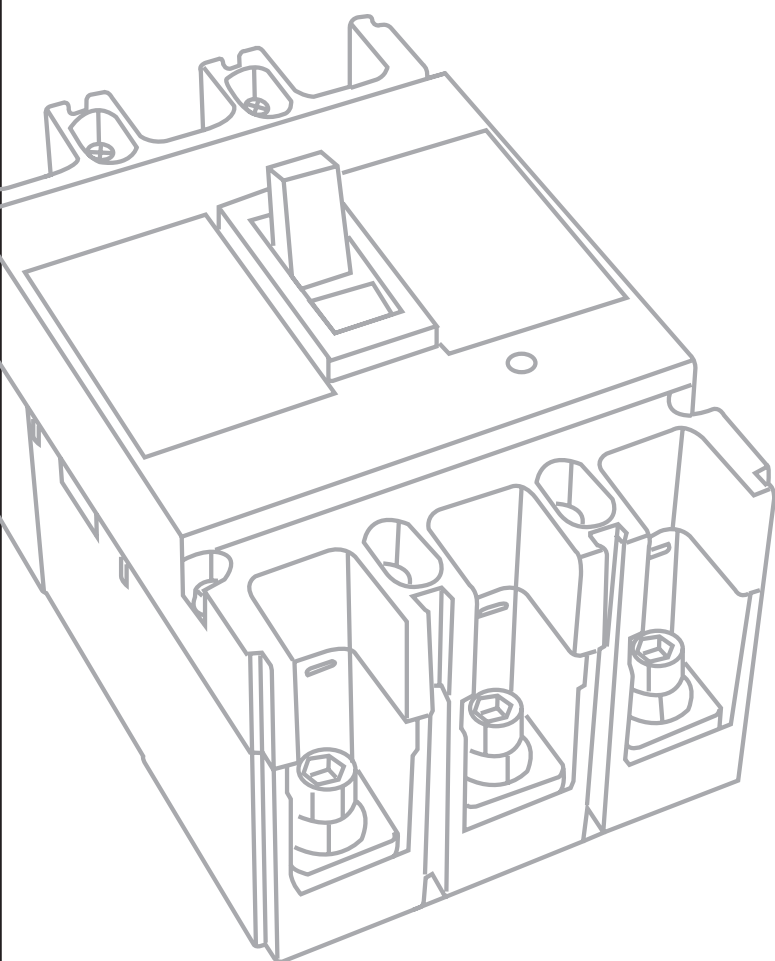


# CNJUHO

## MOLDED CASE CIRCUIT BREAKER

MOTOR PROTECTION CIRCUIT BREAKER  
SERIES CIRCUIT BREAKER IN PLASTICA CASE

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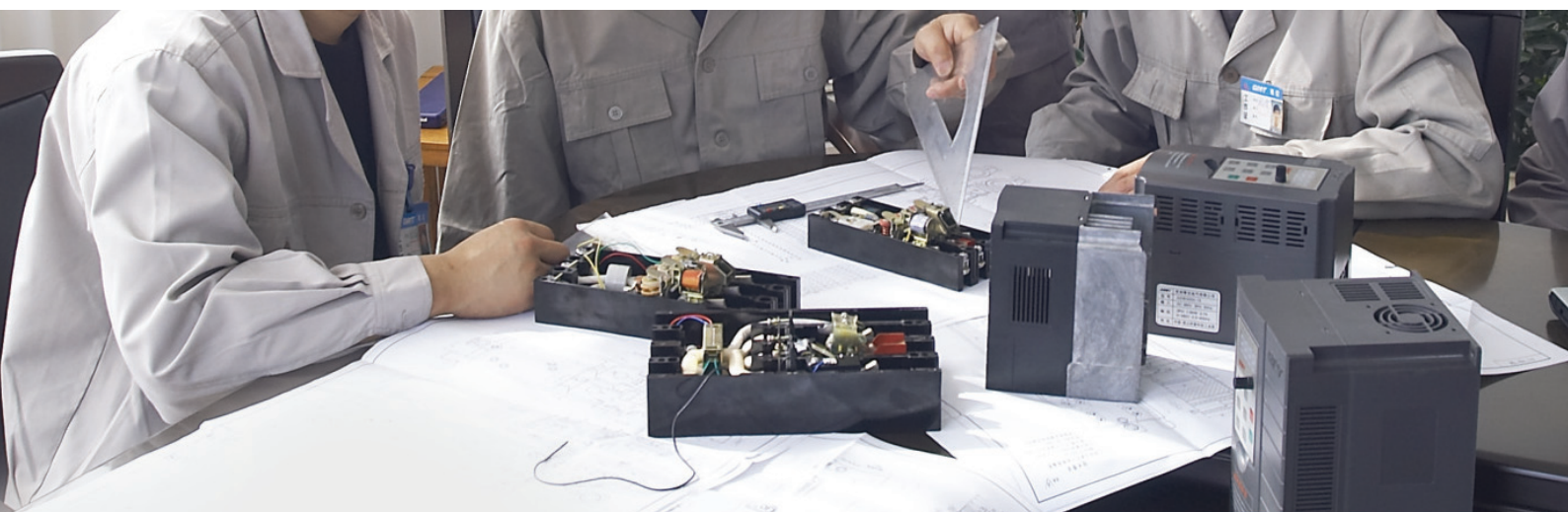


WENZHOU JUHONG ELECTRIC CO., LTD.



## Production Force

The perfect production process, not only because we have advanced production process equipment and perfect detection means, in contrast, we pay more attention to the key role of people in this process. Technical experts and technical personnel to participate in, so that our products in the manufacturing, it has excellent potential value, which is to ensure the stability and reliability of our products!







## CNJUHO PROFILE

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

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

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

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





J3VE1



J3VE3



J3VE4



J3VE-C

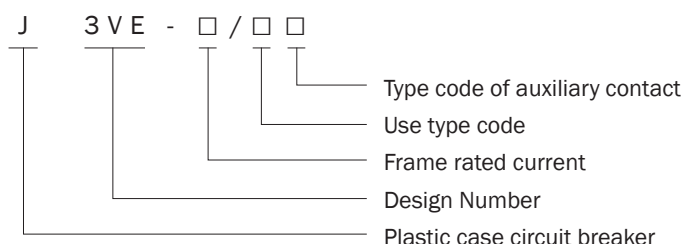
## J3VE MOTOR PROTECTION CIRCUIT BREAKER

## 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)	Code-name	Types of auxiliary contacts							
				Without auxiliary contact		One normally open and one normally closed		Two normally open		Two normally closed	
				Order number	correspond	Order number	correspond	Order number	correspond	Order number	correspond
J3VE1	0.16	0.1-0.16	B	20/10-B	005/2BU00	20/11-B	005/2BU00	20/11-B	005/2BU00	20/11-B	005/2BU00
	0.25	0.16-0.25	c	-c	-2CU00	-C	-2CU00	-C	-2CU00	-C	-2CU00
	0.4	0.25-0.4	D	-D	-2DU00	-D	-2DU00	-D	-2DU00	-D	-2DU00
	0.63	0.4-0.63	E	-E	-2EU00	-E	-2EU00	-E	-2EU00	-E	-2EU00
	1	0.63-1	F	-F	-2FU00	-F	-2FU00	-F	-2FU00	-F	-2FU00
	1.6	1-1.6	G	-G	-2GU00	-G	-2GU00	-G	-2GU00	-G	-2GU00
	2.5	1.6-2.5	H	-H	-2HU00	-H	-2HU00	-H	-2HU00	-H	-2HU00
	3.2	2-3.2	u	-u	-*8HU00	-U	-*8HU00	-U	-*8HU00	-U	-*8HU00
	4	2.5-4	J	-J	-2JU00	-J	-2JU00	-J	-2JU00	-J	-2JU00
	5	3.2-5	v	-V	-*8JU00	-v	-*8JU00	-v	-*8JU00	-v	-*8JU00
	6.3	4-6.3	K	-K	-2KU00	-K	-2KU00	-K	-2KU00	-K	-2KU00
	8	5-8	w	-w	-*8KU00	-w	-*8KU00	-w	-*8KU00	-w	-*8KU00
	10	6.3-10	L	-L	-2LU00	-L	-2LU00	-L	-2LU00	-L	-2LU00
	12.5	8-12.5	x	-X	-*8LU00	-x	-*8LU00	-x	-*8LU00	-x	-*8LU00
	16	10-16	M	-M	-2MU00	-M	-2MU00	-M	-2MU00	-M	-2MU00
	20	14-20	N	-N	-2NU00	-N	-2MU00	-N	-2MU00	-N	-2MU00

type	Trip rated current (A)	Current rectification range of trip unit (A)	Codename	Types of auxiliary contacts	
				Order number	correspond
J3VE3	1.6	1-1.6	G	32/10-G	000/2GA00
	2.5	1.6-2.5	H	-H	-2HA00
	4	2.5-4	J	-J	-2JA00
	6.3	4-6.3	K	-K	-2KA00
	10	6.3-10	L	-L	-2LA00
	12.5	8-12.5	L	-L	*8LA00
	16	10-16	M	-M	-2MA00
	20	12.5-20	M	-M	*8MA00
	25	16-25	o	-o	-2NA00
	32	22-32	P	-P	-2PA00

## 5. Tripping characteristics

type	Trip rated current (A)	Current rectification range of trip unit (A)	Codename	Types of auxiliary contacts	
				Order number	correspond
J3VE4	10	6.3-10	L	63/10-L	200/OCL00
	16	10-16	M	-M	-OCM00
	25	16-25	P	-P	-OCP00
	32	22-32	Q	-Q	-OCQ00
	40	28-40	R	-R	-OCRO0
	50	36-50	s	-s	-OCS00
	63	45-63	T	-T	-OCT00

## 9. The Main Technical Parameters

Basic parameters of circuit breaker

Model	J3VE1	J3VE3	J3VE4
Number of poles	3 poles		
Rated working voltage Ue	AC380V,AC660V		
Rated insulation voltage Ui	660V		
Rated impulse withstand voltage Uimp	6KV		
Frame grade rated current A	20	32	63
Rated short-circuit breaking capacity (KA)	AC380V	1.5	10
	AC660V	1	3
Mechanical life (times)	40000	4000	20000
Electric life (times)	5000	5000	1500

Auxiliary contact parameters

Use category	Conventional heating current A	Rated insulation voltage V	Rated working electricity	Rated working electricity
AC-15	6	660	AC220	1.8
			AC380	1.5

Note:J3VE1,2 can be equipped with auxiliary contact components alone.

Overcurrent trip characteristics

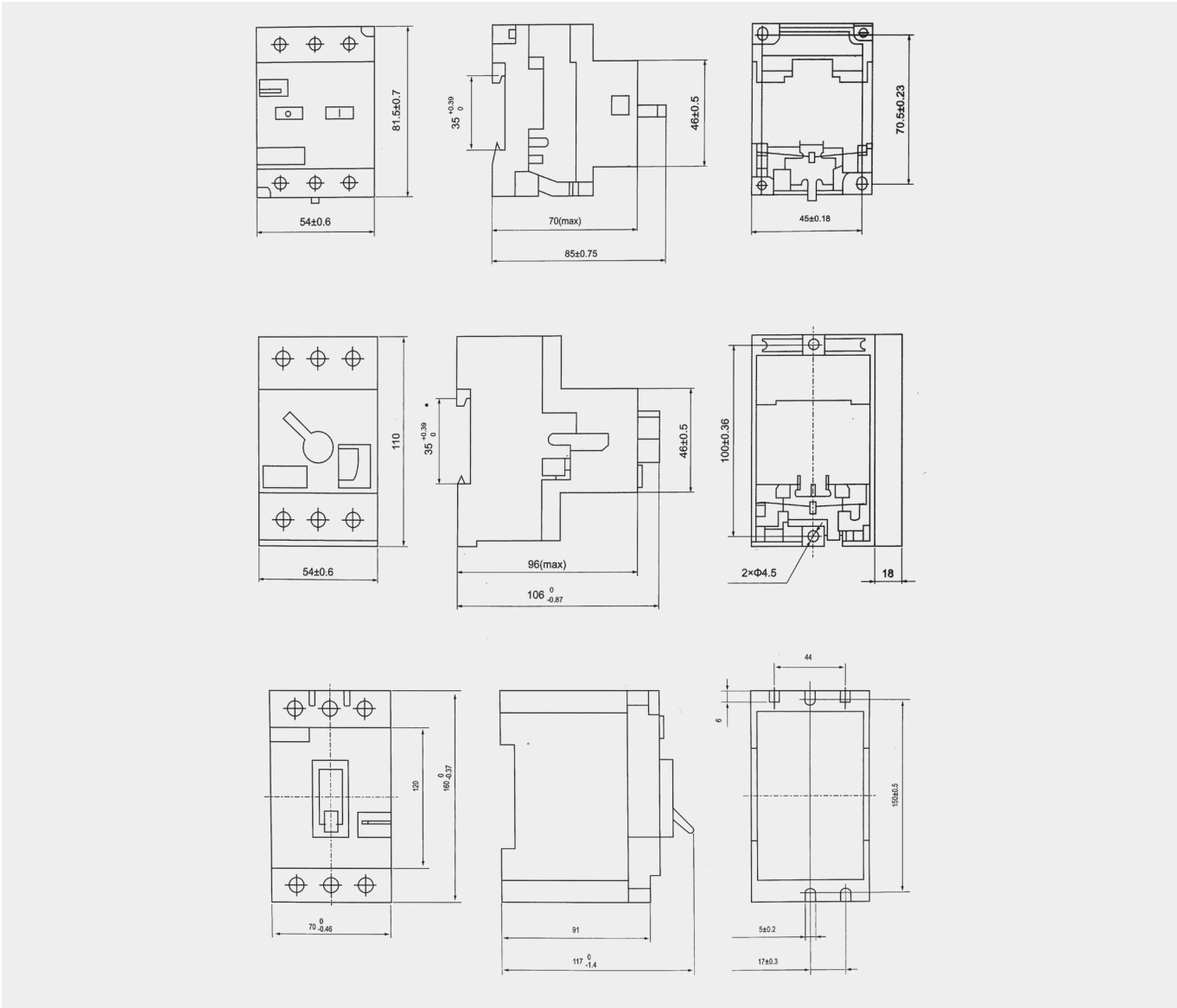
Serial number	Circuit breaker for power distribution			Ambient air temperature
	Test current multiple	Action time	Starting state	
1	1.05In	Within 1 hour No tripping	Cold start	+30°C± 2°C
2	1.3In	Trip within 1 hour	Connection 1 proceed	
3	10In	<0.2s trip	Cold start	Any suitable temperature



Overcurrent trip characteristics

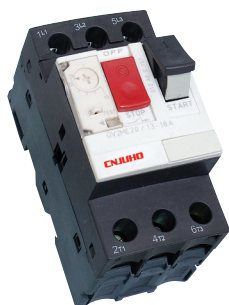
Serial number	Circuit breaker for power distribution			Ambient air temperature
	Test current multiple	Action time	Starting state	
1	1.05In	No tripping within 2 hours	Cold start	+20°C ±5°C
2	1.2In	Trip within 2 hours	Connect sequence 1 to pass and sequence 1 current reaches	
3	1.5In	Trip within 3min	Start after thermal equilibrium	
4	7.2In	2~10s trip	Cold start	Any suitable temperature
5	12In	<0.2s trip	Cold start	

7. Outline and Mounting Dimension





JGV2-32M



JGV2-32ME



JGV3-80



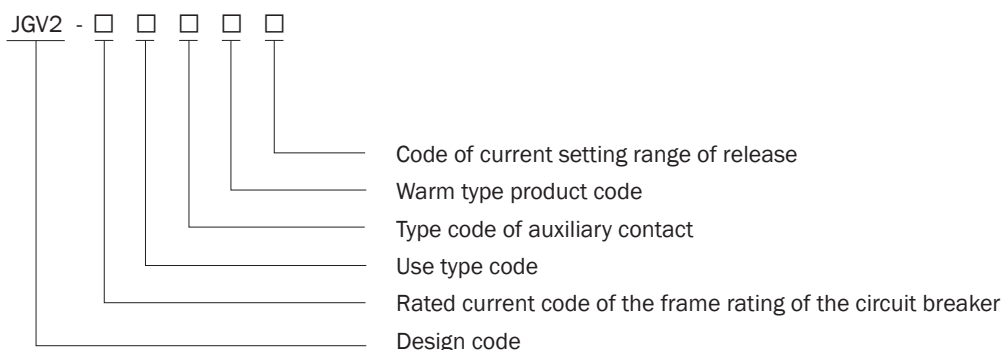
JGV2-C

## JGV2-M MOTOR PROTECTION CIRCUIT BREAKER

### 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. 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	
JGV2-32	0.16	0.1-0.16	100	100	100	100	100	100	100	100	100	100	40
	0.25	0.16-0.25	100	100	100	100	100	100	100	100	100	100	40
	0.4	0.25-0.4	100	100	100	100	100	100	100	100	100	100	40
	0.63	0.4-0.63	100	100	100	100	100	100	100	100	100	100	40
	1	0.63-1	100	100	100	100	100	100	100	100	100	100	40
	1.6	1-1.6	100	100	100	100	100	100	100	100	100	100	40
	2.5	1.6-2.5	100	100	100	100	100	100	100	100	3	2.25	40
	4	2.5-4	100	100	100	100	100	100	100	100	3	2.25	40
	6.3	4-6.3	100	100	100	100	50	50	50	50	3	2.25	40
	10	6-10	100	100	100	100	15	15	10	10	3	2.25	40
JGV3-80	14	9-14	100	100	15	7.5	8	4	6	4.5	3	2.25	40
	18	13-18	100	100	15	7.5	8	4	6	4.5	3	2.25	40
	23	17-23	50	50	15	6	6	3	4	3	3	2.25	40
	32	24-32	50	50	15	6	6	3	4	3	3	2.25	40
	40	25-40	-	-	35	17.5	-	-	-	-	4	2	50
	63	40-63	-	-	35	17.5	-	-	-	-	4	2	50
	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	Rated current of trip unit In (A)	Rated current adjustment range (A)	Standard rated power of three-phase motor (kW)					
			AC-3, 50Hz/60Hz					
			230/240V	400V	415V	440V	500V	690V
JGV2-32	0.06	0.1-0.16	-	-	-	-	-	-
	0.25	0.6-0.25	-	-	-	-	-	-
	0.4	0.25-0.4	-	-	-	-	-	-
	0.63	0.4-0.63	-	-	-	-	-	0.37
	1	0.63-1	-	-	-	0.37	0.37	0.55
	1.6	1-1.6	-	0.37	-	0.55	0.75	1.1
	2.5	1.6-2.5	0.37	0.75	0.75	1.1	1.1	1.5
	4	2.5-4	0.75	1.5	1.5	1.5	2.2	3
	6.3	4-6.3	1.1	2.2	2.2	3	3.7	4
	10	6-10	2.2	4	4	4	5.5	7.5
	14	9-14	3	5.5	5.5	7.5	7.5	9
	18	13-18	4	7.5	9	9	9	11
	23	17-23	5.5	11	11	11	11	15
	32	24-32	7.5	15	15	15	18.5	26
JGV3-80	40	25-40	-	18.5	-	-	-	30
	63	40-63	-	30	-	-	-	45
	80	56-80	-	37	-	-	-	55

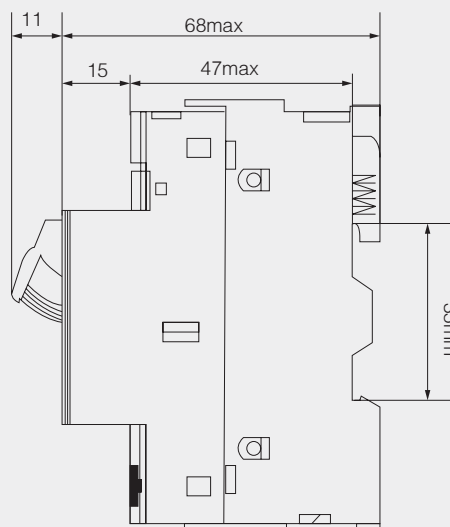
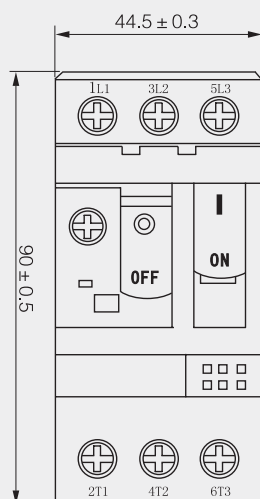
The enclosure protection level is: IP20;

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

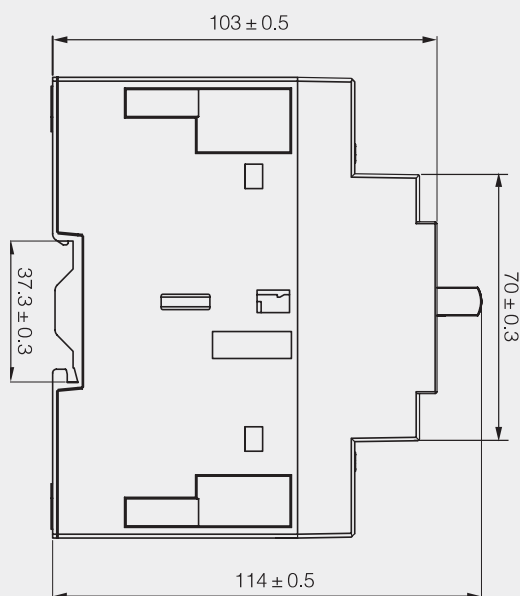
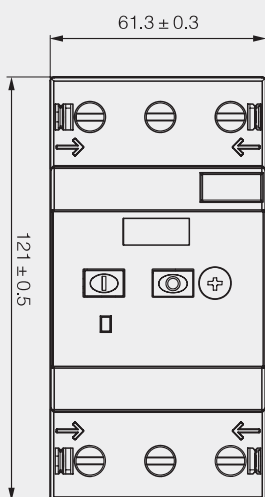
Table 3

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

## 5. Outline and Mounting Dimension



JGV2-32M



JGV3-80M

# JM1 MOULDED CASE CIRCUIT BREAKER



JM1-63M/3P



JM1-100M/3P



JM1-225M/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 conform 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)	Services short circuit breaking capacity (kA)	Operation performance	Utilization category
JM1-63L	(6),10,16,20,	3, 4	500V	400V	0	25	18	1500	8500
JM1-63M	25,32,40,50,63				0	50	35		
JM1-100L	(10),16,20,25,32,				0(≤50)	35	22		
JM1-100M	40,50,63,80,100				0(≤50)	50	35		
JM1-100H		3, 4	800V	400V	0(≤50)	85	50	1000	7000
JM1-225L	100,125,160,				≤50	35	22		
JM1-225M	180,200,225				≤50	50	35		
JM1-225H					≤50	85	50		
JM1-400L	225,250,315,	3	800V	400V	≤50	50	35	1000	4000
JM1-400M	350,400				≤100	65	42		
JM1-630L	400				≤100	50	35		
JM1-630M	500				≤100	65	42		
JM1-630H	630	3	800V	400V	≤100	100	65	1000	4000
JM1-800M	630,700,				≤100	75	50		
JM1-800H	800				≤100	100	65		
JM1-1250M	1000,1250				≤100	100	65		
JM1-1250H		3	800V	400V	≤100	125	75	1000	4000
JM1-1600M	1600				≤100	150	80		

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

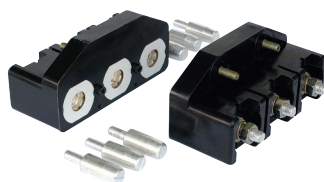
The thermodynamic release of a circuit breaker provides the feature of inverse time-delay, while the magnetic release is the instantaneous operation as shown on table 2(distribution circuit breaker) and table 3 (motor protection circuit breaker).



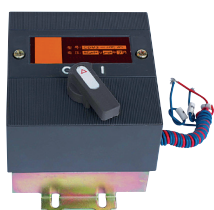
JM1-400L/3P



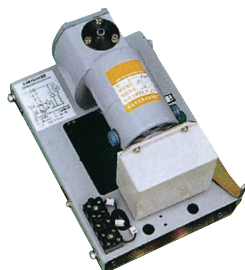
Back panel connection



Plug-in



Electromagnetic operation device



Motor-driven operation device

Table 2

Rated current of release (A)	Thermodynamic release ( ambient temperature $\begin{matrix} \text{land } +40^{\circ}\text{C} \\ \text{marine } +45^{\circ}\text{C} \end{matrix}$ )		Operating current of magnetic release (A)
$10 \leq I_n \leq 63$	$\geq 1$	$< 1$	$10I_n \pm 20\%$
$63 < I_n \leq 100$	$\geq 2$	$< 2$	$10I_n \pm 20\%$
$100 < I_n \leq 800$	$\geq 2$	$< 2$	$5I_n \pm 20\%$ $10I_n \pm 20\%$

Table 3

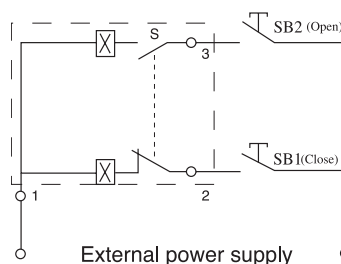
Rated current of release (A)	Thermodynamic release ( ambient temperature $\begin{matrix} \text{land } +40^{\circ}\text{C} \\ \text{marine } +45^{\circ}\text{C} \end{matrix}$ )				Operating current of magnetic release (A)
	1.0In(cold state) non-trip time(h)	1.20In(heat state) trip time (h)	1.50In(heat state) trip time (h)	7.2In(cold state) trip time(h)	
$10 \leq I_n \leq 225$	$\geq 2$	$< 2$	$\leq 4\text{min}$	$4\text{s} < T_p \leq 10\text{s}$	$12I_n \pm 20\%$
$225 < I_n \leq 630$			$\leq 8\text{min}$	$6\text{s} < T_p \leq 20\text{s}$	

## 4. Accessories of Circuit Breaker

### 4.1 The external accessories of the breaker

#### • Motor-driven operation device

1) Wiring diagram of type CDM electromagnetic operation device(fitting JM1-63,100,225) see the following drawing (wiring diagram of the external accessories of the breaker in the dotted frame)

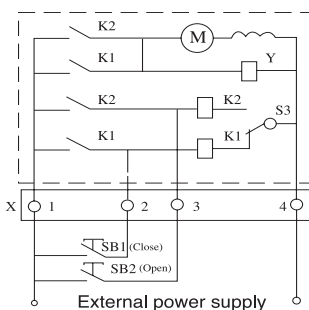


Code description: SB<sub>1</sub>SB<sub>2</sub> stand for push button.(provided by users themselves)

Number "1""2""3" stand for number of wiring terminals.

Voltage rating: AC50/60Hz 230V, 400V, DC 220V

2) Wiring diagram of type CD motor-driven operation device (fitting JM1-400,630,800) see belows (wiring diagram of the external accessories of the breaker in the dotted frame)



Code description: SB<sub>1</sub>SB<sub>2</sub> stand for push button. (provided by users themselves)

"X" stands for line connection terminals

Voltage rating: AC50/60Hz 230V,400V, DC220V



## 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		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 I△n(mA)	Non-delay type	100/300/500							
	Delay type	100/300/500							300/500/1000
Rated residual non-operatingcurrent I△no(mA)		1/2 I△n							
Operation performance (time)		1500		1000		1000		1000	
		8500		7000		4000		4000	

Note: According to the pole number of product, it classifies three and four poles. The neutral pole (N-Pole) of the four-poles products has four types:

Type A: N-pole without over-current release unit, it has been connected all the time, not closing and opening with the other three poles.

Type B: N-pole without over-current release unit, which closing and opening with the other three poles.

Type C: N-pole fixed with over-current release unit, which closing and opening with the other three poles.

Type D: N-pole fixed with over-current release unit, it has been connected all the time, not closing and opening with the other three poles.

1. The limiting breaking and arc-over distance includes horizontal and vertical installation.

2. If the three-pole breaker of this series is connected with three phase load, the load can not have neutral line, otherwise the breaker will have fault action.

3. If the three-pole breaker of this series is connected with single phase load, the phase line will be connected to the left pole, and the neutral line is connected to the right pole, the middle pole is blank.

### 3. Protection Characteristic

The thermal release of the breaker has again-time-limit property; the electromagnetic release is instantaneous. Operation, its property see table 2 (for distribution), table 3 (motor protection).

Table 2

Rated current of release (A)	Thermal release (ambient temperature +40°C )		Electromagnetic release tripping current(A)
	1.05In(cold state ) non-trip time (h)	1.03In(hot state) trip time (h)	
10≤In≤63	1	1	10In±20%
63≤In≤125	2	2	
125≤In≤630	2	2	5In±20% 10In±20%

Table 3

Rated current of release (A)	Thermal release (ambient temperature +40°C )				Electromagnetic release tripping current(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≤400	2	2	8min	6s<Tp≤20s	12In±20%

### 4. Residual Current Operating Time of Earth Leakage Circuit Breaker

4.1 Non-delay type operation characteristics see table 4 (I<sub>Δn</sub>≤30mA should be Non-delay type)

Table 4

Rated current		I <sub>Δn</sub>	2I <sub>Δn</sub>	5I <sub>Δn</sub>	10I <sub>Δn</sub>
Non-delay type	Max. breaking time(s)	0.3	0.15	0.04	0.04

Note: for I<sub>Δn</sub>≤30mA earth leakage circuit breaker, 0.25A can instead of 5I<sub>Δn</sub>. According to a, adopt 0.25A, then 10I<sub>Δn</sub> is 0.5A.

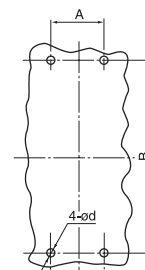
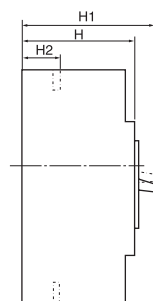
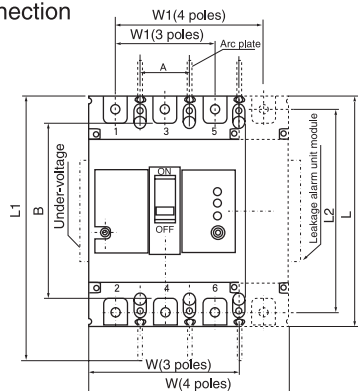
4.2 Delay type operation characteristics see table 5

Limiting non-driven time of delay type earth leakage circuit breaker according to 2I<sub>Δn</sub>, operation characteristics see table 5

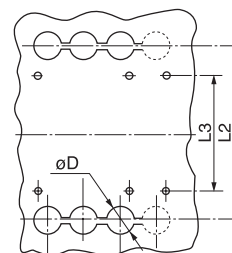
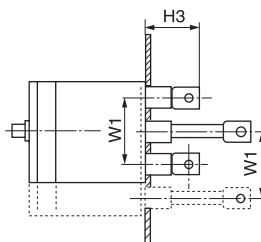
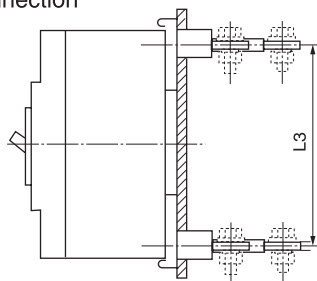
## 5. Outline and Installation Dimensions

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

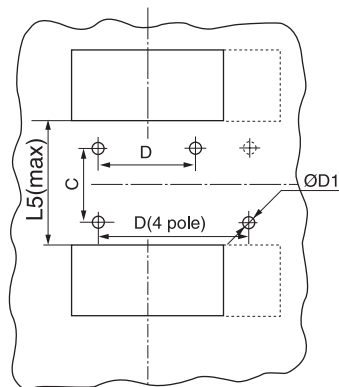
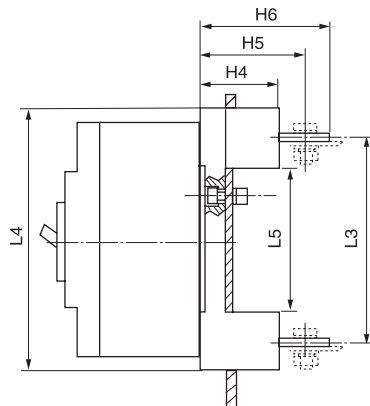
Front panel connection




Back panel connection



Plug-in connection



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

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