Product model number	JLP1
Application field	Applied to non inductive or micro inductive load, resistance furnace in AC load with power factor
class of use	AC-1 AC-3 AC-4
number of pole	3P
Power pole contact composition	3NO
rated working current	25A 60 °C in...Upper<=440V AC AC-1 Applies to the power loop 9A60 °C in...Upper<=440V AC AC-3 Applies to the power loop
Auxiliary contact point type	24VDC
Auxiliary contact point type	1NO+1NC
Rated working voltage	power supply loop:<=690V AC 25...400 Hz power supply loop:<=225V DC
Electric motor power	5.5kW in...Upper 500V AC 50/60Hz (AC-3) 2.2kW in...Upper 220/240V AC 50/60Hz (AC-3) 4kW in...Upper 380/400V AC 50/60Hz (AC-3) 4kW in...Upper 415/440V AC 50/60Hz (AC-3) 5.5kW in...Upper 660/690V AC 50/60Hz (AC-3) 2.2kW in...Upper 400V AC 50/60Hz (AC-4)
Electric life	0.6 Mcycles 25A AC-1Ue<=440V 2 Mcycles 9A AC-3Ue<=440V 2 Mcycles 6.6A AC-3Ue660/690V
mechanical life	30 Mcycles
Max operation frequency	3600 times/hour in...Above<60 °C
Action time	55ms closure 20ms break
Control voltage limit	Release:0.1...0.25Uc 60 °C Run:0.7...1.25Uc 60 °C
Agred heating current (Ith)	25A in... the upper<60 °C is suitable for power supply loop 10A... Above<60 °C for signal loop
Average impedance	2.5mΩ-Ith25A50Hz Applicable power loop
Rated insulation voltage (Ui)	Power supply circuit: 690V in accordance with IEC 60947-4-1 Signal loop: 690V in accordance with IEC 60947-1
Surge suppression module	build-in bidirectional peak current limiting diode
Auxiliary contact point type	Type Mechanical connection 1 NO+ 1 NC in accordance with IEC 60947-5-1 The type is mirrored to the main contact status.1 NC complies with IEC 60947-4-1
Frequency of singal loop	25...400Hz
Mini on/off current	suit to singal loop
Mini on/off voltage	suit to singal loop
No overlap time	1.5 ms loss of power between NC and NO contact 1.5 ms is generated between NC and NO contact
insulation resistance	>10MΩ apply signal loop suit to singal lop
installation method	Din rail installation Baseplate installation
Control loop characteristics	DC standard
Rated shock tolerance voltage (Uimp)	6KV is complied with IEC60947
Safety cover	no
Safety class	B10d=1369863 times, contactors with nominal loads comply with EN/ISO13849-1 B10d=20000000 times,contactors for nominal loads comply with EN/ISO13849-1
time constant	28 ms
Surge power(W)	5.4W 20 °C
Hodup power consumption(W)	5.4W in...Up 20 degrees Celsius



JLP1D12BD



JLP1D18BD



JLP1D25BD



JLP1D32BD



JLP1D80BD

JLP1-D DC Contactors

1. Application range

JLP1-D series DC operated AC contactor (hereinafter to be referred as contactor) , it mainly applies to the circuit of AC 50Hz/60Hz , and rated insulation voltage 690V . When used in AC-3, and rated operational voltage 380V , rated current up to 95A , for long distance breaking circuit block , time-delay block , thermal overload relay devices etc.

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

2. Specification

TYPE	reted woring currentA IeA (AC-3)	Rated heat current Ith(A)	controlled power KW					Electrical life(AC-3)104	contact-number
			220V	380V	415V	440V	660V		
JLP1-D09	9	20	22	4	4	4	5.5	660V	
JLP1-D12	12	20	3	5.5	5.5	5.5	5.5		
JLP1-D18	18	32	4	7.5	0	9	9		
JLP1-D25	25	10	5.5	11	11	11	11		3P+NO
JLP1-D32	32	50	7.5	15	15	15	18.5		3P+NC
JLP1-D40	40	60	11	18.5	22	22	30		
JLP1-D50	50	80	15	22	25	30	33		3P+NO+NC
JLP1-D65	65	80	18.5	30	37	37	37		
JLP1-D80	80	125	22	37	45	45	45		
JLP1-D95	95	125							

3. Outline and Mounting Dimension

FIGURE 1 LP1-D09~32

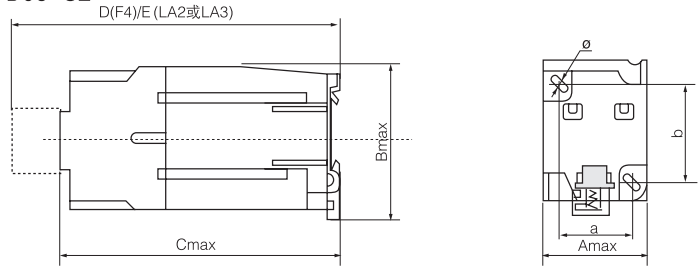
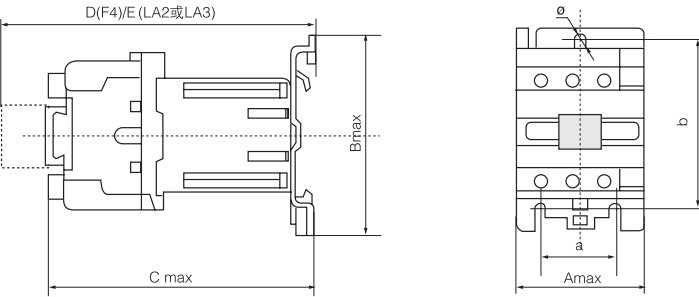


FIGURE 2 LP1-D40~95



Model	A max	B max	C max	D max	E max	a	b	Φ	L	P	S
JLP1-D09~12	47	76	116	154.5	174.5	34/35	50/60	4.5	95	10.5	8.6
JLP1-D18	47	76	122	160.5	180.5	34/35	50/60	4.5	96	11.3	10.4
JLP1-D25	57	86	131	169.5	189.5	40	48	4.5	107	13.2	11.7
JLP1-D32	57	86	138	176.5	196.5	40	48	4.5	120	14.5	13
JLP1-D4011~6511	77	129	173	211.5	231.5	40	100/110	6.5	135	20	8.6
JLP1-D4004/4008~6504/6508	84	129	173	211.5	231.5	40	100/110	6.5	135	20	8.6
JLP1-D8011~9511	87	129	188	226.5	246.5	40	100/110	6.5	140	23.5	12
JLP1-D8004/8008~9504/9508	96	129	183	221.5	241.5	40	100/110	6.5	140	23.5	12

JXC AC Contactor

1. Application

JXC AC contactor is a new model with novel designation and compacted structure. they are mainly used for controlling starters and motors. It can also be combined with appropriate thermal overload relays.

2. Feature

- Rated operation current Ie: 9-95A
- Rated operation voltage Ue: 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

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
Atmosphere 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 ±5°.
Shock and vibration	The product should be installed in places without significant shaking,shock, and vibration.



JXC-18



JXC-25



JXC-40



JXC-80

4. Parameters

Main circuit parameters and technical performance

Contactor model			JXC-09	JXC-12	JXC-18	JXC-25
Conventional thermal current Ith (A)			20	25	32	32
Rated insulation voltage Ui (V)						
Rated impulse withstand voltage Uimp (kV)						
Rated making capacity						
Rated breaking capacity						
Rated operation current Ie (A)	220V/230V/240V	AC-3	9	12	18	22
		AC-4	9	12	18	22
	380V/400V/415V	AC-3	9	12	18	22
		AC-4	9	12	18	18
	660V/690V	AC-3	6.6	8.9	12	14
		AC-4	6.6	8.9	12	12
Rated control power	AC-3 (kW)	220V/230V/240V	2.2	3	4	5.5
		380V/400V/415V	4	5.5	7.5	11
		660V/690V	5.5	7.5	10	11
Electrical life (cycles)		AC-3				
Mechanical life (cycles)						
Main contact						
Fuse supplied for SCPD			NT00-20	NT00-25	NT00-32	NT00-32
Matching thermal overload relay						
Built-in auxiliary contact	3P					
	4P					

Contactor model			JXC-32	JXC-38	JXC-40	JXC-50	JXC-65	JXC-80	JXC-95
Conventional thermal current Ith (A)			50	50	60	80	80	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	32	38	40	50	65	85	100
		AC-4	32	38	40	50	65	85	100
	380V/400V/415V	AC-3	32	38	40	50	65	85	100
		AC-4	32	38	40	50	65	85	100
	660V/690V	AC-3	22	22	34	39	42	49	49
		AC-4	22	22	34	39	42	49	49
Rated control power	AC-3 (kW)	220V/230V/240V	7.5	9	11	15	18.5	22	25
		380V/400V/415V	15	18.5	18.5	22	30	37	45
		660V/690V	18.5	18.5	30	37	37	45	45
Electrical life (cycles)		AC-3	1.2×10 ⁶		1×10 ⁶				
		AC-4	See electrical life curve						
Mechanical life (cycles)			1×10 ⁷		0.9×10 ⁷				
Main contact			3 NO						
Fuse supplied for SCPD			gG50	gG50	gG63	gG80	gG80	gG100	gG125
Matching thermal overload relay			NXR-25						
Built-in auxiliary contact		3P	1 NO + 1 NC						
		4P	-						

JLC1-E 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: ≤ 2000m;
- Ambient temperature: -5 °C~+40 °C;
- Mounting category: III;
- Mounting conditions: Inclination between the mounting planeand the verticall plane should not exceed ±5°;
- Standard: IEG/EN 60947-4=IEC/EN 60947-5-1.
- Gontrol Goil valtage(AC Goil Operation).

Volts(VAC)	24	36	42	48	110	127	220	230	240	380	415	440	480	500	600	
Code	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	36	48	110	220
Code	JD	CD	ED	FD	MD

2. Type Designation

JL C 1 - □ □ □ □

- Number af 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 1 N/C auxilliary contact (40A,50A,65A,80A,95A)
- Basic specification, expresspd with the rated operational current (380V/400V,AC3)
- Design sequence No.
- Contactor
- Company code



JLC1-E0910



JLC1-E1810



JLC1-E3210



JLC1-E40

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-E09	JLC1-E12	JLC1-E18	JLC1-E25	JLC1-E32
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				

Table 2

Standard	IEC/EN60947-4-1 IEC/EN60947-5-1					
Model No.		JLC1-E40	JLC1-E50	JLC1-E65	JLC1-E80	JLC1-E95
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				

JLC1K series mini AC and DC 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

Table1

Parameter Item		Type	06	09	12
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 lfie (×10 ⁴)	AC-3	1200	1200	1200
		AC-4	300	300	300
		Mechanical life (×10 ⁴)	3600	3600	3600
Electrical lfie		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



JLC1K-0910



JLP1K09BD mini DC



JLC2K12
Mechanical Interlock Type

3. Outline And Mounting Dimension

FIGURE 1 JLC1-K06~K12

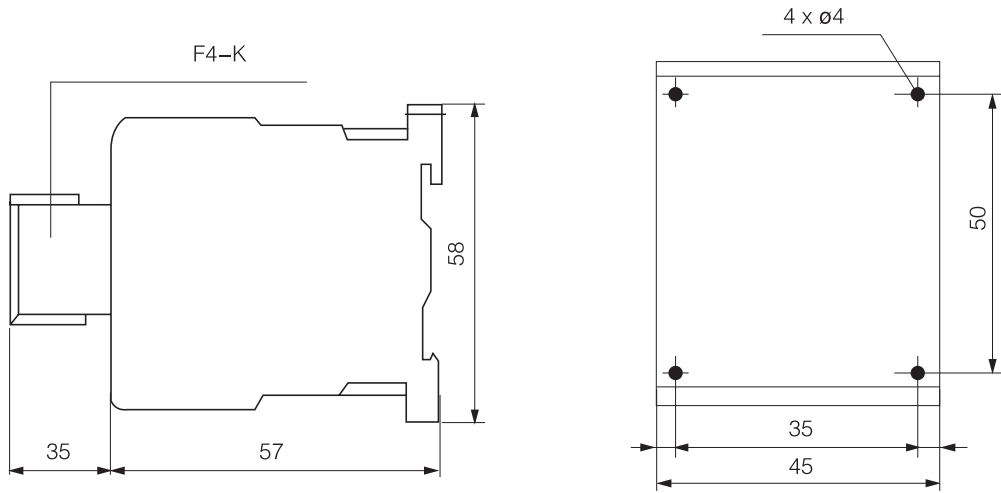
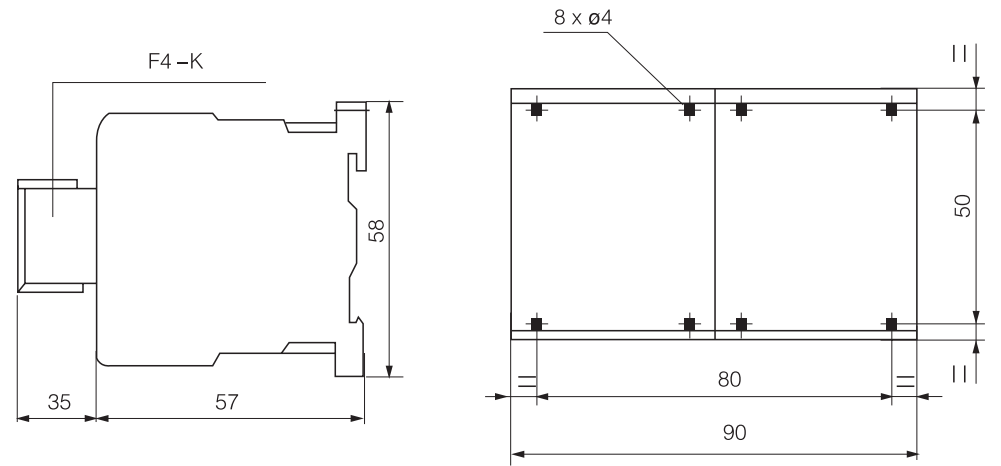


FIGURE 2 JLC2-K06~12



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

JLC1 AC Contactor

1. Type Designation



JLC1-1210



JLC1-1810

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 1 N/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

2. 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	I _{th} (A)	20	25	32	40	50
Rated voltage U _i (v)	u _i (V)	690	690	690	690	690
Rated Operation Current <i>ue</i> =380/415V	AC-3 I _e (A)	9	12	18	25	32
	AC-4 I _e (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	1NO or 1NC					
at.: AC-15, U _e =415, V _{le} =0.95, Al _{th} =10A						



JLC1-6511

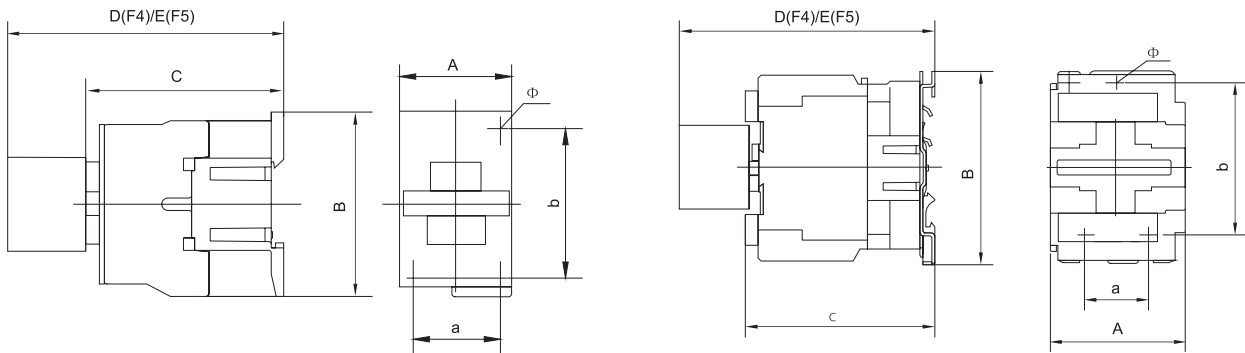


JLC1-9511

Table 2

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	1NO or 1NC					
at.: AC-15, Ue=415, Vle=0.95, Alth=10A						

3. Overall And Mounting Dimensions (mm)



JLC1-09~32

JLC1-40~95

Model	A max	B max	C max	D max	E max	a	b	Φ	L	P	S
JLC1-09~12	47	76	82	120.5	140.5	34/35	50/60	4.5	60	10.5	8.6
JLC1-18	47	76	87	125.5	145.5	34/35	50/60	4.5	61	11.3	10.4
JLC1-25	57	86	95	133.5	153.5	40	48	4.5	70	13.2	11.7
JLC1-32	57	86	100	138.5	158.5	40	48	4.5	71.6	14.5	13
JLC1-4011~6511	77	129	116	154.5	174.5	40	100/110	6.5	78	20	8.6
JLC1-4004/4008~6504/6508	84	129	116	154.5	174.5	40	100/110	6.5	78	20	8.6
JLC1-8011~9511	87	129	127	165.5	185.5	40	100/110	6.5	83	23.5	12
JLC1-8004/8008~9504/9508	96	129	127	160.5	180.5	40	100/110	6.5	83	23.5	12

JLC1-F AC Contactor

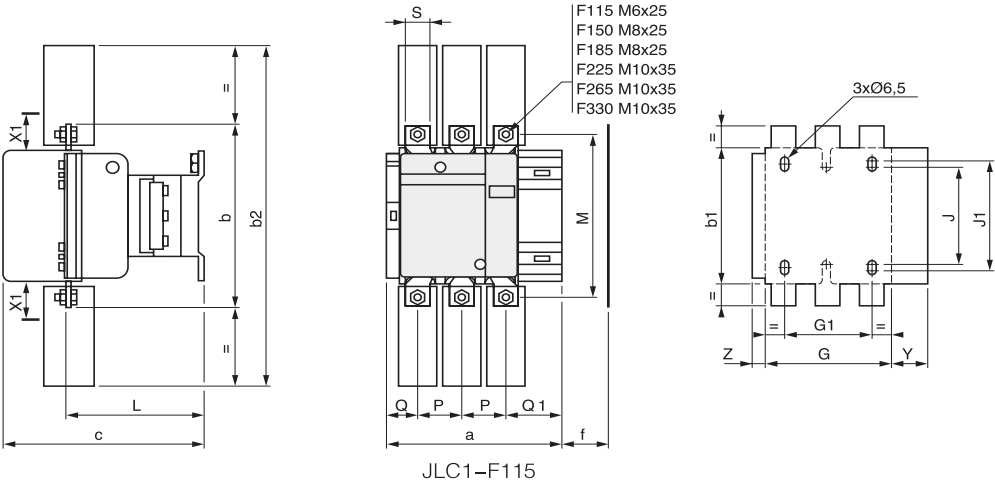
1. Application Range

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

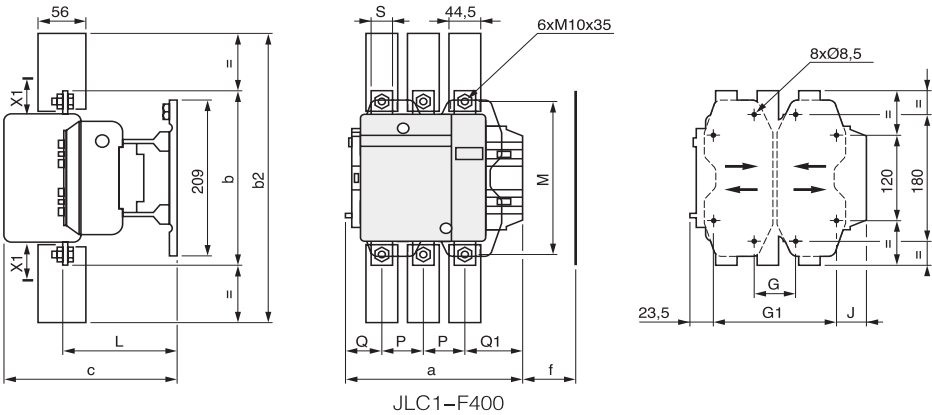
Type	AC-3(A) Rated operational current in AC-3(A)	Max power ratings of 3-phase motors in category AC-3(kW)							Operating frequency (time/ hour) AC-3	Electrical life AC-3 x10 ⁴	Mecha- nical life x10 ⁴
		220V 230V	380V 400V	415V	440V	500V	660V 690V	1000V			
JLC1-F115	115	30	55	59	59	75	80	65	1200	120	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

3. Outline And Mounting Dimension



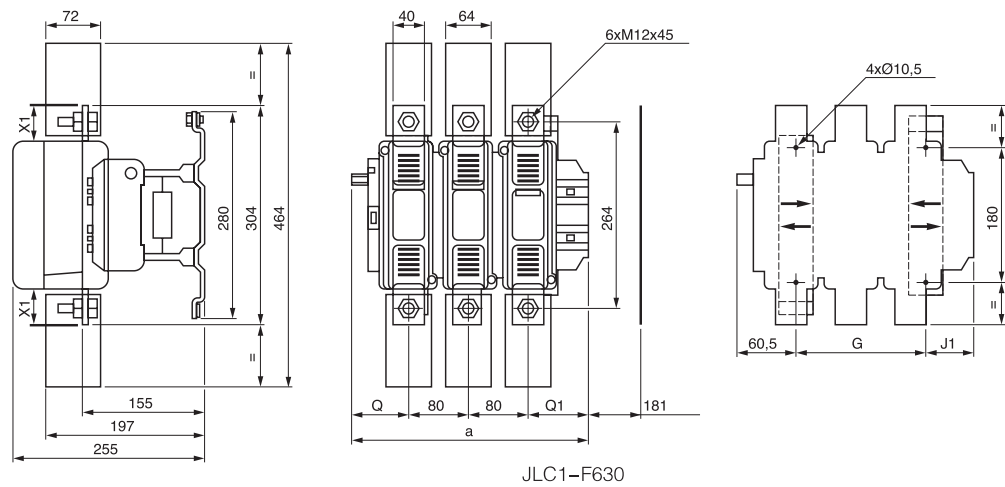
JLC1-		a	b	b1	b2	c	f	G	G1	J	J1	L	M	P	Q	Q1	S	1	Y	Z
F115	3P	163.5	162	137	265	171	131	106	80	106	120	107	147	37	29.5	60	20	26	44	13.5
	4P	200.5	162	137	265	171	131	143	80	106	120	107	147	37	29.5	60	20	26	44	13.5
F150	3P	163.5	170	137	301	171	131	106	80	106	120	107	150	40	26	57.5	20	34	44	13.5
	4P	200.5	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

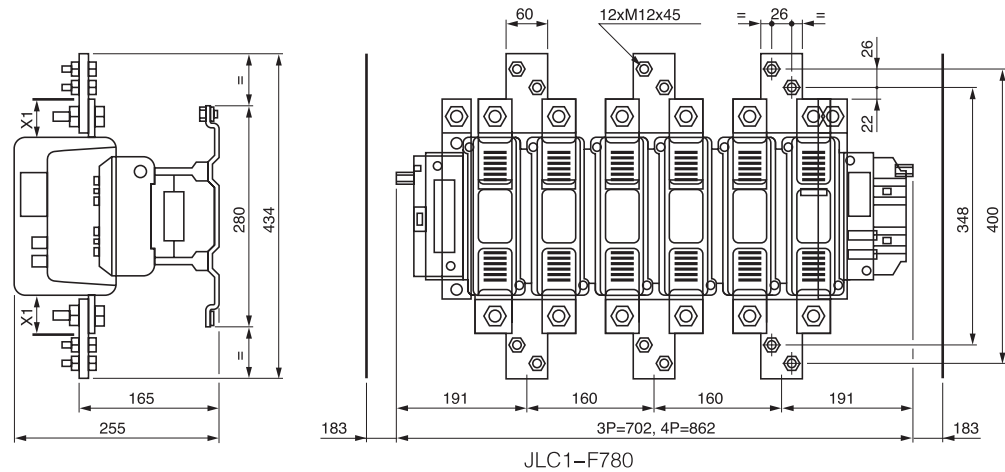


JLC1-		a	b	b2	c	f	G*	G min.	G max.	G1 *	G1 min.	G1 max.	J	L	M	P	Q	Q1	S
F400	2P	213	206	375	219	119	80	66	102	170	156	192	19.5	145	181	48	69	96	25
	3P	213	206	375	219	119	80	66	102	170	156	192	19.5	145	181	48	43	74	25
	4P	261	206	375	219	119	80	66	150	170	156	240	67.5	145	181	48	43	74	25
F500	2P	233	238	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

3. Outline And Mounting Dimension

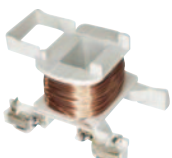


JLC1-F		a	G	G min.	G max.	J1	Q	Q1
F630	2P	309	180	100	195	68.5	102	127
F630, F800	3P	309	180	100	195	68.5	60	89
F630	4P	389	240	150	275	68.5	60	89



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	JLA1-T0	0.1~3s	JLC1-09~95 JLC1-115~800
		JLA1-T2	0.1~30s	
		JLA1-T4	10~180s	
		JLA1-D0	0.1~3s	
	1NO+1NC Pneumatic timer OFF-delay	JLA1-D2	0.1~30s	JLC1-09~95 JLC1-115~800
		JLA1-D4	10~180s	
		JLA1-DN40	4NO	
		JLA1-DN31	3NO+1NC	
	Auxiliary Contact 4-pole Front mount	JLA1-DN22	2NO+2NC	JLC1-DN09~DN95
		JLA1-DN13	1NO+3NC	
		JLA1-DN04	4NC	
		JLA1-DN20	2NO	
	Auxiliary Contact 2-pole Front mount	JLA1-DN11	1NO+1NC	JLC1-09~18
		JLA1-DN02	2NC	
		JLA1-DN02	2NC	
	Contactor Coil	JLX1-D2	AC Volts	JLC1-25~32
		JLX1-D4	AC Volts	JLC1-40~95
		JLX1-D6	AC Volts	JLC1-40~95
	Contactor Coil Water Proof	JLX1-6N	AC Volts	JLC1-115~150
		JLX1-FF	AC Volts	JLC1-185~225
		JLX1-FG	AC Volts	JLC1-265
		JLX1-FH	AC Volts	JLC1-400
		JLX1-FJ	AC Volts	JLC1-500
		JLX1-FK	AC Volts	JLC1-630
		JLX1-FL	AC Volts	JLC1-780
		JLX1-FX	AC Volts	JLC1-780
		JLX1-FX	AC Volts	JLC1-780

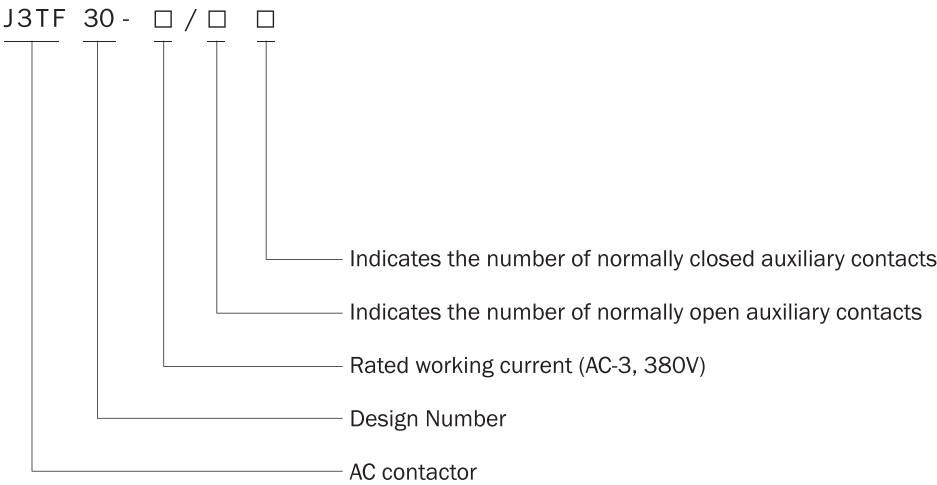
J3TF AC Contactor

1. Application range

J3TF series slag contactor utilises dry AC 50H7 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



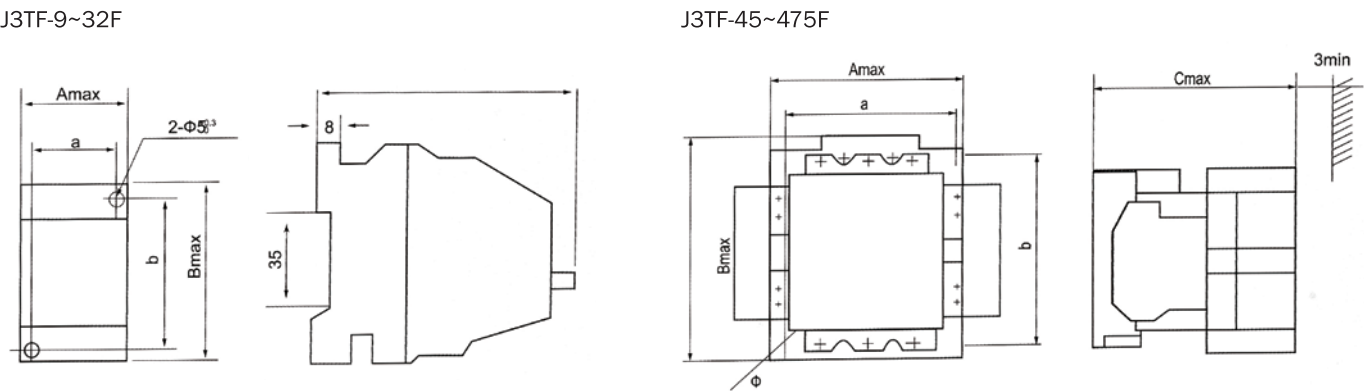
3. Working conditions

- ◆ 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/
J3TF30, 40	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
J3TF31, 41	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
J3TF32, 42	690	15	30	1.2	0.2	16	7.7	4	7.5	9	9	-	3.5	6
J3TF33, 43	690	15	30	1.2	0.2	22	8.5	5.5	11	11	11	-	4	6.6
J3TF34, 44	690	10	45	1.2	0.2	32	15.6	8.5	15	21	23	-	7.5	13
J3TF35, 45	690	10	55	1.2	0.2	38	18.5	11	18.5	25	23	-	9	15.5
J3TF46	1000	10	80	1.2	0.2	45	24	15	22	30	39	-	12.6/12	21.8/208
J3TF47	1000	10	80	1.2	0.2	63	28	18.5	30	41	55	-	14.7/14	25.4/24.3
J3TF48	1000	10	100	1.2	0.2	75	34	22	37	50	67	39	17.9/17	30.9/29.5
J3TF49	1000	10	100	1.2	0.2	85	42	26	45	59	67	39	22/21	38/36
J3TF50	1000	10	160	1.2	0.2	110	54	37	55	76	100	658	28.4/27	49/46.9
J3TF51	1000	10	160	1.2	0.2	140	68	43	75	98	100	65	36/35	63/60
J3TF52	1000	10	220	1.2	0.2	170	75	55	90	118	156	90	40/38	69/66
J3TF53	1000	10	220	1.2	0.2	205	96	64	110	145	156	90	52/50	90/86
J3TF54	1000	10	300	1.2	0.2	250	110	78	132	178	235	132	61/58	105/100
J3TF55	1000	10	300	1.2	0.2	300	125	93	160	210	235	132	69/66	119/114
J3TF56	1000	10	400	1.2	0.2	400	150	125	22	248	375	250	85/81	147/140
J3TF57	1000	10	475	1.2	0.2	475	165	148	252	342	432	250	110/104	197/190

5. Shape and installation dimensions



Type	A max	B max	C max	a	b	c
J3TF-40, 41	45	78.5	104(90)	35+0.31	60+0.37	
J3TF-42, 43	46	85	114	35+0.31	75+0.37	
J3TF-44, 45	74	88	08	50+0.31	75+0.37	
J3TF-46, 47	91(114)	120	124	70+0.6	100+0.2	4.8
J3TF-48, 49	102(125)	135	142	80+0.6	100+0.2	5.5
J3TF-50, 51	122(145)	156	154	100+0.2	130+0.8	6.5
J3TF-52, 53	140(1 63)	185	190	100+0.2	160+0.8	7
J3TF-54, 55	150(173)	205	200	120+0.2	180+0.8	9
J3TF-56, 57	165(1 88)	205	225	130+0.8	180+0.8	9

J3TH Contactor Relay



J3TH-80



J3TH82

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(×10 ⁶)		AC-15(AC-11)	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(×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	Two-way	4	0
J3TH-44-OA		4	4
J3TH-53-OA		5	3
J3TH-62-OA		6	2
J3TH-71-OA		7	1
J3TH-80-OA		8	0

JCA2 Contactor Relay

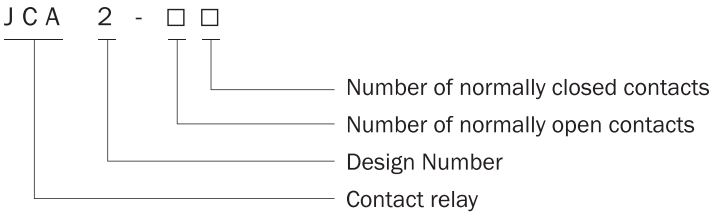


JCA2

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



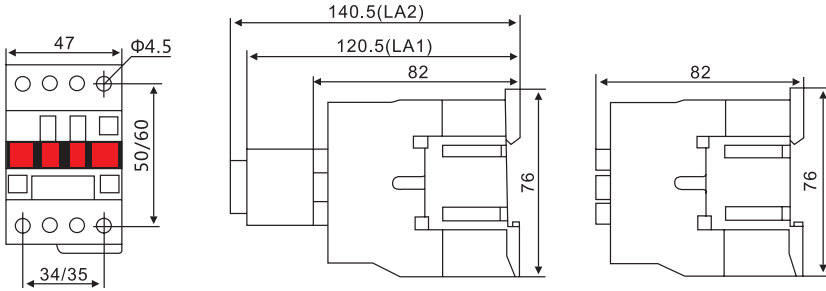
3. Outline and Mounting Dimension

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

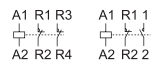
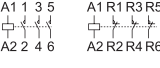
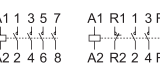
- ◆ Ambient air temperature: -5°C~+40°C, the average value within 24 hours does not exceed +35°C;
- ◆ Altitude: no more than 2000m;
- ◆ Atmospheric conditions: when the highest temperature is +40°C, the relative humidity of the air does not exceed 50%; higher relative humidity is allowed at lower temperatures, 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 ±5°;
- ◆ 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)

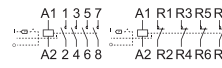
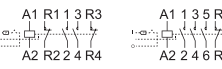


JHC8 Modular Contactor

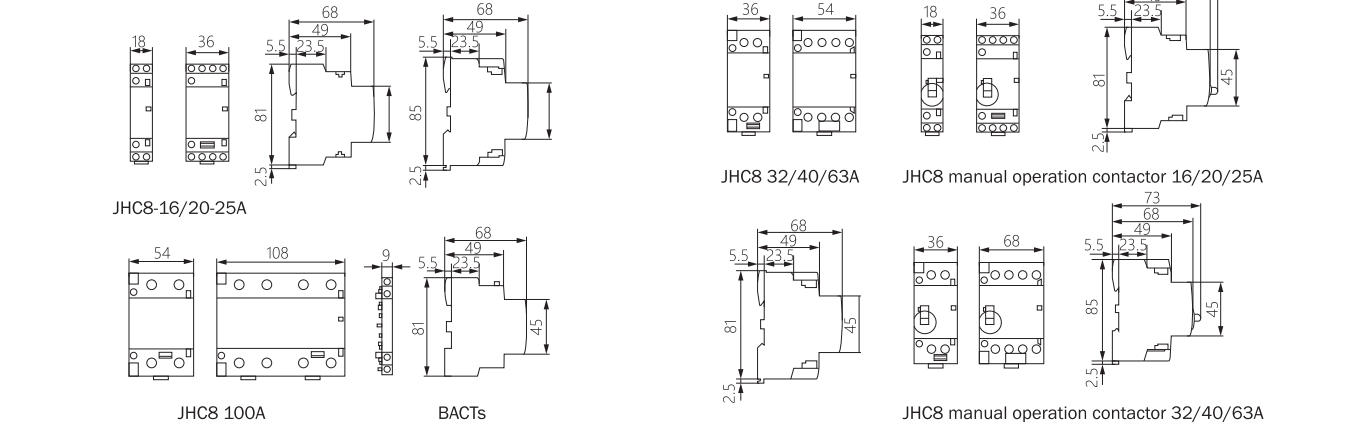
1. Technical parameters

Type	Rated current(In)		Control voltage (VAC) (50/60Hz)	Contact	Width (9mm* NO.of pole)
	AC-7a	AC-7b			
	16A	6A	24 110 230	1NO 1NC	2
	20A	7A			
	25A	9A			
	16A	6A	24 110 230	2NO 1NO +1NC 2NO	2
	20A	7A			
	25A	9A			
	32A	12A	24 110 230	2NO 1NO +1NC 2NO	4
	40A	18A			
	63A	25A			
	100A	-	24 110 230	2NO	6
	16A	6A			
	20A	7A			
	25A	9A			
	32A	12A			
	40A	18A	24 110 230	3NO 3NC	6
	63A	25A			
	16A	6A			
	20A	7A			
	25A	9A			
	32A	12A	24 110 230	4NO 2NO+2NO 4NO 3NO+1NO	4
	40A	18A			
	63A	25A			
	100A	-			
	16A	6A			
	20A	7A			
	25A	9A	24 110 230	4NO 2NO+2NO 4NO 3NO+1NO	6
	32A	12A			
	40A	18A			
	63A	25A			
	100A	-			
	16A	6A			

2. MCH8 Manual Operated Contactor 50 Hz

Type	Rated current(In)		Control voltage (VAC) (50/60Hz)	Contact	Width (9mm* NO.of pole)
	AC-7a	AC-7b			
	16A	6A	24 110 230	2NO 1NO +1NC 2NO	2
	20A	7A			
	25A	9A			
	32A	12A	24 110 230	2NO 1NO +1NC 2NO	4
	40A	18A			
	63A	25A			
	100A	-			
	16A	6A	24 110 230	4NO 2NO+2NO 4NO 3NO+1NO	4
	20A	7A			
	25A	9A			
	32A	12A			
	40A	18A	24 110 230	4NO 2NO+2NO 4NO 3NO+1NO	6
	63A	25A			
	100A	-			
	16A	6A			

Dimensions(mm)



Power Consumption

Type	Rated current(In)		Control voltage (VAC) (50/60Hz)	Power consumption		Max power
	AC-7a	AC-7b		Maintain	Maintain	
1P	25A	9A	230.240	2.7VA	9.2VA	1.2W
	16A	6A	230.240	2.7VA	9.2VA	1.2W
	20A	7A	230.240	2.7VA	9.2VA	1.2W
	25A	9A	24	3.8VA	1.5VA	1.3W
2P			230.240	2.7VA	9.2VA	1.2W
			230.240	2.7VA	9.2VA	1.2W
	40A	18A	230.240	4.6VA	34VA	1.6W
	63A	25A	230.240	4.6VA	34VA	1.6W
	100A	-	230.240	6.5VA	53VA	2.1W
	25A	9A	230.240	4.6VA	34VA	1.6W
3P	40A	18A	230.240	6.5VA	53VA	2.1W
	63A	25A	230.240	6.5VA	53VA	2.1W
	16A	6A	230.240	4.6VA	34VA	1.6W
	25A	9A	24	4.6VA	34VA	1.6W
4P			230.240	4.6VA	34VA	1.6W
			24	4.6VA	34VA	1.6W
			230.240	4.6VA	34VA	1.6W
			230.240	4.6VA	34VA	1.6W
	32A	16A	230.240	6.5VA	53VA	2.1W
	40A	18A	230.240	6.5VA	53VA	2.1W
	63A	25A	230.240	6.5VA	53VA	2.1W
			230.240	6.5VA	53VA	2.1W
			230.240	6.5VA	53VA	2.1W
	100A	-	230.240	13VA	106VA	4.2W

JMC type
Magnetic Contactors



Frame size				18AF				22AF			
				JMC-6a	JMC-9a	JMC-12a	JMC-18a	JMC-9b	JMC-12b	JMC-18b	JMC-22b
Type	Screws clamp terminals			●	●	●	●	●	●	●	●
	Lug clamp terminals			-	-	-	-	-	-	-	-
Number of poles				3pole				3pole			
Rated operational voltage, Ue				690V				690V			
Rated insulation voltage, Ui				690V				690V			
Rated frequency				50/60Hz				50/60Hz			
Rated impulse withstand voltage, Uimp				6kV				6kV			
Maximum operating rate in operating cycles per hour(AC3)				1800 operations per hour				1800 operations per hour			
Durability	Mechanical			15 mil. operations				15 mil. operations			
	Electrical			2.5 mil. operations				2.5 mil. operations			
Current and power	AC-1	Thermal current	[A]	25	25	25	32	25	27	40	45
		200/240V	[kW]	2.2	2.5	3.5	4.5	2.5	3.5	4.5	5.5
	AC-3		[A]	9	11	13	18	11	13	18	22
		380/440V	[kW]	3	4	5.5	7.5	4	5.5	7.5	11
			[A]	7	9	12	18	9	12	18	22
		500/550V	[kW]	3	4	7.5	7.5	4	7.5	7.5	15
			[A]	6	7	12	13	7	12	13	20
		690V	[kW]	3	4	7.5	7.5	4	7.5	7.5	15
			[A]	4	5	9	9	6	9	9	18
		1000V	[kW]	-	-	-	-	-	-	-	-
	[A]	-	-	-	-	-	-	-	-		
Rated Short-time withstand current (IEC 60947)	1S	[A]	210	250	280	300	250	280	300	400	
	10s	[A]	105	110	120	130	110	120	154	186	
	30s	[A]	70	70	80	85	70	80	100	130	
	1min	[A]	61	61	61	70	61	61	84	90	
	10min	[A]	40	45	47	50	45	50	60	60	
	30min	[A]	30	30	30	40	30	30	40	50	
	≥15min	[A]	25	26	28	30	26	28	30	45	
UL rating (50/60Hz)	Continuous curren		[A]	25	25	25	32	25	25	40	40
	Single phase	110-120V 220-240V	[HP]	0.5	0.5	1	2	0.5	1	2	2
			[HP]	1.5	1.5	2	3	1.5	2	3	3
	Three phase	200-208V	[HP]	2	2	3	7.5	2	3	7.5	7.5
		220-240V	[HP]	3	3	5	7.5	3	5	7.5	10
		440-480V	[HP]	5	5	7.5	10	5	7.5	10	15
		550-600V	[HP]	7.5	7.5	10	15	7.5	10	15	20
NEMA size			00	00	0	1	00	0	1	-	
 Size and weight	AC control	Weight	[kg]	0,33				0,34			
		Size(W×H×D)Z	[mm]	45×73.5×80.4				45×73.5×87.4			
	DC control	Weight	[kg]	0.4				0.41			
		Size(W×H×D)	[mm]	45×73.5×96.6				45×73.5×103.6			
Auxiliary(standard)				1NO or 1NC				1NO1NC			
Auxiliary	Side mount			UA-1				UA-1			
	Front mount			UA-2, UA-4				UA-2, UA-4			

Note) Minimum conduct current of Auxiliary contactor is DC 17V 5mA.



40AF		65AF		100AF			150AF	
JMC-32a	JMC-40a	JMC-50a	JMC-65a	JMC-75a	JMC-85a	JMC-100a	JMC-130a	JMC-150a
●	●	●	●	●	●	●	●	●
-	-	●	●	●	●	●	●	●
3pole		3pole		3pole			3pole	
1000V		1000V		1000V			1000V	
1000V		1000V		1000V			1000V	
50/60Hz		50/60Hz		50/60Hz			50/60Hz	
8kV		8kV		8kV			8kV	
1800 operations per hour		1800 operations per hour		1800 operations per hour			1200 operations per hour	
12 mil. operations		12 mil. operations		12 mil. operations			5 mil. operations	
2 mil. operations		2 mil. operations		2 mil. operations	1 mil. operations		1 mil. operations	
55	60	100	115	125	135	160	200	250
7.5	11	15	18.5	22	25	30	37	45
32	40	55	65	75	85	105	130	150
15	18.5	22	30	37	45	55	60	75
32	40	50	65	75	85	105	130	150
18.5	22	30	33	37	45	55	60	70
28	32	43	60	64	75	85	90	100
18.5	22	30	33	37	45	55	55	55
20	23	28	35	42	45	65	60	60
22	22	30	30	37	37	37	75	75
17	17	23	23	28	28	28	50	50
600	700	1000	1050	1100	1200	1320	1350	1800
260	300	550	700	750	800	900	950	1200
160	190	330	380	400	450	500	700	800
100	120	250	270	300	350	400	550	600
70	80	150	200	220	270	270	350	450
55	65	90	120	140	170	180	200	300
50	60	87	96	114	150	160	175	280
50	60	70	100	110	135	160	200	250
3	3	3	5	5	7.5	10	10	15
5	7.5	10	15	15	15	20	20	25
7.5	15	20	25	25	30	30	40	40
10	15	25	30	30	40	40	40	50
20	30	40	50	50	60	75	75	100
25	30	50	60	60	75	75	75	75
1P	2	-	-	-	3	-	-	4
0.55		1.05		1.93			2.4	
69×83×90		79×106×119		94×140×135.8				
0.77		1.3		2.8				
69×83×117.1		79×106×146.4		94×140×172.3			119×158×130.3	
2NO2NC		2NO2NC		2NO2NC			2NO2NC	
UA-1		UA-1		UA-1			UA-1	
UA-2, UA-4		UA-2, UA-4		UA-2, UA-4			UA-2, UA-4	

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

CJ

20

-

□

□

/

□

Auxiliary specification code ("06" means 660V; "11" means 1140V)

Mining contactors are represented by the letter "K",

Energy-saving (energy) type is represented by "J"

Direct operation is represented by "Z"

Basic specification code, expressed by 380V,

AC-3 rated working current value

Design Number

AC contactor

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.

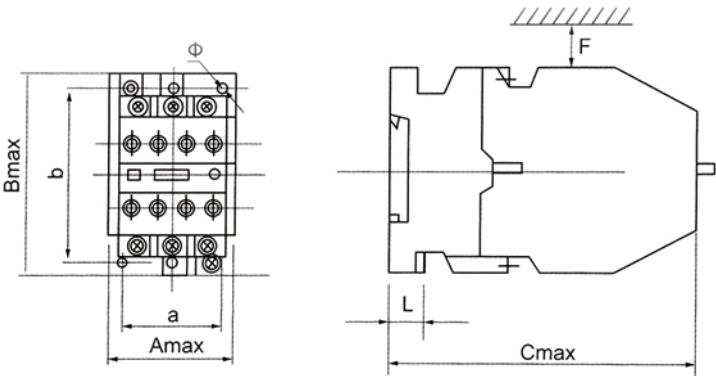


Figure 1 CJ20-10, 16, 25 shape and installation dimensions

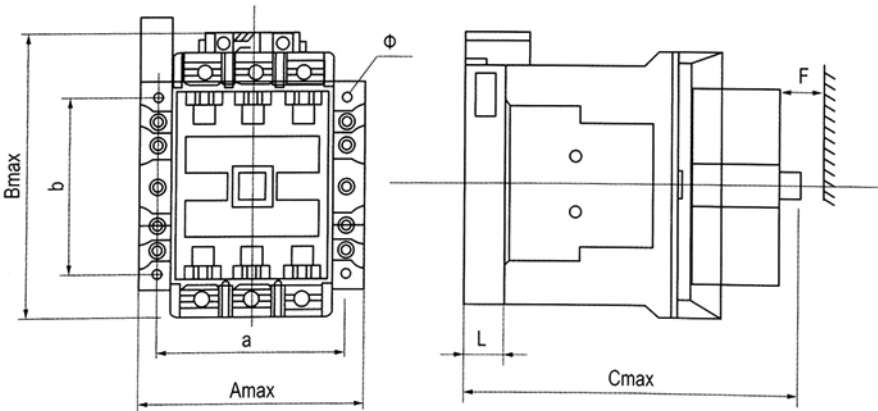


Figure 2 CJ20-40 appearance and installation dimensions

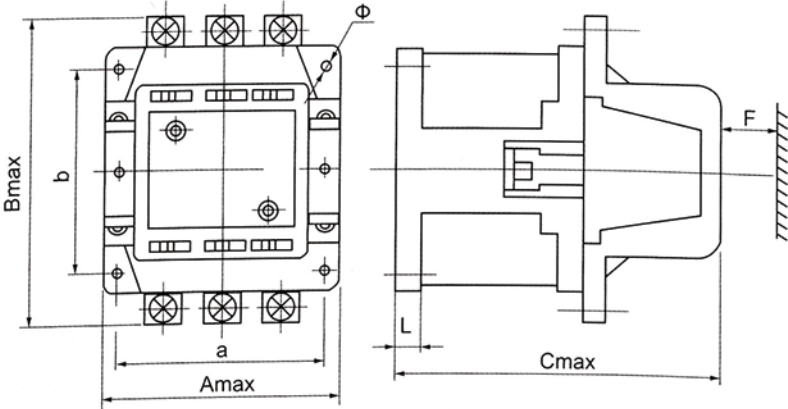


Figure 3 CJ20-60~630 appearance and installation dimensions

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.

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 DIELECRIC 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

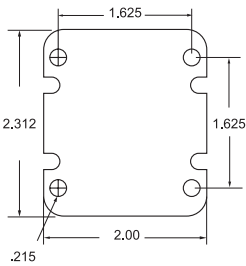
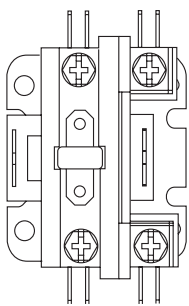
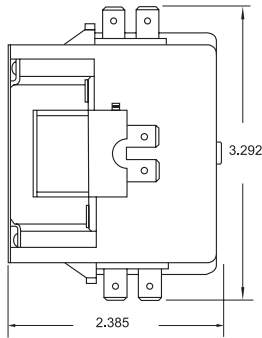
2 Pole : Dual or Quand.25"QC

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

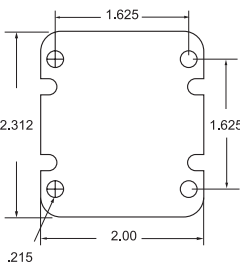
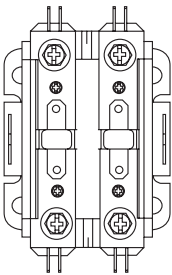
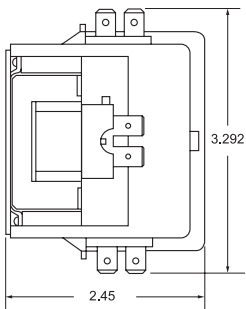
2. Electrical Rating

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



1 Pole Dimensions (Inches)



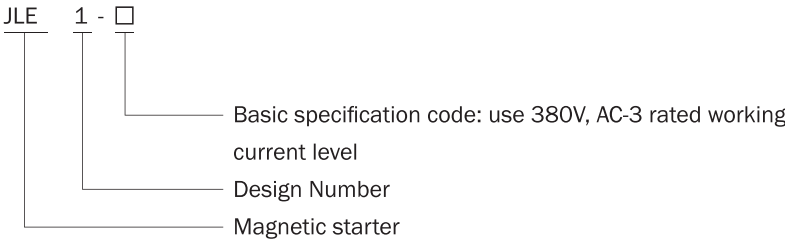
2 Pole Dimensions (Inches)

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.

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 Us 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%Us~110% Us; 50/60Hz 85%Us~110%Us;
 - Release voltage: 20%Us~75%Us
- 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;



JLE1-D09,12,18



JLE1-D25,32



JQCX2-18

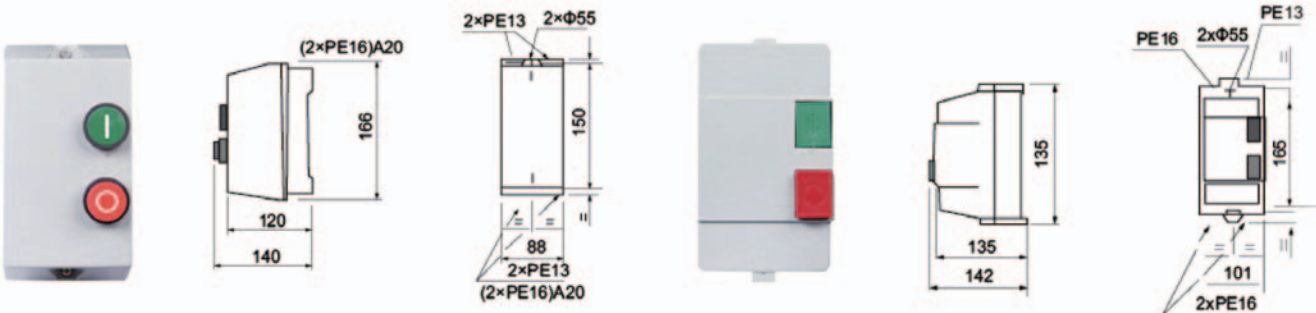


JLE1-D18N,25N,32N

5. Technical Parameters

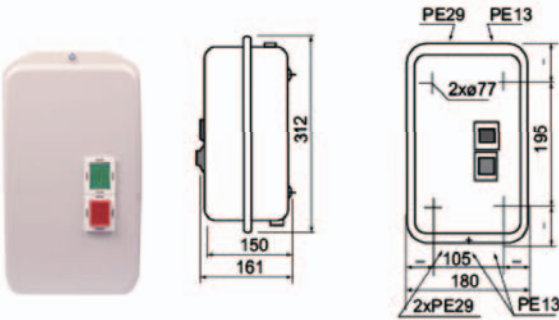
model	Rated heating Current Ith(A)	Rated insulation Voltage Ui(V)	Rated working current (A)				Rated control power AC-3(KW)						Equipped thermal relay model	Current setting range(A)	Equipped AC contactor model
			AC-3		AC-4		220V	380V	415V	440V	500V	660V			
			380V	660V	380V	660V	230V	400V				690V	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

6. Shape And Installation Dimensions (mm)



JLE1-09~18 appearance and installation dimensions

JLE1-25~32 appearance and installation dimensions



JLE1-40~95 appearance and installation dimensions

JLRD New Thermal Overload Relay



JLRD-13



JLRE-13



JLRD-365



JLRD-33

1. Application

JLRD series thermal relay is suitable for using in the circuits rated voltage up to 660V, rated current 93A AC 50/60Hz, for over-current protection of AC motor. The relay has the differential mechanism and temperature compensation and can plug in JLC1N series AC contactor. The product conforms to IEC60947-4-1 standard.

2. Motion Characteristic: Three-Phase Balance Motion Time

No	Times of the setting current(A)	Motion time	Start condition	Ambient temperature
1	1.05	>2h	Cold state	20±5 °C
2	1.2	<2h	Heat state	
3	1.5	<4min	(Following the No.1 test)	
4	7.2	10A 2s<Tp≤10s ≤63A 10 4s<Tp≤10s >63A	Cold state	

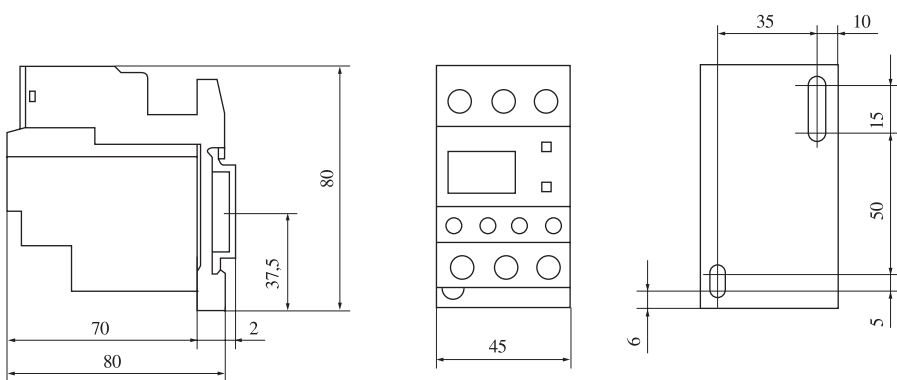
3. Phase-Losing Motion Characteristic

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

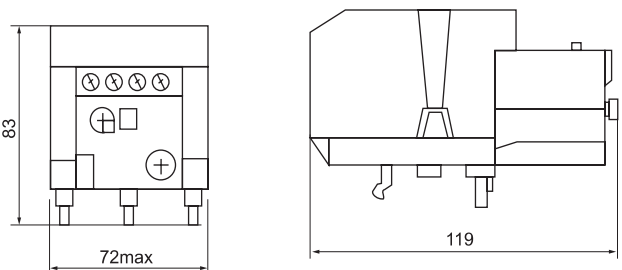
4. Specification

Type	Number	Setting range (A)	For contactor
JLRD-13	1301	0.1~0.16	D09~D32
	1302	0.16~0.25	D09~D32
	1303	0.25~0.4	D09~D32
	1304	0.4~0.63	D09~D32
	1305	0.63~1	D09~D32
	1306	1~1.6	D09~D32
	1307	1.6~2.5	D09~D32
	1308	2.5~4	D09~D32
	1310	4~6	D09~D32
	1312	5.5~8	D09~D32
	1314	7~10	D09~D32
	1316	9~13	D09~D32
	1321	12~18	D09~D32
	1322	16~24	D25~D32
	1332	23~32	D32~D38
JLRD-33**/3**	3322/325	17~25	D40~D95
	3353/332	23~32	D40~D95
	3355/340	30~40	D40~D95
	3357/350	37~50	D50~D95
	3359/365	48~65	D50~D95
	3361/370	55~70	D65~D95
	3363 /380	63~80	D80~D95
	3365/393	80~93	D95

5. Outline And Mounting Dimension



JLRD13



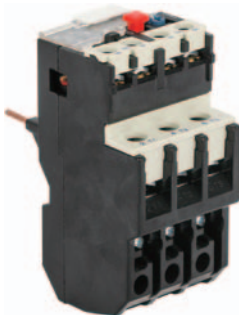
JLRD33

6. Accessories

Pic



Description	JLRD-13 mounting base	JLRD33 mounting base
Application	Assembled with JLRD-13 to form a complete set	Assembled with JLRD33 to form a complete set



JLR2-D13



JLR2-D23



JLR2-D33

JLR2-D Thermal Overload Relay

1. Application

JLR2 series thermal relay is suitable for using in the circuit rated voltage up to 660V, rated current 93A AC 50/ 60Hz, for over-current protection of AC motor. The relay has the differential mechanism and temperature compensation and can plug in JLC1 series AC contactor. The product conforms to IEC60947-4-1 standard.

2. Motion Characteristic: Three-phase Balance Motion Time

No	Times of the setting current(A)	Motion time	Start condition	Ambient temperature
1	1.05	>2h	Cold state	20±5 °C
2	1.2	<2h	Heat state	
3	1.5	<4min	(Following the No.1 test)	
4	7.2	10A 2s<Tp≤10s ≤63A 10 4s<Tp≤10s >63A	Cold state	

3. Phase-losing Motion Characteristic

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

4. Specification

Type	Number	Setting range (A)	For contactor
JLR2-D13	1301	0.1~0.16	LC1-09/38
	1302	0.16~0.25	LC1-09/38
	1303	0.25~0.4	LC1-09/38
	1304	0.4~0.63	LC1-09/38
	1305	0.63~1	LC1-09/38
	1306	1~1.6	LC1-09/38
	1307	1.6~2.5	LC1-09/38
	1308	2.5~4	LC1-09/38
	1310	4~6	LC1-09/38
	1312	5.5~8	LC1-09/38
	1314	7~10	LC1-09/38
	1316	9~13	LC1-12/38
	1321	12~18	LC1-18/38
	1322	17~25	LC1-25/38
JLR2-D23	1353	23~32	LC1-32/38
	2353	23~32	LC1-32-38
	2355	28~36	LC1-32-38
JLR2-D33	2355	30~40	LC1-32-38
	3322	17~25	LC1-40/95
	3353	23~32	LC1-40/95
	3355	30~40	LC1-40/95
	3357	37~50	LC1-50/95
	3359	48~65	LC1-65/95
	3361	55~70	LC1-65/95
	3363	63~80	LC1-80/95
JLR2-D43	3365	80~93	LC1-95
	4365	80~104	LC1-F115/150
JLR2-D53	4367	95~120	LC1-F115/150
	5369	110~140	LC1-F150
	5371	115~150	LC1-F150



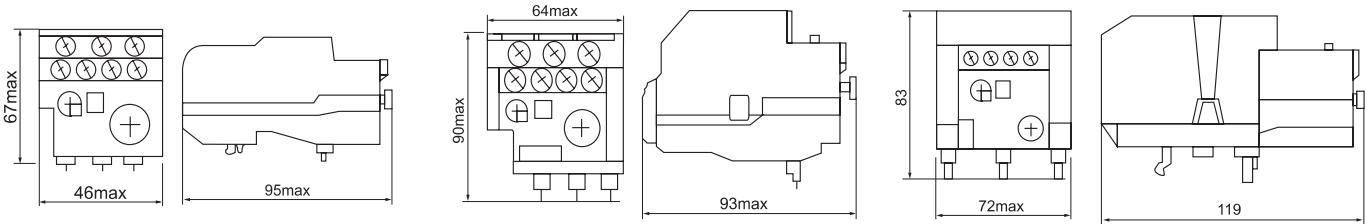
JLR9-F53



JLR9-F73

Type	Number	Setting range (A)	For contactor
JLR9-F53	F5369	90~150	JLC1-F115~F150
	F5357	30~50	JLC1-F115~F185
	F5363	48~80	JLC1-F115~F185
	F5367	60~100	JLC1-F115~F185
	F5369	90~150	JLC1-F115~F185
JLR9-F73	F5371	132~220	JLC1-F225~F265
	F7375	200~330	JLC1-F225~F500
	F7379	300~500	JLC1-F225~F500
	F7381	380~630	JLC1-F400~F630

5. Outline And Mounting Dimension



6. Accessories



Description	JLR2-D13 mounting base	JLR2-D23 mounting base	JLR2-D33 mounting base
Application	Assembled with JLR2-D13 to form a complete set	Assembled with JLR2-D23 to form a complete set	Assembled with JLR2-D33 to form a complete set

J3UA Thermal Overload Relay



J3UA54



J3UA59



J3UA-58

1. Application

J3UA thermal relay is suitable for AC 50/60Hz, voltage up to 660V and current up to 630A, general AC motor of long or discontinuous long operation, used as overload protection and has the functions of breaking phase protection, temperature compensation, and trip indication. It can automatically and manually get back. It can be fixed with contactor CJX1 together, also be independtly fixed. The product conforms to IEC60947-4-1 standard.

2. Motion Characteristic: Three-Phase Balance Motion Time

No	Times of the setting current(A)	Motion time		Start condition	Ambient temperature
1	1.05	>2h		Cold state	20±5 °C
2	1.2	<2h		Heat state	
3	1.5	<4min		(Following the No.1 test)	
4	7.2	10A	2s<Tp≤10s	≤63A	
		10	4s<Tp≤10s	>63A	

3. Phase-Losing Motion Characteristic

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

4. Specification

Type	Number	Setting range (A)	For contactor	Type	Number	Setting range (A)	For contactor
J3UA50	0A	0.1~0.16	J3TF40 J3TF41	J3UA52	0A	0.1~0.16	J3TF42 J3TF43
	0C	0.16~0.25			0C	0.16~0.25	
	0E	0.25~0.4			0E	0.25~0.4	
	0G	0.4~0.63			0G	0.4~0.63	
	0J	0.63~1			0J	0.63~1	
	0K	0.8~1.25			0K	0.8~1.25	
	1A	1~1.6			1A	1~1.6	
	1B	1.25~2			1B	1.25~2	
	1C	1.6~2.5			1C	1.6~2.5	
	1D	2~3.2			1D	2~3.2	
	1E	2.5~4			1E	2.5~4	
	1F	3.2~5			1F	3.2~5	
	1G	4~6.3			1G	4~6.3	
	1H	5~8			1H	5~8	
	1J	6.3~10			1J	6.3~10	
	1K	8~12.5			1K	8~12.5	
	2S	10~14.5			2A	10~16	
					2B	12.5~20	
					2C	16~25	

Type	Number	Setting range (A)	For contactor	Type	Number	Setting range (A)	For contactor		
J3UA54	1G	4~6.3	J3TB44	J3UA59	0K	0.8~1.25	J3TF42 J3TF43 J3TF44 J3TF45 J3TF46 J3TF47		
	1J	6.3~10			1A	1~1.6			
	2A	10~16			1B	1.25~2			
	2B	12.5~20			1C	1.6~2.5			
	2C	16~25			1D	2~3.2			
	2D	20~32			1E	2.5~4			
	2Q	25~36			1F	3.2~5			
J3UA55	0A	0.1~0.16	J3TF44 J3TF45		1G	4~6.3			
	0C	0.16~0.25			1H	5~8			
	0E	0.25~0.4			1J	6.3~10			
	0G	0.4~0.63			1K	8~12.5			
	0J	0.63~1			2A	10~16			
	0K	0.8~1.25			2B	12.5~20			
	1A	1~1.6			2C	16~25			
	1B	1.25~2			2D	20~32			
	1C	1.6~2.5			2E	25~40			
	1D	2~3.2			2M	32~45			
	1E	2.5~4			2T	40~57			
	1F	3.2~5			2P	50~63			
	1G	4~6.3		J3UA60	2H	55~80	J3TF50		
	1H	5~8			2W	63~90			
	1J	6.3~10			2X	80~110			
	1K	8~12.5			3H	90~120			
2A	10~16	3J	110~135						
J3UA58	2B	12.5~20	J3TF46 J3TF47 J3TF48 J3TF49	J3UA61	2H	55~80	J3TF54		
	2C	16~25			2W	63~90			
	2D	20~32			2X	80~110			
	2Q	25~36			3H	90~120			
	2R	32~40			3J	110~135			
	8M	36~45		3K	120~150	J3UA62	2H	55~80	J3TF52 J3TF53
	1G	4~6.3		2W	63~90				
	8A	11~17		2X	80~110				
	2B	12.5~20		3H	90~120				
	2C	16~25		3J	110~135				
	2D	20~32		3K	120~150	J3UA66	3L	135~160	J3TF54 J3TF55
	2E	25~40		3M	150~180				
	2F	32~50		2K	80~125				
	2T	40~57		3B	125~200				
	2P	50~63		3C	160~250				
	2V	57~70		J3UA68	3D	200~320	J3TF56 J3TF57		
2U	63~80	3E	250~400						
8W	70~88	3F	320~500						
0A	0.1~0.16	3G	400~630						
0C	0.16~0.25								
J3UA59	0E	0.25~0.4	J3TF40 J3TF41						
	0G	0.4~0.63							
	0J	0.63~1							

JGV2 Motor Protection Circuit Breaker



JGV2ME



JGV2P



JGV3

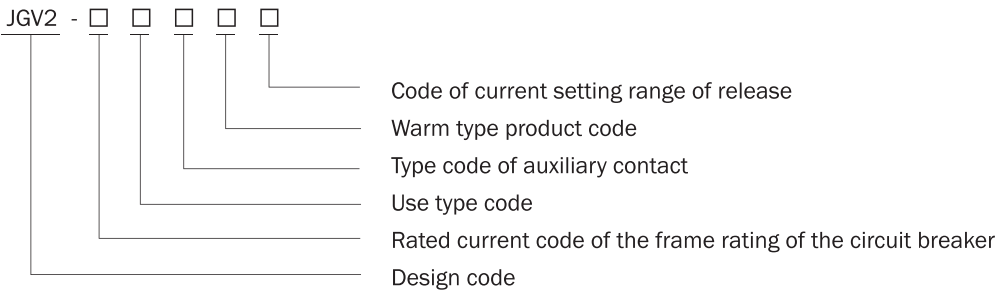


JGV2ME With Box

1. Application range

JGV2 series is a motor protection circuit breaker, adopting modular design, beautiful appearance, small size, phase failure protection, built-in thermal relay, strong functionality and good versatility. JGV2 series comply with IEC60947.2 and EC60947-4.1 and EN60947-1 standards. Kaitian and contactor can form a direct motor starter. The enclosure protection grade of JGV2 series can reach IP65. There are three types of products in this series: JGV2-M and ME are button-controlled motors with thermal-magnetic protective circuit breakers; JGV2-RS are transfer switch-controlled motors with thermal-magnetic protective circuit breakers; JGV2-LS, LE are transfer switch control The motor with magnetic protection circuit breaker (without thermal delay protection).

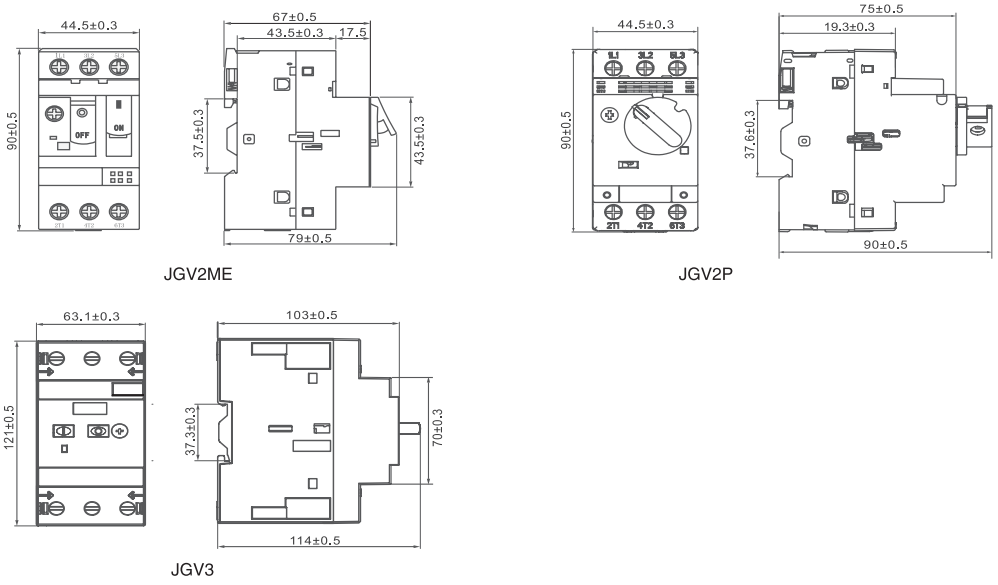
2. Product number



3. Structural features

- Three-phase bimetallic sheet type
- With continuous adjustable device for setting current
- With temperature compensation
- With action instructions
- Has a testing organization
- Has a stop button
- With manual and automatic reset buttons
- With electrically separable one normally open and one commonly closed contact

4. Shape and Installation Dimensions



5. Technical Characteristic

Table 1

Type	Rated current of trip unit In(A)	Setting current adjustment range (A)	Rated ultimate short-circuit breaking capacity Icu (kA), rated operating short-circuit breaking capacity Ics (kA)										Arcing distance (mm)
			230/240V		400/415V		440V		500V		690V		
			Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics	
JGV2ME01	0.16	0.1-0.16	100	100	100	100	100	100	100	100	100	100	40
JGV2ME02	0.25	0.16-0.25	100	100	100	100	100	100	100	100	100	100	40
JGV2ME03	0.4	0.25-0.4	100	100	100	100	100	100	100	100	100	100	40
JGV2ME04	0.63	0.4-0.63	100	100	100	100	100	100	100	100	100	100	40
JGV2ME05	1	0.63-1	100	100	100	100	100	100	100	100	100	100	40
JGV2ME06	1.6	1-1.6	100	100	100	100	100	100	100	100	100	100	40
JGV2ME07	2.5	1.6-2.5	100	100	100	100	100	100	100	100	3	2.25	40
JGV2ME08	4	2.5-4	100	100	100	100	100	100	100	100	3	2.25	40
JGV2ME10	6.3	4-6.3	100	100	100	100	50	50	50	50	3	2.25	40
JGV2ME14	10	6-10	100	100	100	100	15	15	10	10	3	2.25	40
JGV2ME16	14	9-14	100	100	15	7.5	8	4	6	4.5	3	2.25	40
JGV2ME20	18	13-18	100	100	15	7.5	8	4	6	4.5	3	2.25	40
JGV2ME21	23	17-23	50	50	15	6	6	3	4	3	3	2.25	40
JGV2ME22	32	24-32	50	50	15	6	6	3	4	3	3	2.25	40
JGV3ME40	40	25-40	-	-	35	17.5	-	-	-	-	4	2	50
JGV3ME63	63	40-63	-	-	35	17.5	-	-	-	-	4	2	50
JGV3ME80	80	56-80	-	-	35	17.5	-	-	-	-	4	2	50

Rated power of the three-phase motor controlled by the circuit breaker (see Table 2)

Table 2

Type	Magnetic trip current Id±12% A	Rated current adjustment range (A)	Standard rated power of three-phase motor (kW)			
			AC-3, 50Hz/60Hz			
			230V	400V	415V	440V
JGV2ME01	1.5	0.1-0.16	-	-	-	-
JGV2ME02	2.4	0.16-0.25	-	-	-	-
JGV2ME03	5	0.25-0.4	-	-	-	-
JGV2ME04	8	0.4-0.63	-	-	-	-
JGV2ME05	12	0.63-1	-	-	-	0.37
JGV2ME06	19.2	1-1.6	-	0.37	-	0.55
JGV2ME07	30	1.6-2.5	0.37	0.75	0.75	1.1
JGV2ME08	48	2.5-4	0.75	1.5	1.5	1.5
JGV2ME10	75.6	4-6.3	1.1	2.2	2.2	3
JGV2ME14	120	6-10	2.2	4	4	4
JGV2ME16	168	9-14	3	5.5	5.5	7.5
JGV2ME20	216	13-18	4	7.5	9	9
JGV2ME21	276	17-23	5.5	11	11	11
JGV2ME22	300	20-25	5.5	11	11	11
JGV3ME32	384	24-32	7.5	15	15	15
JGV3ME40	480	25-40	-	18.5	-	-
JGV3ME63	756	40-63	-	30	-	-
JGV3ME80	960	56-80	-	37	-	-

The enclosure protection level is: IP20;

The operating performance of the circuit breaker (see Table 3)

Table 3

Type	Frame rated current Inm(A)	Operating cycles per hour	Operation cycle times		
			Power ups	No power	Total
1	32	120	2000	10000	12000
2	80	120	2000	10000	12000

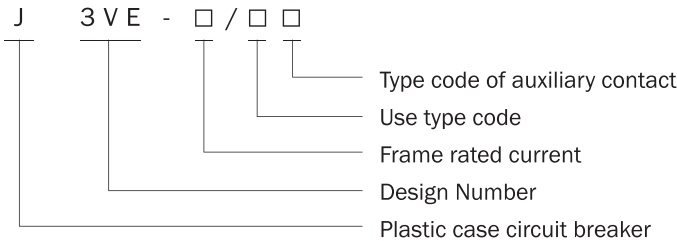
J3VE Motor Protection Circuit Breaker

1. Application

J3VE series molded case circuit breakers (hereinafter referred to as circuit breakers) are suitable for dry AC 50Hz, rated working voltage AC380V, AC660V, and rated current 0.1A to 63A. It can be used as overload and short circuit protection of electric motors. It can also be used as power distribution circuit. Used for overload and short circuit protection of electrical equipment. Under normal conditions, it can also be used for infrequent switching of lines and infrequent starting of motors.

This series of products comply with GB/T14048.2 and IEC60947-2 standards.

2. Product number



3. Structure

- This series of circuit breakers are mainly composed of mechanism, contact system, tripping device of arc extinguishing system, insulating base and shell.
- J3VE1 type circuit breakers are equipped with auxiliary contacts. J3VE3 and J3VE4 type circuit breakers are not equipped with auxiliary contacts, but they can be equipped with auxiliary contact accessories.
- There are two types of trips in circuit breakers: one is a bimetallic inverse time delay trip for overload protection; the other is an electromagnetic instantaneous trip for short-circuit protection. The circuit breaker also has a temperature compensation device, so the protection characteristics are not affected by the ambient temperature.
- J3VE1, J3VE3 and J3VE4 circuit breakers are operated by button, knob and handle respectively.
- The circuit breaker is installed in front of the board. J3VE1, J3VE3, type circuit breakers also have a standard mounting card, which can be directly installed on a standard rail with a width of 35mm (should comply with DINEN50022).
- The mechanism of J3VE3 and J3VE4 circuit breakers uses quick-on and quick-break structures, and their tripping devices have limited current characteristics, so the circuit breaker has a high short-circuit breaking capacity.
- The front of the circuit breaker has a pointer for adjusting the current of the tripping device, which can set the tripping current within the specified range.
- The circuit breaker can be attached with accessories such as undervoltage release, shunt release, indicator light, lock, and various protection types of enclosures. Please specify when ordering.

4. Tripping characteristics

Type	Rated current of trip unit (A)	Current rectification range of trip unit (A)	Types of auxiliary contacts			
			Without auxiliary contact	One normally open and one normally closed	Two normally open	Two normally closed
			correspond	correspond	correspond	correspond
J3VE1	0.16	0.1-0.16	005/2BU00	005/2BU00	005/2BU00	005/2BU00
	0.25	0.16-0.25	-2CU00	-2CU00	-2CU00	-2CU00
	0.4	0.25-0.4	-2DU00	-2DU00	-2DU00	-2DU00
	0.63	0.4-0.63	-2EU00	-2EU00	-2EU00	-2EU00
	1	0.63-1	-2FU00	-2FU00	-2FU00	-2FU00
	1.6	1-1.6	-2GU00	-2GU00	-2GU00	-2GU00
	2.5	1.6-2.5	-2HU00	-2HU00	-2HU00	-2HU00
	3.2	2-3.2	-*8HU00	-*8HU00	-*8HU00	-*8HU00
	4	2.5-4	-2JU00	-2JU00	-2JU00	-2JU00
	5	3.2-5	-*8JU00	-*8JU00	-*8JU00	-*8JU00
	6.3	4-6.3	-2KU00	-2KU00	-2KU00	-2KU00
	8	5-8	-*8KU00	-*8KU00	-*8KU00	-*8KU00
	10	6.3-10	-2LU00	-2LU00	-2LU00	-2LU00
	12.5	8-12.5	-*8LU00	-*8LU00	-*8LU00	-*8LU00
	16	10-16	-2MU00	-2MU00	-2MU00	-2MU00
	20	14-20	-2NU00	-2MU00	-2MU00	-2MU00
	25	16-25	-2PU00	-2PU00	-2PU00	-2PU00

Type	Trip rated current (A)	Current rectification range of trip unit (A)	Types of auxiliary contacts
			correspond
J3VE3	1.6	1-1.6	000/2GA00
	2.5	1.6-2.5	-2HA00
	4	2.5-4	-2JA00
	6.3	4-6.3	-2KA00
	10	6.3-10	-2LA00
	12.5	8-12.5	*8LA00
	16	10-16	-2MA00
	20	12.5-20	*8MA00
	25	16-25	-2NA00
	32	22-32	-2PA00

Type	Trip rated current (A)	Current rectification range of trip unit (A)	Types of auxiliary contacts
			correspond
J3VE4	10	6.3-10	200/0CL00
	16	10-16	-0CM00
	25	16-25	-0CP00
	32	22-32	-0CQ00
	40	28-40	-0CR00
	50	36-50	-0CS00
	63	45-63	-0CT00

JNSX Moulded Case Circuit Breaker

1. Application

JNS series plastic housing circuit breaker. They are characterized by compact size, modularization, high breaking, double break points, zero flashover, and green environmental protection. It is suitable for distribution networks with AC 50Hz, 60Hz, rated working voltage 690V and below, and rated current 12.5A to 1600A. It is used to distribute electric energy and protect lines and power equipment from overload, short circuit, undervoltage, and other faults. It can also be used for infrequent switching of lines and infrequent starting of motors under normal conditions.

The JNS series circuit breaker is also equipped with an intelligent controller, which not only increases the selection range of setting current, but also has LCD display, overload setting current, short circuit delay current, short circuit instantaneous current, and tripping time that can be set, as well as short circuit instantaneous three-stage protection and undervoltage protection; Equipped with RS485 communication interface and MODBUS-RTU protocol; DL645 protocol, users can choose according to their needs. Remote signaling: breaking/closing, tripping, alarm, and fault status indication; Remote control: breaking, closing, resetting; Telemetry: three-phase current and N-phase current, grounding current, trip memory function, and functions such as querying trip recording parameters, further improving the reliability and continuity of power supply. This circuit breaker also has an isolation function (can be used instead of a load switch).

This series of products comply with GB/T14048.2, GB/T 22710, and IEC 60947-2 standards, and have passed 3C, CE, and TSE certifications.



JNSX-100N/3P



JNSX-250N/3P

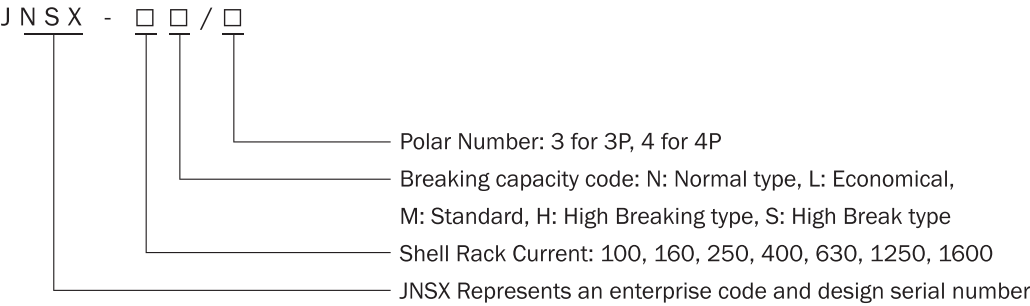


JNSX-400N/3P



JNSX-1250N/3P

2. Model Code



* Note: Other requirements at the time of ordering are subject to textual instructions

Buckle unit:

- The type of stripper is divided into: thermal magnetic stripper and Intelligent stripper
- Thermal magnetic stripper is divided into two types according to protection type Distribution Protection Code: TM; Motor (single-magnetic) protection Code: MA.
 - Intelligent stripper According to the function is divided into four kinds: Ordinary type (micrologic 2), functional type (micrologic 3) , liquid crystal current type (micrologic 5.0A), liquid crystal voltage type (micrologic 5.0E)

3. Normal work and installation conditions

- The altitude of the installation site does not exceed 2000m;
- The JNS thermomagnetic type with temperature of the surrounding medium is -5℃ ~ +40℃ , and the average temperature of 24 h is not more than +35℃ . The relative humidity of the air at the installation site does not exceed 50% at a maximum temperature of +40℃ ; at lower temperatures, there may be a higher relative humidity; the average minimum temperature of the wettest month does not exceed +25℃ for the average of the month The maximum relative humidity is not more than 90%, and the condensation on the surface of the product due to temperature changes is considered.
- JNS intelligent type with temperature of the surrounding medium is -40℃ ~ +80℃
- The product is used in non-explosive hazardous media, and the media does not have enough to corrode metals and destroy insulating gases and conductive dust.
- In places where there is rain protection and no water vapor.
- The installation category is Class III.
- The pollution level is level 3.
- The basic installation of the circuit breaker is vertical (ie vertical) or horizontal (ie horizontal).
- The incoming line is either the up line or the down line.
- Circuit breakers can be divided into fixed and plug-in types.

4. Main Technical Specification

Type		JNSX-100					JNSX-160				
Number of poles		3P□4P					3P□4P				
Shell frame maximum rated current Inm(A)		100					160				
Rated current In(A)	TM MA	12.5/16/20/25/32/40/50/63/80/100					16/20/25/32/40/50/63/80/100/125/160				
	Electronic type	100					160				
Rated insulation voltage Ui(V)		1000					1000				
Rated impulse withstand voltage Uimp(kV)		8					8				
50H-60Hz Rated voltage Ue(V) 50H-60Hz		AC400/415/500/690					AC400/415/500/690				
Flying arc Distance (mm)		0									
Short circuit breaking capability level		N	L	M	H	S	N	L	M	H	S
	AC400/415V	35	50	85	100	150	35	50	85	100	150
	AC500V	/	35	50	60	65	/	35	50	60	65
	AC690V	/	6		8	10	/	6		8	10
Usage Category		A					A				
	AC400/415V	35	50	85	100	150	35	50	85	100	150
	AC500V	/	35	50	60	65	/	35	50	60	65
Rated running shortcircuit Breaking capacityIcs(kA)											
	AC690V	/	6		8	10	/	6		8	10
Rated short time resistant current ICW (kA)(1s)	Type of Stripper	3 (micrologic 5.0A)					3 (micrologic 5.0A)				
		Additional Residual current protection module (See P12-13 EL6 remaining current module for specific parameters)									
Remaining Current protection											
	AC415V	10000					8000				
Electrical Life Test											
	AC690V	1500					1500				
Number of mechanical life		20000					20000				

Type		JNSX-250				
Number of poles		3P□4P				
Shell frame maximum rated current Inm(A)		250				
Rated current In(A)	TM MA	100/160/180/200/225/250				
	Electronic type	250				
Rated insulation voltage Ui(V)		1000				
Rated impulse withstand voltage Uimp(kV)		8				
50H-60Hz Rated voltage Ue(V) 50H-60Hz		AC400/415/500/690				
Flying arc Distance (mm)						
Short circuit breaking capability level		N	L	M	H	S
Rated limit Short circuit Breaking capacityIcu(kA)	AC400/415V	35	50	85	100	150
	AC500V	/	35	50	60	65
	AC690V	/	6		8	10
Usage Category		A				
Rated running shortcircuit Breaking capacityIcs(kA)	AC400/415V	35	50	85	100	150
	AC500V	/	35	50	60	65
	AC690V	/	6		8	10
Rated short time resistant current ICW (kA)(1s)	Type of Stripper	3 (micrologic 5.0A)				
Remaining Current protection		Additional Residual current protection module (See P12-13 EL6 remaining current module for specific parameters)				
Electrical Life Test	AC415V	8000				
	AC690V	1500				
Number of mechanical life		20000				

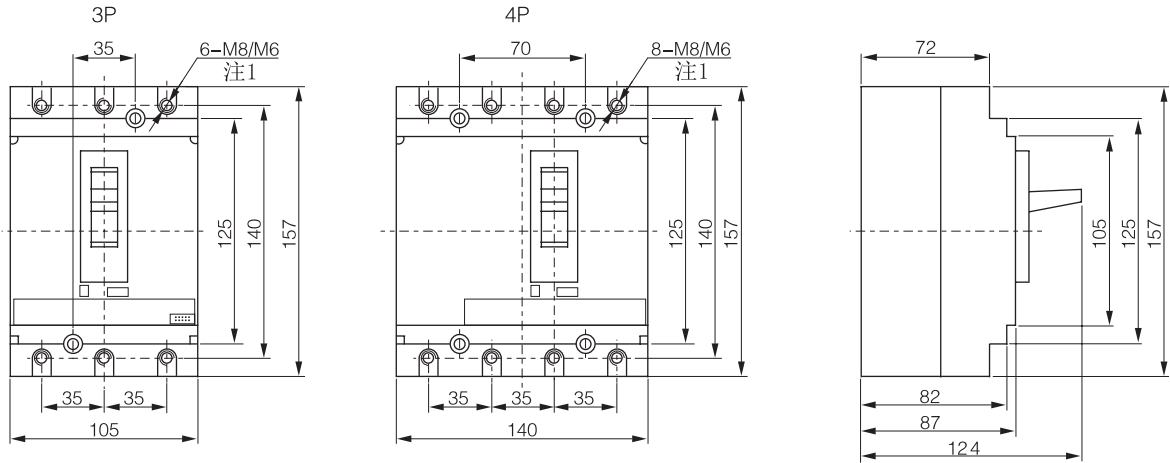
Type		JNSX-400				JNSX-630				JNSX-1250/1600	
Number of poles		3P, 4P				3P, 4P				3P, 4P	
Shell frame maximum rated current Inm(A)		400				630				1250/1600	
Rated current In(A)	TM MA	250/315//350/400				400/500//600				/	
	Electronic type	400				630				630/800/1000/1250/1600	
Rated insulation voltage Ui(V)		1000				1000				1000	
Rated impulse withstand voltage Uimp(kV)		8				8				8	
50H-60Hz Rated voltage Ue(V)50H-60Hz		AC400/415/500/690V				AC400/415/500/690V				AC400/415/500/690V	
Flying arc Distance (mm)		0									
Short circuit breaking capability level		L	M	H	S	L	M	H	S	M	H
Rated limit Short circuit Breaking capacityIcu(kA)	AC400/415V	50	85	100	150	50	85	100	150	50	65
	AC500V	35	50	60	65	35	50	60	65	35	45
	AC690V	10		15	20	10		15	20	20	30
Rated running shortcircuit Breaking capacityIcs(kA)	AC400/415V	50	85	100	150	50	85	100	150	50	65
	AC500V	35	50	60	65	35	50	60	65	35	45
	AC690V	10		15	20	10		15	20	20	30
Working with categories	TM /MA micrologic 2	A				A				/	
	micrologic 3										
	micrologic 5.0A	B				B				B	
Rated short time resistant current ICW (kA)(1s)		5 (micrologic 5.0A)				5 (micrologic 5.0A)				20 (micrologic 5.0A)	
Remaining Current protection		Additional Residual current protection module (See P12-13 EL6 remaining current module for specific parameters)									
Electrical Life Test	AC415V	6000				5000				1500	
	AC690V	1000				1000				1000	
Number of mechanical life		10000				10000				10000	

Action characteristics of overload long delay and short circuit instantaneous protection

Type	Overload long delay setting current (IR)	Overload long delay (6-IN) Fix buckle time	Short-circuit shorter delay tuning current (ISD)	Short-circuit shorter delay setting time (TSD)	Short-circuit transient tuning current (Ii)	Grounding Protection setting current (IG)	Grounding Protection Setting time (TG)	Type of Stripper
JNSX-100 JNSX-160 JNSX-250	(0.8~1)In	/	/	/	10In	/	/	Thermomagnetic (single adjustable)
	/	/	/	/	12In	/	/	Single magnet (MA)
	(0.4~1)In	/	(1.5~10)I _r	/	10In	/	/	micrologic 2
	(0.4~1)In	0.5~12s	(1.5~12)I _r	0.5s~0.4s	(2~15)In	(20%~100%) In	optional	micrologic 3
	(0.4~1)In	1.5~24s	(1.5~12)I _r	0s~0.4s	(2~15)In	(30%~100%) In	0s~0.4s	micrologic 5.0A
JNSX-160 JNSX-250	(0.4~1)In	1.5~24s	(1.5~12)I _r	0s~0.4s	(2~15)In	(30%~100%) In	0s~0.4s	micrologic 5.0E
	(0.8~1)In	/	/	/	(5~10)In	/	/	Thermal magnetic type (Dualadjustable)
	/	/	/	/	12In	/	/	Single magnet (MA)
	(0.7~1)In	/	/	/	(5~10)In	/	/	Thermomagnetic Dual Adjustable(TM)
	(0.4~1)In	/	(1.5~10)I _r	/	10In	/	/	micrologic 2
JNSX-400 JNSX-630	(0.4~1)In	0.5~24s	(1.5~12)I _r	0.1s~0.4s	(2~15)In	optional	optional	micrologic 3
	(0.4~1)In	1.5~24s	(1.5~12)I _r	0s~0.4s	(2~15)In	(30%~100%) In	0s~0.4s	micrologic 5.0A
	(0.4~1)In	1.5~24s	(1.5~12)I _r	0s~0.4s	(2~15)In	(30%~100%) In	0s~0.4s	micrologic 5.0E
	(0.4~1)In	/	(1.5~10)I _r	/	10In	/	/	micrologic 2
JNSX-1250 JNSX-1600	(0.4~1)In	0.5~12s	(1.5~12)I _r	0.5s~0.4s	(2~15)In	(20%~100%) In	optional	micrologic 3
	(0.4~1)In	0.5~24s	(1.5~12)I _r	0s~0.4s	(2~15)In	(30%~100%) In	0s~0.4s	micrologic 5.0A
	(0.4~1)In	0.5~24s	(1.5~12)I _r	0s~0.4s	(2~15)In	(30%~100%) In	0s~0.4s	micrologic 5.0E

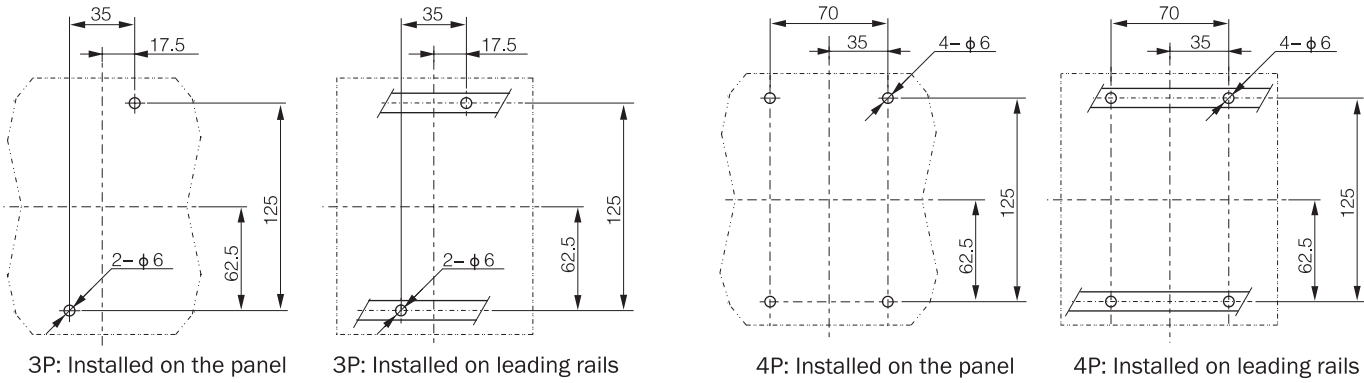
5. Shape and Installation Dimensions

JNSX-100, 160, 250 Shape and installation dimensions

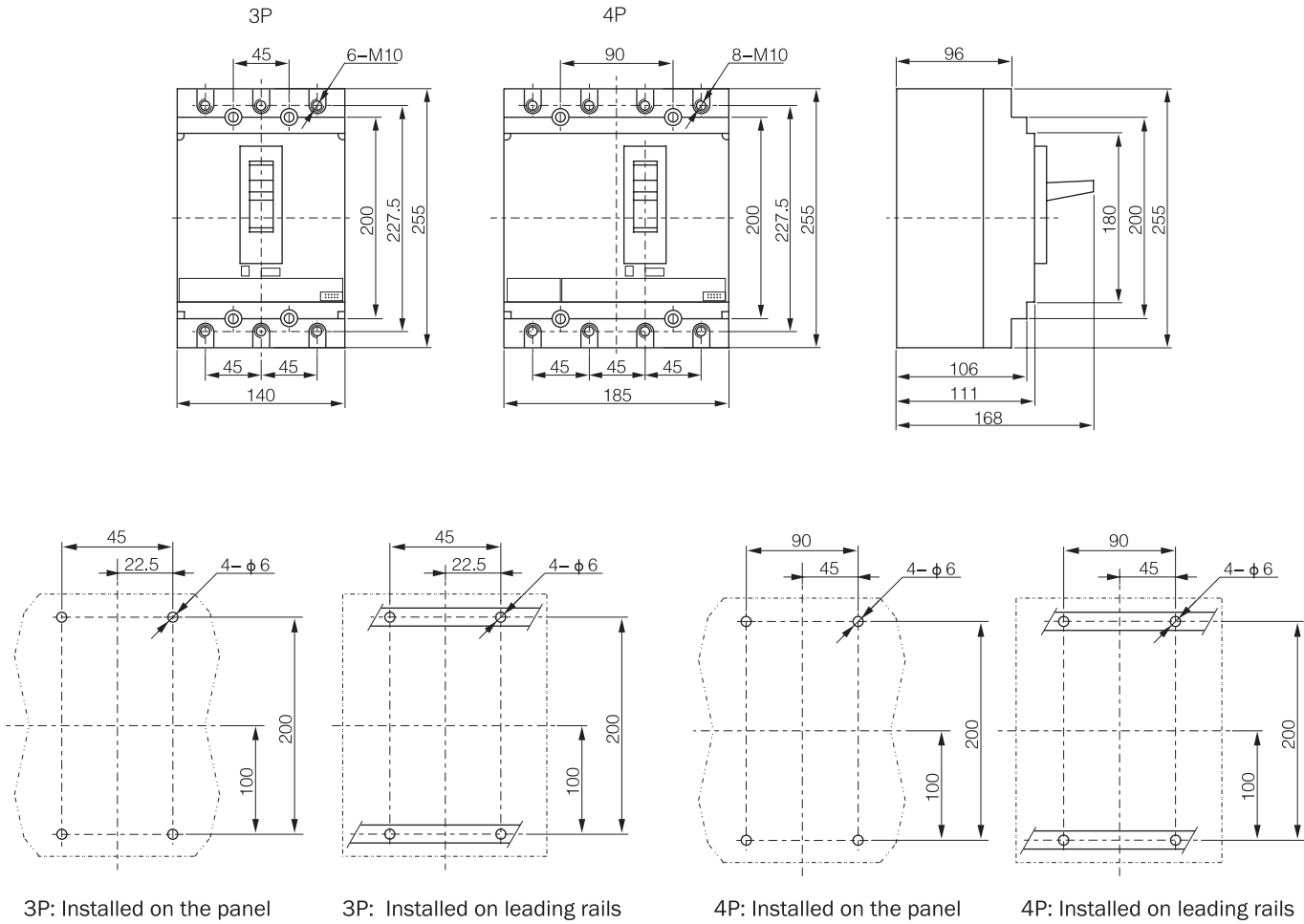


Attention1:when in >100A,Fixing screw size should be M8, When In ≤100A, fixing screw size should be M6.

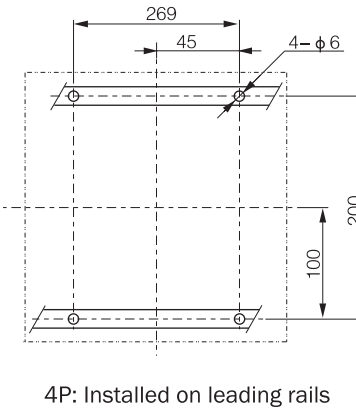
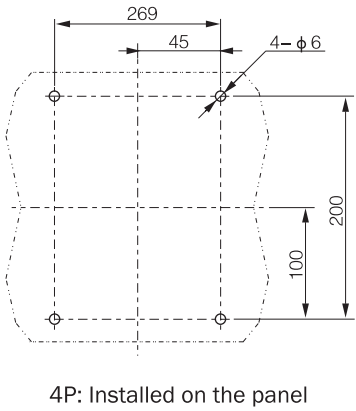
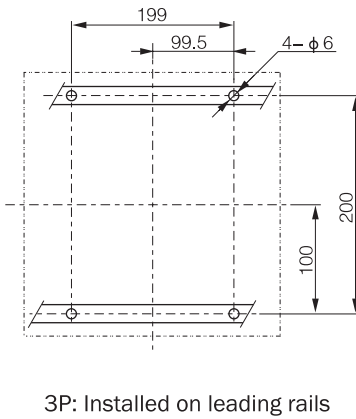
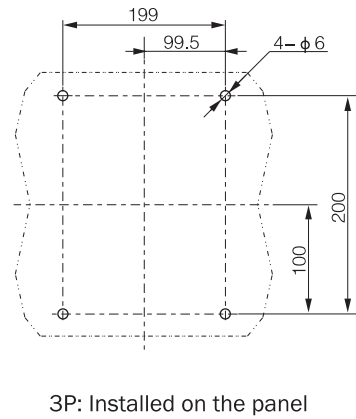
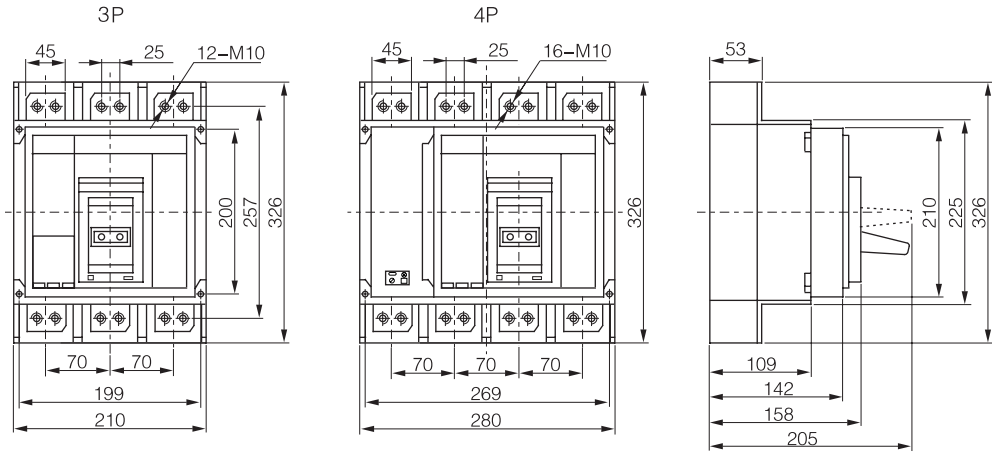
JNSX-100, 160, 250 Shape and installation dimensions



JNSX-400, 630 Shape and installation dimensions



JNSX-1250, 1600 Shape and installation dimensions



JM1 Moulded Case Circuit Breaker



JM1-125/3P



JM1-225/3P



JM1-400/3P



JM1-630/3P

1. Application

JM1 series moulded case circuit breaker is one of products developed and manufactured by adopting international advanced technology. It is supplied with rated insulating voltage 550 and 800V and used for circuit of AC 50/60Hz, rated operating voltage AC 400V (or below), rated operating current up to 1600A for infrequent changing over and starting of the motors.The products conforms to IEC60947-2 standard.

2. Main Technical Specification

Table 1

Type	Rated current (A)	Pole	Rated insulating voltage (V)	Rated operating voltage (V)	Arcing-over distance (mm)	Ultimate short circuit breaking capacity (kA)	Servies short circuit breaking capacity (kA)	Operation performance	Utilization category
JM1-63L	(6),10,16,20,25,32,40,50,63		500V		0	25	18		1500 8500
JM1-100L	(10),16,20,25,32,40,50,63,80,100				0(≤50)	35	22		
JM1-100H					0(≤50)	85	50		1000 7000
JM1-225L	100,125,160,180,200,225	3, 4			≤50	35	22		
JM1-225H					≤50	85	50		
JM1-400L	225,250,315,350,400		800V	400V	≤50	50	35		
JM1-630L	400500630				≤100	50	35		
JM1-630H					≤100	100	65		1000 4000
JM1-800M	630,700,800	3			≤100	75	50		
JM1-800H					≤100	100	65		
JM1-1250H	1000,1250				≤100	125	75		

Note: 6A without thermal protection

The N-pole of four-poles breaker is sited at the right side of the product has four types:

Type A: Without current trip-lease on N pole which making all the time, not closing and opening with the other three poles.

Type B: Without current trip-release on N pole which closing and opening with the other poles.

Type C: With current trip-release which closing and opening with the other three poles.

Type D: With current trip-release which making all the time not closing and opening with the other three poles.

3. Protection Characteristic

The thermodynamic release of a circuit breaker provides the feature of inverse time-delay, while the magnetic release is the instantaneous operation as shown on table 2(distribution circuit breaker) and table 3 (motor protection circuit breaker).

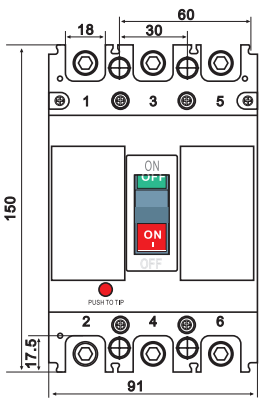
Table 2

Rated current of release (A)	Thermodynamic release (ambient temperature land +40°C marine +45°C)		Operating current of magnetic release (A)
10≤In≤63	≥1	< 1	10In±20%
63 < In ≤100	≥2	< 2	
100 < In≤800	≥2	< 2	5In±20% 10In±20%

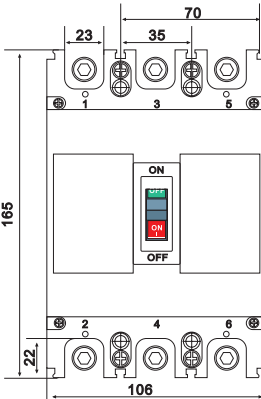
Table 3

Rated current of release (A)	Thermodynamic release (ambient temperature land +40°C marine +45°C)				Operating current of magnetic release (A)
	1.0In(cold state) non-trip time(h)	1.20In(heat state) trip time (h)	1.50In(heat state) trip time (h)	7.2In(cold state) trip time(h)	
10≤In≤225			≤4min	4s < Tp≤10s	12In±20%
225 < In≤630	≥2	< 2	≤8min	6s < Tp≤20s	

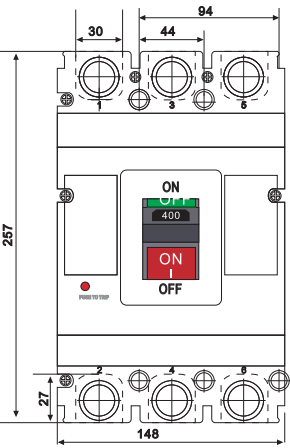
4. Shape and Installation Dimensions



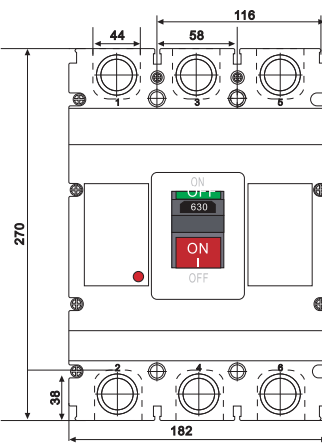
JM1-125 Drawing



JM1-250 Drawing



JM1-400 Drawing



JM1-630 Drawing

JM1L Earth Leakage Circuit Breaker

1. Application and Description



JM1L-225M/3P



JM1L-400M/4P

JM1L series earth leakage circuit breaker are one of the new type earth leakage breakers which have been developed by the company using international advanced design and manufacturing technology. Suitable for a line of AC50/60Hz, rated voltage up to 400V, rated current 16A to 630A. and is acted as infrequent changeover of circuit or infrequent starting of motor. The breaker has overload, short-circuit and under-voltage protective function, which can protect the circuit and the power equipment against damage, meanwhile, it can provide protection to these fire dangers that caused by these long-time existed grounding fault that can not be detected by the over-current protection.

This breaker can be installed vertically(upright) or horizontally(transverse).

Wiring of the breaker can not be in adverse direction, that means power supply line must be connected to terminal 1,3 and 5,and the load line connected to terminal 2,4 and 6.

The rated residual operating current $I \Delta n$ and the maximum breaking time can be adjusted on site according to practical condition.

The leakage protection module still can work normally when the phase voltage reduce to 50V.

It has the same overall size with the JM1 series breakers, which make the installation more exchangeable.

The breakers are suitable for isolation, its symbol are:

The breakers comply with the demands of the following standards:

IEC60947-1 and GB/T 14048.1 General

IEC60947-2 and GB 14048.2 Low voltage breakers

IEC60947-4 and GB 14048.4 Contactors and motor starters

IEC60947-5.1 and GB 14048.5 Electrical equipments of electromechanical control circuit

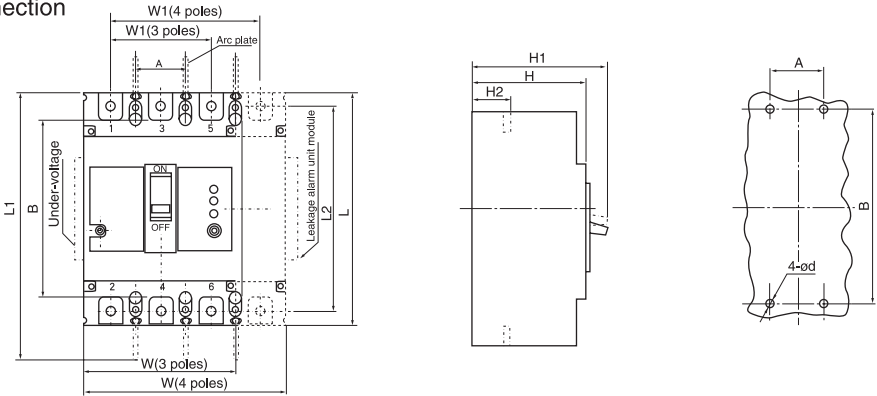
2. Main Technical Specifications

Type		JM1L-100		JM1L-225		JM1L-400		JM1L-630	
Frame current Inm(A)		100		225		400		630	
Rated current In(A)		(10)16,20,25,32,40,50,63,80,100		100, 125, 160, 180, 200, 225		225, 250, 315, 350,400		400, 500, 630	
Pole number		3	4	3	4	3	4	3	4
Rated insulation voltage Ui(V)		AC800							
Rated working voltage Ue(V)		AC 400V							
Rated impulse with stand voltage Uimp(V)		8000							
Arc-over distance(mm)		>50							
Breaking capacity grade		M		H		M		M	
Limiting short-circuit breaking capacity Icu (kA)		50	85	50	50	85	50	65	65
Service short-circuit breaking capacity Ics(kA)		35	50	35	35	50	35	42	42
Rated residual operating current IΔn(mA)	Non-delay type	100/300/500							
	Delay type	100/300/500							
Rated residual non-operatingcurrent IΔno(mA)		1/2 IΔn							
Operation performance (time)		1500		1000		1000		1000	
		8500		7000		4000		4000	

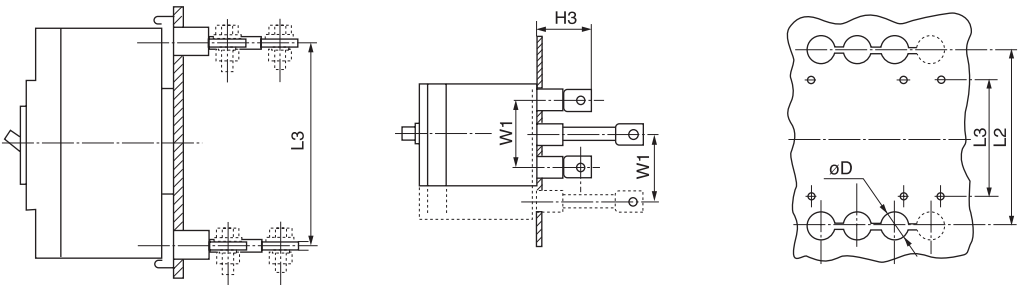
5. Outline and Installation Dimensions

Type	Outline dimensions																			Installation dimensions			
	Front panel connection									Back panel connection			Plug-in connection										
	W	L	H	W1	L1	L2	H1	H2	L3	H3	D	L4	L5	H4	H5	H6	C	D	D1	A	B	d	
JM1L-100M,H/3P	92	150	92	60	200	200	132	110	28.5	90	93	168	92	50	64	76	60	56	6.5	30	129	4.5	
JM1L-100M,H/4P	122	150	92	90	200	200	132	104	28.5	90	93	168	92	50	64	76	60	56	6.5	30	129	4.5	
JM1L-225M,H/3P	107	165	90	70	265	265	144	110	24	93	100	183	94	50	71.5	86.5	90	54	6.5	35	126	5.5	
JM1L-225M,H/4P	142	165	103	105	265	265	144	127	24	93	100	183	94	50	710.5	86.5	70	54	6.5	35	126	5.5	
JM1L-400M,H/3P	150	257	106.5	96	441	441	224	146.5	38	164	108.5	279	-	60	83.5	106.5	105	129	8.5	44	194	7	
JM1L-400M,H/4P	198	257	106.5	144	441	441	224	146.5	38	164	108.5	279	-	60	83.5	106.5	70	129	8.5	44	194	7	
JM1L-630M,H/3P	210	280	115.5	145	480	480	243	155	45.3	158	84	296	-	61	97	148	140	143	10	70	243	7	
JM1L-630M,H/4P	280	280	115.5	210	480	480	243	155	45.5	158	84	296	-	61	97	148	210	143	10	70	243	7	

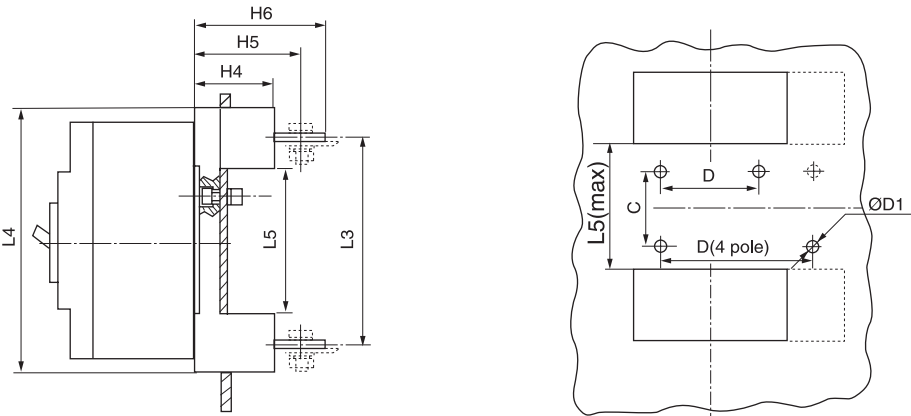
Front panel connection



Back panel connection



Plug-in connection



JM1E Electronic Moulded case Circuit Breaker

1. Application



JM1E-250/3300



JM1E-400/3300



JM3E-250/3300

The JM1E electronic moulded case circuit breaker is suitable for AC 50Hz(or 60Hz). its rated insulation voltage is 800V, its rated working voltage is 690V and below, and its rated working current is up to 800A. It is used for infrequent conversion and infrequent starting of the motor. The circuit breaker has overload long delay inverse time limit, short circuit short delay inverse time limit, short circuit short delay time limit, short circuit instantaneous and undervoltage protection functions and residual current protection (optional), and phase loss protection function (optional), which can protect the line and power supply equipment from damage. The circuit breaker protection features are complete and accurate, which can improve power supply reliability and avoid unnecessary power outages.

Circuit breakers are divided into two types: M type (higher high-breaking type) and H type (higher high-breaking type) according to their rated limit short circuit breaking capacity. The circuit breaker has the characteristics of small size, high breaking capacity, short arcing and anti-vibration.

The circuit breaker can be installed vertically (i.e. vertically) or horizontally (i.e. horizontally).

The circuit breaker has isolation function, and its corresponding symbol is: " ———/ ——— "

The circuit breaker cannot be reversed, that is, only power lines 1, 3, and 5 are allowed to be connected to the load lines 2, 4, and 6.

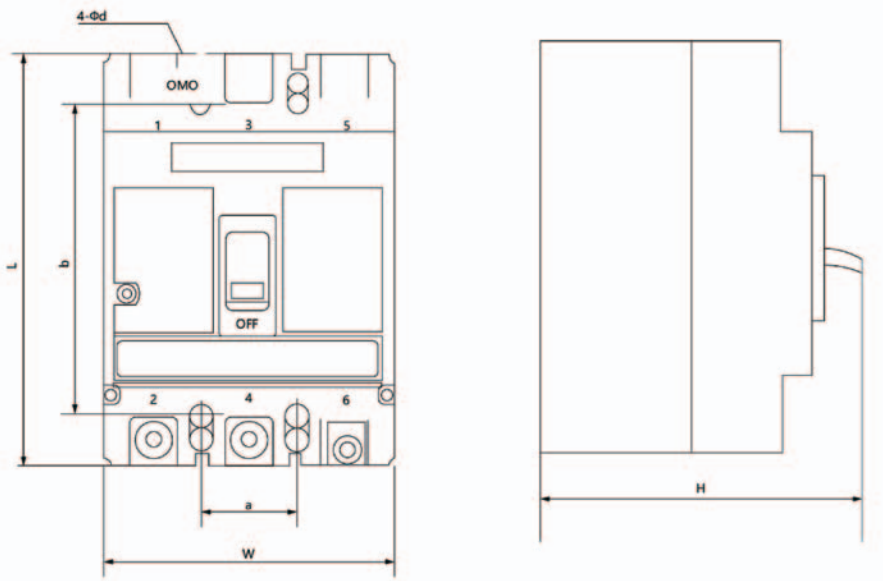
2. Technical parameters

Product Model		JM1E-125		JM1E-250	
Frame grade current inm(A)		125		250	
Rated current (adjustable)In(A)		16, 20, 25,32	32, 36, 40, 45, 50, 55, 60, 63	63, 65, 70, 75, 80, 85, 90, 95, 100, 125	100, 125, 140, 160, 180, 200, 225, 250
Rated operating voltage Ue(V)		AC 400V			
Rated insulation voltage Ui(V)		AC 800V			
Rated impulse withstand voltage Uimp		AC 8kV			
Number of poles (P)		3		4	
Rated limit short-circuit breaking capacity level		M	H	M	H
Rated limit short-circuit breaking capacity Icu(KA)		50	85	50	50 85 50
Rated operating short-circui tbreaking capacity Ics(kA)		35	50	35	35 50 35
Category of use		A		A	
Operating performance (sub)	electrify	3000		3000	
	NO electricity	7000		7000	
	L	150		165	
Overall dimensions(mm)	W	92	122	107	142
	H	92		90	
Distance		≤50		≤50	

2. Technical parameters

Product Model		JM1E-400			JM1E-630		JM1E-800		
Frame grade current inm(A)		400			630		800		
Rated current (adjustable)In(A)		200, 225, 250, 280, 315, 350, 400			400, 420, 440, 460, 480, 500, 530, 560, 600, 630		630, 640, 660, 680, 700, 720, 740, 760, 780, 800		
Rated operating voltage Ue(V)		AC 400V							
Rated insulation voltage Ui(V)		AC 800V							
Rated impulse withstand voltage Uimp		AC 8kV							
Number of poles (P)		33		4	3		3	4	
Rated limit short-circuit breaking capacity level		M	H	M	M	H	M	H	M
Rated limit short-circuit breaking capacity Icu(KA)		65	100	65	65	100	65	100	65
Rated operating short-circui tbreaking capacity Ics(kA)		42	65	42	42	65	42	65	42
Category of use		B			B		B		
Operating performance (sub)	electrify	2000			1500		1500		
	NO electricity	4000			3000		3000		
	L	257			280		280		
Overall dimensions(mm)	W	150	198		210	280	210		280
	H	106.5			115.5		115.5		
Distance		≤106.5			≤100		≤100		

3. Outline and Installation Dimension(mm)



Break line number		125		250		400		630	800
Poles		3	4	3	4	3	4	3	3
Mounting plate opening size(mm)	W	92	122	107	142	150	200	181	210
	L	150		165		257		270	280
	H	113		110		151		155.5	157
	a	30	60	35	70	44	94	58	70
	b	129		126		194		200	243
	Φ	4.5		4.5		7		7	7

JiC65N Miniature Circuit Breaker

1. General

JiC65N is applicable to electric circuits with rated voltage 230/400V AC, frequency 50/60Hz and rated current up to 125Amp. The product provides protection against voerload and short circuit to electric circuits and equipments in household and commercial installation. MCB is also used as non-frequent changeover of electric circuits.

2. Special Tips

- 1. JiC65N is for non-professional operation by those untrained, and no maintenance is required
- 2. Satisfying conditions and applications as mentioned above, MCB with "ON-OFF" indicating device is considered suitable for isolation function.
- 3. Particular devices such as surge protective devices, surge arrester etc are recommended to install at upstream line to MCB as precaution against potential surge voltage and current occurring at its power input side.
- 4. Appropriate tripping curve being chosen and properly installed, MCB trips and switches off its protected circuit in case of fault, and thus provides protection against electric shock.
- 5. B,C,D tripping curve(see graphics 1):

> B curve

- Instantaneous tripping current: 5In
- Instantaneous non-tripping current: 3In
- Application:provides protection to circuits with low inductive load

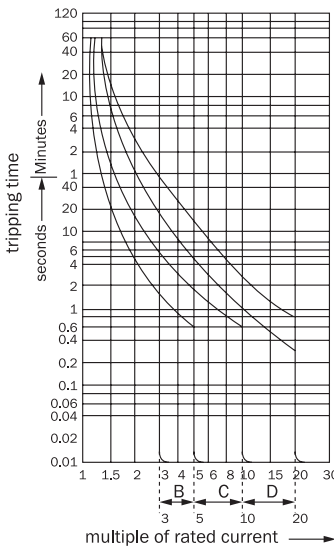
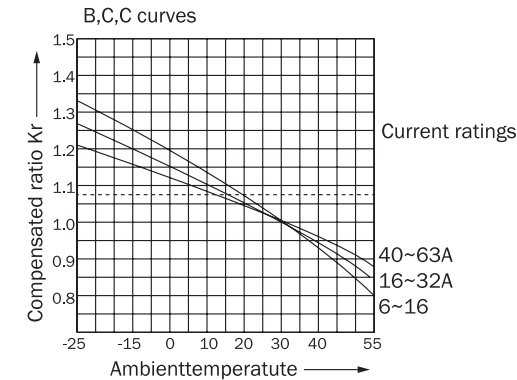
> C curve

- Instantaneous tripping current: 10In
- Instantaneous non-tripping current: 5In
- Application:provides protection to circuits with inductive loader to highly inductive illumination system

> D curve

- Instantaneous tripping current: 20In
- Instantaneous non-tripping current: 10In
- Application:provides protection to circuits with high inductive load or electric distribution system with high surge current

6.Ambient temperature and current rating curve



JiC65N-1P



JiC65N-2P



JiC65N-3P



JiC65N-4P

3. Function

- Short circuit protection
- Overload protection
- Isolation function
- Clear indication of fault disconnection

The front window indicates in red that the circuit breaker has tripped due to a fault

4. Technical parameters

Key Features		
Insulation voltage (Ui)		500 V AC
Pollution level		3
Impulse Voltage Withstand (Uimp)		6 kV
Thermal tripping		Reference setting temperature
		GB/T 10963: 30 °C
		GB/T 14048: 50 °C
Magnetic trip (Conforming to GB/T 10963)	Curve B	(3~5) In
	Curve C	(5~10) In
	Curve D	(10~14) In
Magnetic trip (Conforming to GB/T 14048)	Curve C	(8In±20%)
Usage category		A
Current limiting level		3
Unipolar breaking capacity (Icn1)		Icn1 =Icn (6000A)
Other parameters		
Protection grade (IEC/EN 60529)	Circuit breaker body	IP20
	Installed in the distribution box	IP40 Insulation class: II
Lifespan (O-C)	Electrical life	10,000 times
	Mechanical life	20,000 times
Overvoltage categories (IEC/EN60364)		IV
Operating ambient temperature		-35 °C~+70 °C
Storage environment temperature		-40 °C~+85 °C
Moisture and heat resistance (IEC/EN 60068-1)		Class 2 (at 55 °C temperature and 95% relative humidity)
Padlock	1P/2P	One
	3P/4P	Twelve

5 Outline and Installation Dimension(mm)

