

IOT SMART DEVICES

» *Always for your safety*



Always for your safety



RoHS

COMPANY INTRODUCTION

Zhejiang ETEK Electrical Technology Co., Ltd. (Abbreviation: ETEK Electric) is a professional manufacturing company dedicated to the research, development, production, and sales of low-voltage electrical appliances. The company was established in 2011 and is located in Wenzhou City, Zhejiang Province. At present, the company has 40K sqm of modern manufacturing bases in Wenzhou and Wuhu with over 500 employees, including over 50 R&D and technical personnel. ETEK Electric has multiple production workshops for mold design, parts manufacturing, welding, and assembly. Additionally, they have multiple automated production lines for MCB and RCCB. Our products include MCB, RCCB, RCBO, AFDD, MCCB, ACB, EV Chargers, Photovoltaic DC products, etc., which can meet the needs of different countries and are widely used in fields such as residential, commercial, and industrial.

ETEK Electric has passed ISO9001 quality management system and environmental management system certification. The company have built our own low-voltage electrical testing center, and most of the testing items can meet the requirements of international IEC standards, in addition, our products have obtained international CB, TUV, VDE, CE, RoHS and other quality certificates.

ETEK Electric constantly masters and breaks through the core technology of circuit breakers, with more than 100 national patents. Focusing on independent brand construction is crucial for the company's development. The "ETEK" trademark is registered in over 80 countries. Products are exported to over 60 countries and regions including the European Union, South America, the Middle East, Africa, and Southeast Asia.

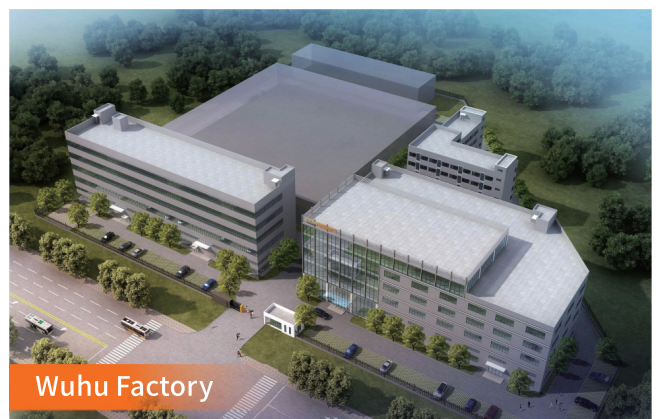
We also support OEM, ODM, OBM, SKD, CKD and other business cooperation models, and provide customers with a full range of services covering market cultivation, technical training, and factory construction.

ETEK Electric has been adhering to the business policy of "Growth", "Quality", "Efficiency", and "Innovation". In 2023, ETEK Electric has formulated the fifth 3-year strategic plan, which specifies the three major initiatives of expanding the production scale, enhancing the new energy market share, and expanding the independent brand, to realize the annual revenue target of \$50 million by 2026.

Looking forward to the future, ETEK Electric will be committed to becoming a globally renowned manufacturer in the power distribution and electrical industry, safeguarding the power safety of global customers, and helping the development of green and digital energy.



Wenzhou Factory

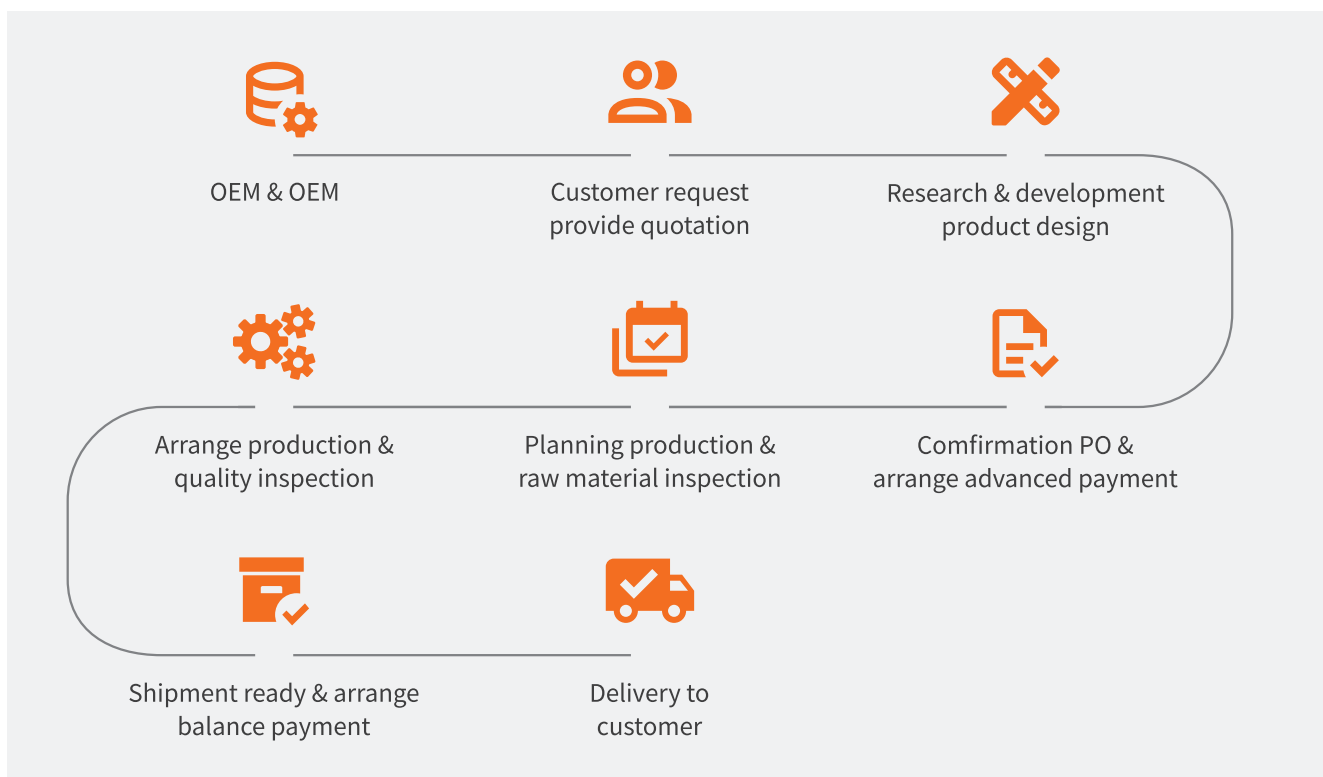


Wuhu Factory

WORKSHOPS



OEM & ODM BUSINESS



CONTENTS

Smart Circuit Breaker Overview	01
EKR3(L) Series Smart Circuit Breaker	03
EKR3S Series Smart MCB	10
EKR0 Series Smart RCBO	13
EKWF Series Controller Unit for Modular Contactor	17

SMART CIRCUIT BREAKERS

Smart circuit breaker is an electronic device that operates the circuit breaker to open or close, monitor and collect the usage status of the circuit and the load device through the remote control. The smart circuit breaker can feedback and record the information status of circuits and equipment in real time through the Internet.

It can be remotely controlled using multiple protocols, such as RS485, WiFi, etc. At the same time, collect some data in the device circuit, so that we can use the device in a more reasonable combination, so as to improve the effectiveness of power supply.

Etek Electric offer four distinct series of Smart Circuit Breakers - EKR3, EKR3L (with optional automatic reclosing), EKR3S and EKR0. Our range of products is designed to cater to the diverse needs of our customers, ensuring that they have access to the best solutions for their unique requirements.



Application

It can be widely used in power grid terminal lines, unattended mobile phone base stations, elevators, air conditioners, smart phones, smart homes, smart factories, new energy vehicle charging piles, etc.



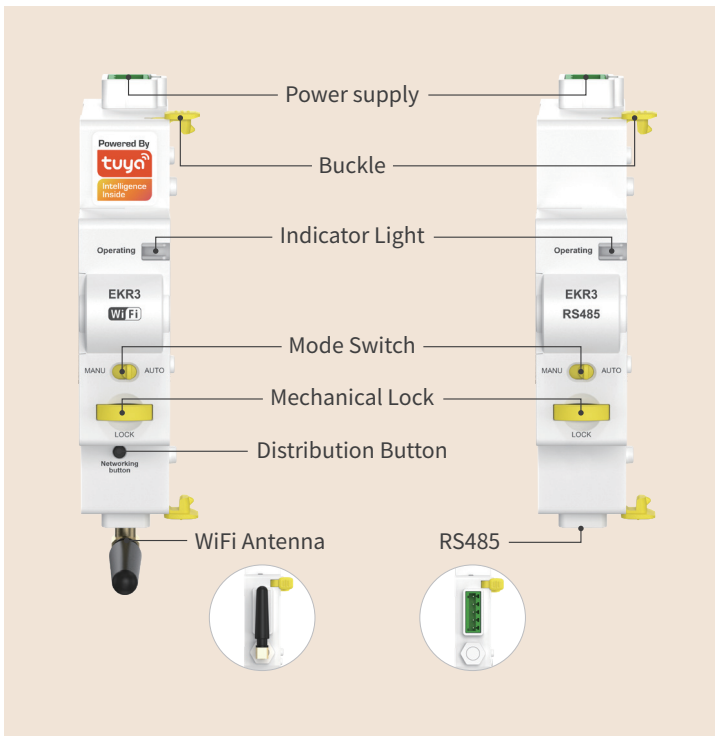
Difference between EKR0, EKR3, EKR3L, EKR3S

Model	EKR3	EKR3S	EKR3L	EKR0
Picture				
No. of poles	1P, 2P, 3P, 4P	1P, 2P, 3P, 4P	2P	2P, 4P
Rated voltage (Ue)	240/415V	240/415V	230/240V	240/415V
Rated currents (In)	6-63A	63-100A	6-63A	6-63A
Rated breaking capacity	6000A	6000A	6000A	6000A
Rated sensitivity currents (IΔn)	-	-	30, 100, 300mA	30, 100, 300mA
Remote control	●	●	●	●
Padlocker	●	●	●	●
Timed task	●	●	●	●
Automatic reclosing	○	/	○	/
Power metering	/	○	/	●
Fault feedback	/	●	/	●
Overvoltage protection	○	●	○	●
Undervoltage protection	○	●	○	●
Overcurrent protection	●	●	●	●
Overload protection	●	●	●	●
Leakage protection	/	/	●	●
Leakage detection	/	/	/	○
Over temperature protection	/	○	/	●
Short circuit protection	●	●	●	●
Data collection	/	●	/	●
Power limit	/	●	/	●
Fault record	/	●	/	●

Note: ● Standard ○ Optional / None



Overview



EKR3 series smart circuit breaker is the latest product developed by ETEK Electric. It contains smart MCB and smart RCBO. Remote distribution of circuit breaker equipment can be realized through Tuya APP, or a platform connected to RS485. Closing and timing switch to obtain the switching status of the equipment. At the same time, this series smart circuit breaker can provide automatic reclosing function. When a temporary failure occurs in the power system, the product will automatically reclose after tripping to improve the reliability of the circuit power supply.



Description of Automatic, Manual Mode Switches and Mechanical Locks



Allow remote control (Tuya APP, RS485).



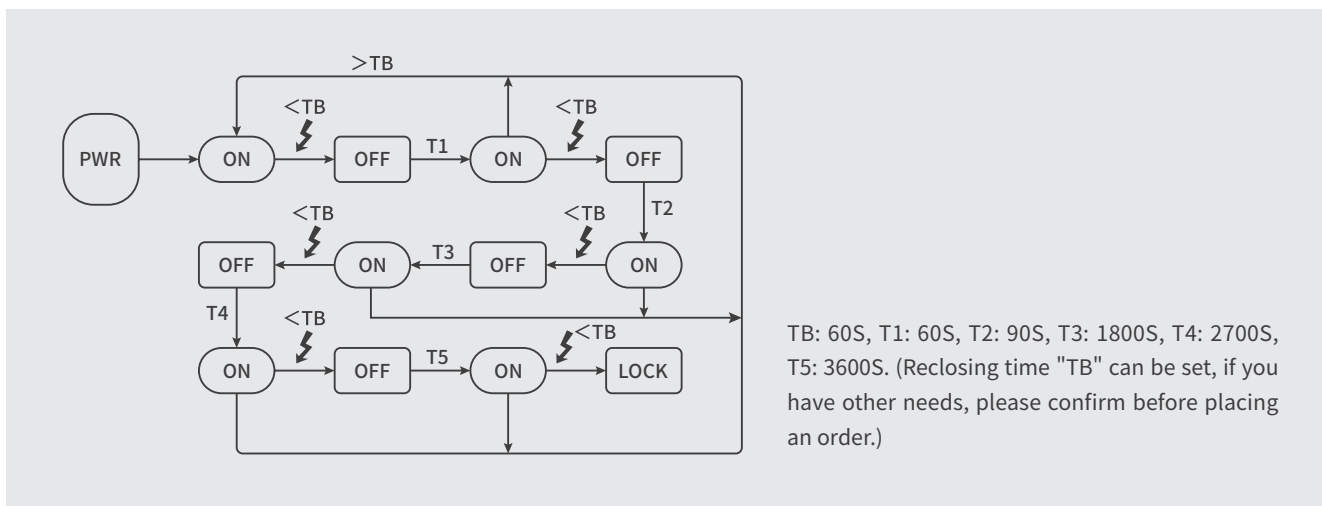
Remote operation is prohibited.



When the mechanical lock is pulled out, the device will enter the locked state, and the device will not be closed. Press the mechanical lock to restore it.

Indicator Light Description	
Green light is always on	Connect to cloud server
Green light flashes for 100ms	Mechanism failure
Green light flashes on for 100ms and off for 900ms	Manual, Padlock mode
Green light flashes for 500ms	Configuration network
Green light flashes for 5000ms	Connect to router
Green light flashing 100ms off 900ms on	Within the time TB
Green light flashing 1700ms off 100ms on 100ms off 100ms on	Automatic reclose waiting time T (T2, T3)

Reclosing Function Diagram for EKR3-RS485



When the circuit breaker is opened by an unknown fault (manual opening, short-circuit tripping, leakage tripping, overload tripping), it will automatically reclose, a total of 5 reclosing sequences, and each reclosing sequence time interval (T1, T2, T3, T4, T5). After successful reclosing, if a trip occurs again within the stable time TB, it will enter the next reclosing sequence, otherwise, if no trip occurs within TB, the reclosing sequence will be cleared. If the circuit breaker fails to reclose after 5 times of reclosing, manual closing or remote control closing is required to clear the fault.

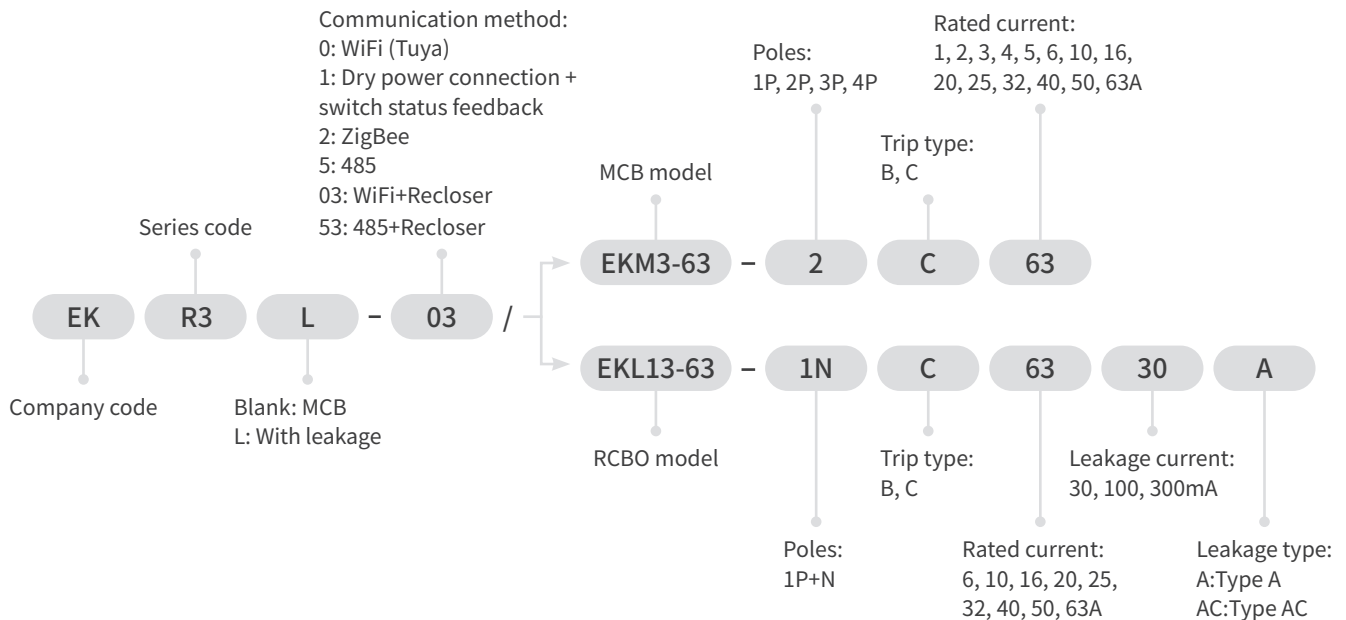
Indicator Light Description	
Red light is always on	Auto Mode Trip
Red light flashes for 100ms	Auto Mode - Motor Reset Failed or Cycle Close Failed
Red light flashes for 500ms	Auto mode overvoltage and undervoltage trip
Green light is always on	Auto mode closing, remote opening, signal opening
Green light flashes for 100ms	Automatic reclose waiting time
Yellow light is always on	Manual mode opening, closing

EKR3(L) Series

Smart Circuit Breaker

ETEK®

Instruction of Type code



Technical Parameter

Model	EKR3(L)-WiFi	EKR3(L)-RS485
Communication method	WiFi, ZigBee	RS485
Supply terminals	L-N	
Rated voltage (Ue)	AC 230V	
Power consumption	AC max.1VA (standby), max.20VA (action)	
Supply voltage tolerance	±10%	
Status Indicator	Green LED	Red, green and yellow tri-color LED
Trip time	≤ 1s	
Reclosing times	3 times (customizable)	5 times
Reclosing time	First time: 10 seconds; Second time: 60 seconds; Third time: 300 seconds; Customizable, cannot be changed after initial setup	First time: 60 seconds; Second time: 90 seconds; The third time: 1800 seconds; Fourth time: 2700 seconds; Fifth time: 3600 seconds; Adjustable time setting range: 60-3600 seconds.
Reset reclosing times	No more tripping or manual reset within 15 minutes after successful closing	No tripping or manual reset within 60 seconds after successful closing, Adjustable time setting range: 5-600 seconds.
Mechanical life	10000 Cycles	
Electrical life	4000 Cycles	
Ambient temperature	-20°C to +55°C (-4 °F to 131 °F)	
Storage temperature	-35°C to +75°C (-22 °F to 158 °F)	
Installation	Mounting on 35mm DIN rail	
Pollution degree	IP20	
Supply terminal size for cable	Max. 2.5mm ²	
Dimensions	91×18×61mm	
Compatible Device	MCB (EKM3-63), RCBO (EKL3-63, EKL13-63), from ETEK (More compatible devices are in development)	

Fault Description

1. The Device Cannot be Closed Remotely?

Check whether the remote lock is turned on in the APP.

Check whether manual opening has been carried out First, manually close and then operate on the APP to check if it can be closed and opened.

Whether the mechanical padlock is pulled out or not.

2. 485 Device cannot communicate, send opening/closing command, no action?

Please ensure that the device is in normal operation, and then check whether A and B of the RS485 line are reversed, whether the communication baud rate is set correctly, and whether there is any abnormality in the communication connection.

3. Operation Without Feedback?

Check whether the product terminals have been tightened.

Check the APP settings, notification type and whether the message notification is enabled.

4. After Power On, The Indicator Light Does Not Light Up?

Check whether the power interface is reversed, whether the switching power supply output has power or not.

5. LED light status description (Without reclosing)

WiFi, ZIGBEE	
Green light is always on	Connect to cloud server
Green light flashes for 100ms	Mechanism failure
Green light flashes for 100ms	Padlock mode
Green light flashes for 500ms	Configuration network
Green light flashes for 5000ms	Connect to router
RS485, Dry contact	
Red light is always on	Auto Mode Trip
Red light flashes for 100ms	Auto Mode - Motor Reset Failed or Cycle Close Failed
Red light flashes for 500ms	Auto mode overvoltage and undervoltage trip
Green light is always on	Auto mode closing, remote opening, signal opening
Green light flashes for 100ms	Automatic reclose waiting time
Yellow light is always on	Manual mode opening, closing

EKR3(L) Series

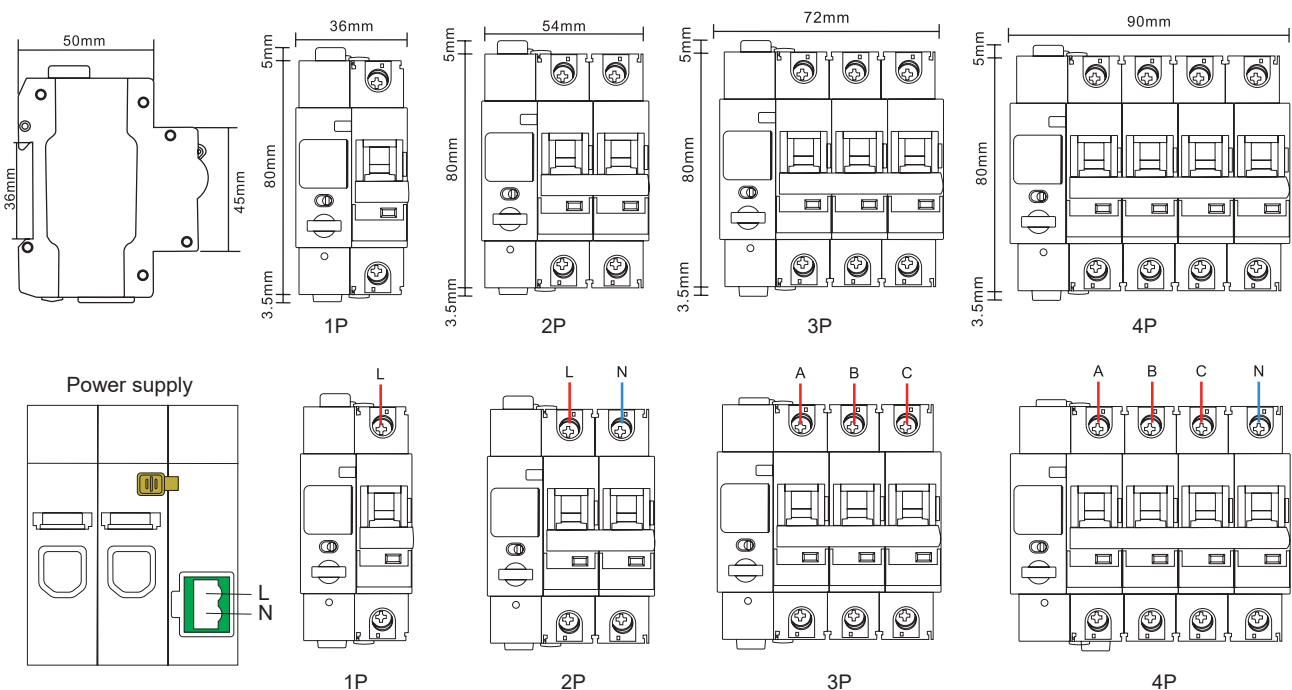
Smart Circuit Breaker

ETEK®

EKR3 Smart MCB Technical Parameters

Standard	IEC/EN60898-1	IEC/EN60947-2
Protection	Overcurrent and short circuit	
Type of trip	Thermo-magnetic	
No. of poles	1P,2P,3P,4P	
Rated currents (In)	1,2,3,4,5,6,10,16,20,25,32,40,50,63A	
Rated voltage (Ue)	240/415V~	
Rated frequency	50/60Hz	
Rated breaking capacity	6,000A	
Energy Limiting Class	3	
Rated impulse withstand voltage(1.5/50) Uimp	6,000V	
Dielectric test voltage at Ind. Freq.for 1 min	2kV	
Thermal release characteristic	(1.13-1.45) x In	(1.05-1.30) x In
Magnetic release characteristic	B: (3-5) x In, C: (5-10) x In	(8-12) x In
Electrical life	8,000 Cycles	
Mechanical life	20,000 Cycles	
Contact position indicator	Yes	
Protection degree	IP20	
Ambient temperature	-5°C to +40°C Max.95%humidity	
Terminal connection type	Cable/Pin-type busbar	
Max.terminal size for cable	25mm ²	
Max.tightening torque	2.5N.m	
Installation	Mounting on 35mm DIN rail	
Connection	From top and bottom	

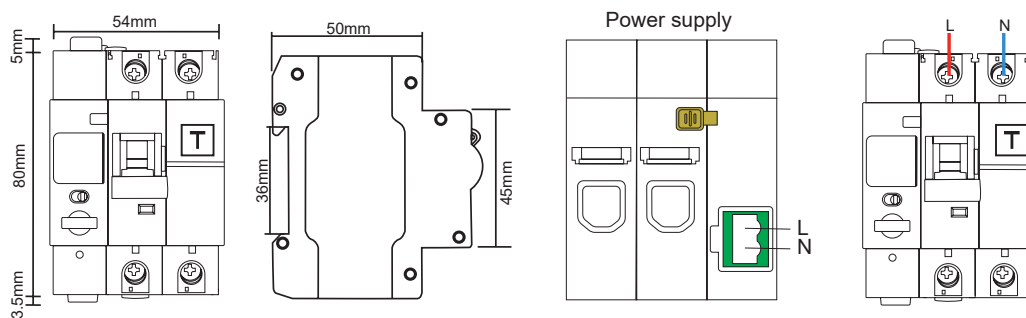
EKR3 Smart MCB Product Size and Wiring Method



EKR3L Smart RCBO Technical Parameters

Standard	IEC/EN61009-1
Protection	Ground fault, Overcurrent and short circuit, Over-voltage(selectable)
Type of trip	Ground fault: Electronic Overload and short circuit: Thermo-magnetic
Type of protection (electric leakage)	AC,A
No.of poles	1P+N 2module, N line with disconnected
Rated currents (In)	6,10,16,20,25,32,40,50,63A
Rated sensitivity currents IΔn	10,30,100,300mA
Residual current off-time under IΔn	≤ 0.1s
Rated residual making and breaking capacity (IΔm)	500A (In ≤ 50A), 10In (In>50A)
Rated voltage (Ue)	230/240V~
Rated frequency	50/60Hz
Rated breaking capacity	6,000A
Energy Limiting Class	3
Rated impulse withstand voltage(1.5/50) Uimp	4,000V
Dielectric test voltage at Ind. Freq.for 1 min	2kV
Thermal release characteristic	(1.13-1.45) x In
Magnetic release characteristic	B: (3-5) x In, C: (5-10) x In
Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	Yes
Ground fault indicator	Yes
Protection degree	IP20
Ambient temperature	-25°C to +40°C , Max.95% humidity
Terminal connection type	Cable/Pin-type busbar/Fork-type busbar
Max.terminal size for cable	25mm ²
Max.tightening torque	2.5N.m
Installation	Mounting on 35mm DIN rail
Connection	From top and bottom

EKR3L Smart RCBO Product Size and Wiring Method



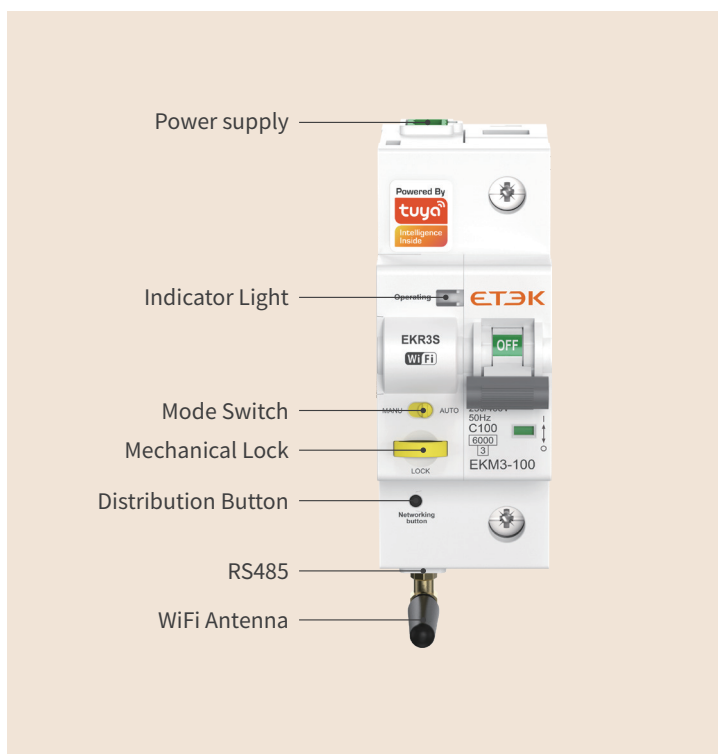
EKR3S Series

Smart MCB

ETEK®



Overview



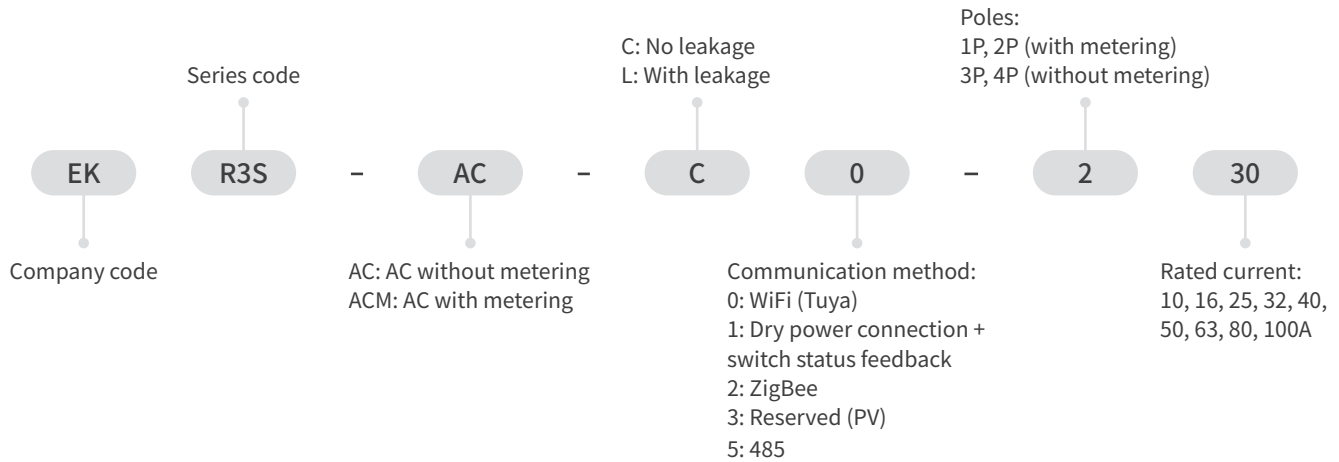
EKR3S smart circuit breaker, using electronic technology to control the normal operation of traditional circuit breakers, can monitor equipment status information in real time, including voltage, current, temperature, power, power consumption and various fault states (overvoltage, undervoltage, overload, overtemperature, etc.) Information, etc. can be reported to the client, and the protection threshold can also be set by itself. This product is an independent integrated equipment device, you can view some information of the device and set related parameters, and the operation is more humanized. After the product is connected to the Internet, it can display product information, remote control, timing, etc. on the Tuya APP.



Features

- It can realize remote control and closing through Tuya APP, and can also be controlled regularly.
- The single-phase smart circuit breaker can monitor power parameters and power parameters in real time.
- Mechanical padlock, after being pulled out during maintenance, cannot be closed locally and remotely to ensure the safety of maintenance operations.
- With overcurrent and overload protection functions, the protection threshold can be set.
- It has the function of over-under-voltage and over-temperature protection, at the same time, you can set the alarm reminder through the Tuya APP.

Instruction of Type code



Technical Parameter

Poles	1P, 2P	3P, 4P
Rated current	10, 16, 25, 32, 40, 50, 63, 80, 100A	
Rated operating voltage and frequency	220/230VAC 50Hz	380/400VAC 50Hz
Breaking ability	6kA	
Trip type	C type, D type	
Standby power	<3W	
Trip time	≤ 0.1S	
Short circuit time	≤ 0.04S	
Control mode	Manual and automatic	
Communication method	WiFi, ZIGBEE, 485	
Installation site requirements	The altitude does not exceed 3000m	
Temperature requirements	-25°C to +70°C	

Voltage, Current, Temperature Settings

Number	Protection type	Initial state	Initial value		Setting range		Recovery value	
1	Overvoltage	Disabled	60S	280V	5-600S	100-450V	60S	275V
2	Undervoltage	Disabled	60S	115V	5-600S	5-400V	60S	120V
3	Overcurrent	Disabled	5S	100A	5-600S	0.01-120A	/	/
4	Over power	Disabled	5S	22kW	5-600S	0.01-50kW	/	/
5	Phase loss	Disabled	60S	2V	5-600S	100V	60S	> 2V
6	Voltage imbalance	Disabled	60S	2%	5-600S	1-10%	60S	< 2%
7	Overtemperature	Disabled	30S	80°C	5-600S	90-85°C	30S	< 80°C

EKR3S Series

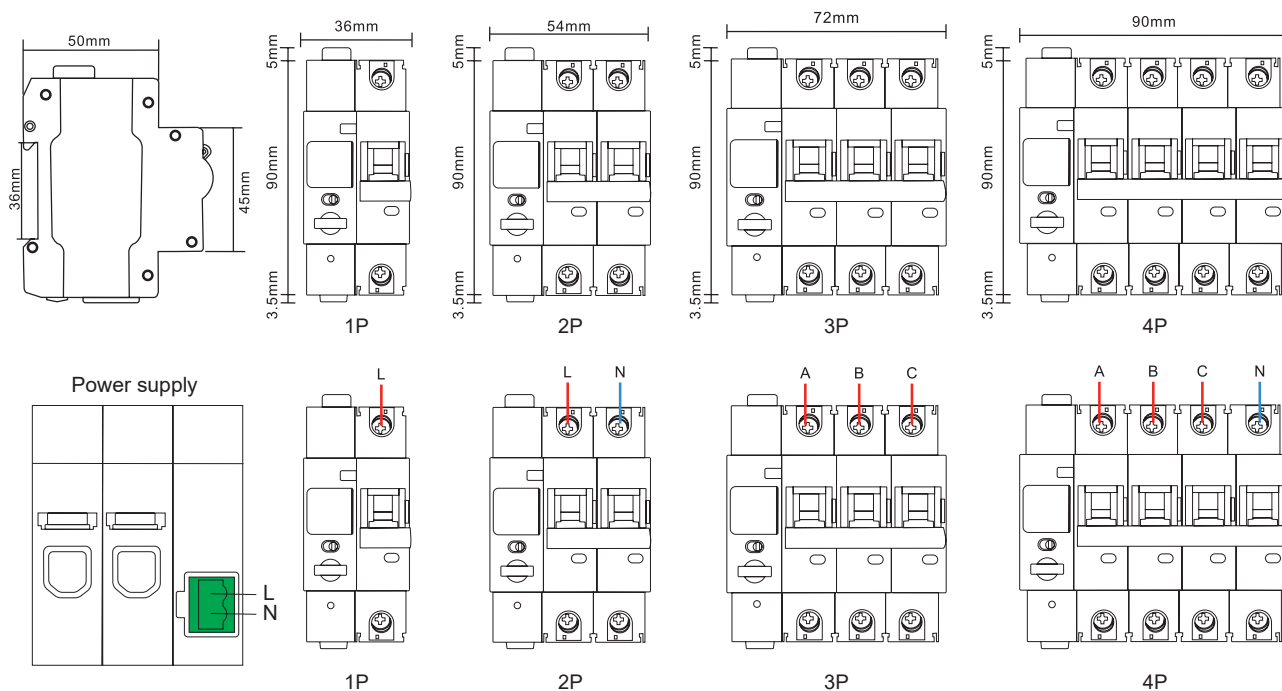
Smart MCB

ETEK®

LED Light Status Description

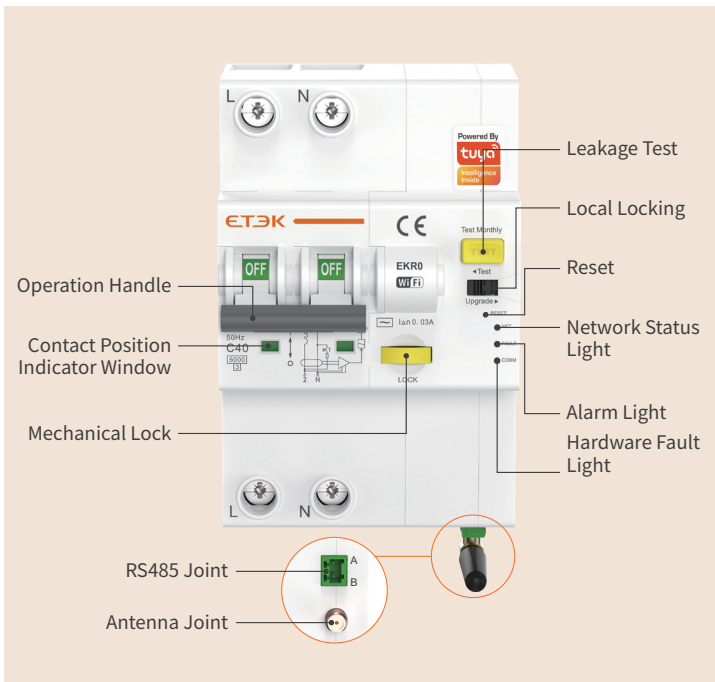
Red light is always on	Automatic mode, tripping, manual opening
Red light flashes for 100ms	Mechanical lock, command lock
Red light flashes for 500ms	Over-voltage, over-temperature, over-current, overload
Red light flashes for 1000ms	The automatic cycle closing fails, and the automatic closing fails
Green light is always on	automatic mode: manual closing, command closing, automatic closing, signal closing, timing closing, Remote opening, signal opening, timing opening
Green light flashes for 100ms	Network configuration status (priority display)
Green light flashes for 500ms	WiFi connected to the router
Green light flashes for 1000ms	Automatic coincidence, stable
Red and green light flashing alternately for 100ms	Mechanism failure
Red and green light flashing alternately for 1000ms	Boot upgrade mode or OTA upgrade
Yellow light is always on	Manual mode
Light flashes for 100ms off 1900ms on	The light of the continuous display of successful networking is switched to this mode, regardless of the red light, green light, orange light, fault status priority display fault indication

Product Size and Wiring Method





Overview



The EKRO series smart residual current operated circuit breaker (RCBO) is suitable for indoor, AC 50Hz, rated voltage 230V/400V, rated current not exceeding 63A, industrial, commercial, civil buildings, and infrastructure low-voltage terminal distribution systems in buildings and similar places. It can also be used for infrequent on-off operations. This product integrates information collection and remote intelligent control. In addition to the overload, short circuit, and leakage protection functions of traditional leakage circuit breakers, the product also has functions such as remote control (Tuya App, RS485), electrical parameter measurement, overvoltage/undervoltage self recovery, and fault alarm.

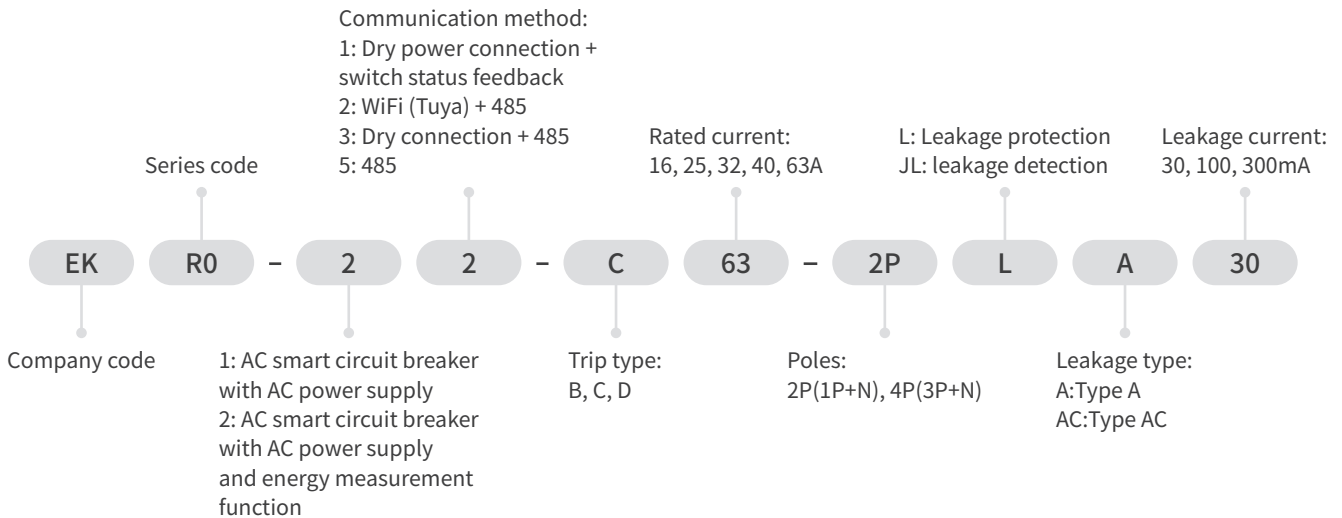
Features

- **Automatic protection:** It automatically completes the self check of leakage protection function at a fixed time, and has a self resetting overvoltage, undervoltage protection. It is equipped with automatic inspection, and when faults are eliminated, it will automatically recover without affecting normal power supply.
- **Autonomous setting:** Automatically limit power usage based on wire diameter selection under rated value, independently set distribution parameters (such as current, power, temperature, etc.), and remotely set electricity protection warning values.
- **Fault prompt function:** Intelligent monitoring of equipment operation status, timely protection of equipment and reminder to users in case of equipment abnormalities.
- **Networking module function:** Built-in networking modules (including WiFi, etc.) are used to display device status, fault information, electricity consumption statistics, etc. on the APP through networking transmission, and can be remotely controlled.
- **Multiple working modes:** with manual/automatic selection switch and mechanical locking function.
- **Easy to install:** Adopting a modular design scheme for small circuit breakers, it can be installed on a standard 35mm guide rail, and RS485 communication uses fast plug terminal wiring.

EKRO Series Smart RCBO

Residual Current Operated Circuit Breaker

Instruction of Type code



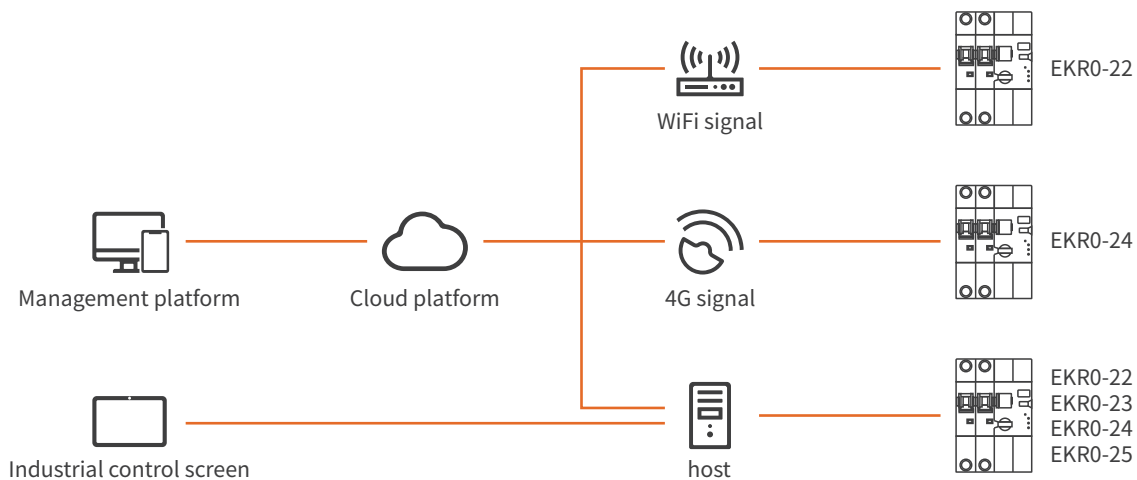
Technical Parameter

Communication method	WiFi, RS485
RS485 interface baud	2400, 4800, 9600 (Default value)
Power limit	Open circuit after exceeding the limit power for 5S (default value: 22kW)
Pilot lamp	Three green LEDs
Settable parameters	Leakage detection, Overvoltage and undervoltage protection, Rated current, Voltage, power, Temperature, etc
Power consumption	< 2W
Accuracy	Voltage and current accuracy 1%, electrical energy accuracy 2%
Type of protection (electric leakage)	AC,A
Poles	1P+N, 3P+N
Rated current	16, 25, 32, 40, 63A
Rated voltage	1P+N: 230/240V, 3P+N: 400/415V
Rated frequency	50/60Hz
Rated breaking capacity	6000A
Rated sensitivity currents IΔn	30, 100, 300mA
Residual current off-time under IΔn	≤ 0.1s
Rated residual making and breaking capacity IΔm	500A (In ≤ 50A), 10In (In > 50A)
Rated impulse with standard voltage (1.5/50) Uimp	4kV
Thermal release characteristic	(1.13-1.45) × In
Magnetic release characteristic	B: (3-5) × In, C: (5-10) × In, D: (10-20) × In
Mechanical life	4000 Cycles
Electrical life	10000 Cycles
Operating temperature	-25°C to +40°C
Terminal connection type	Cable/Pin-type busbar
Max. terminal size for cable	Max. 25mm ²
Max. tightening torque	Max. 2.5N.m
Installation method	Mounting on 35mm DIN rail
Connection	From Top

Voltage, Current, Temperature Settings

Number	Protection type	Initial state	Initial value		Setting range		Recovery value	
1	Overvoltage	Disabled	60S	280V	5-600S	100-450V	60S	275V
2	Undervoltage	Disabled	60S	115V	5-600S	5-400V	60S	120V
3	Overcurrent	Disabled	5S	100A	5-600S	0.01-120A	/	/
4	Over power	Disabled	5S	22kW	5-600S	0.01-50kW	/	/
5	Phase loss	Disabled	60S	2V	5-600S	100V	60S	> 2V
6	Voltage imbalance	Disabled	60S	2%	5-600S	1-10%	60S	< 2%
7	Overtemperature	Disabled	30S	80°C	5-600S	90-85°C	30S	< 80°C

Application Example



Common Problems

1. Device network distribution failure

If the device is not bound within ten minutes after installation and power on, it needs to be powered off and restarted before binding. If the device needs to reconfigure the network, briefly press the Reset button to clear the previous binding status.

2. Green light keeps flashing after installed

Check if the toggle switch is at the right end upgrade position and should be turned to the left end operation position.

3. The device cannot be remotely closed

Check whether the switch is manually opened. After manually closing it, operate it through the Tuya app or platform with RS485 connection to see if it can be opened.

Check if the mechanical padlock is pulled out.

4. 485 device unable to communicate, sending open/close command, no action

Please ensure that the equipment is in normal operation, and then check whether the A and B of RS485 cable are connected reversely, whether the communication Baud is set correctly, and whether the communication connection is abnormal.

EKRO Series Smart RCBO

Residual Current Operated Circuit Breaker

5. No feedback on operation

Check if the product wiring terminals have been tightened

Check the APP settings, notification type, and whether message notifications are allowed to be turned on

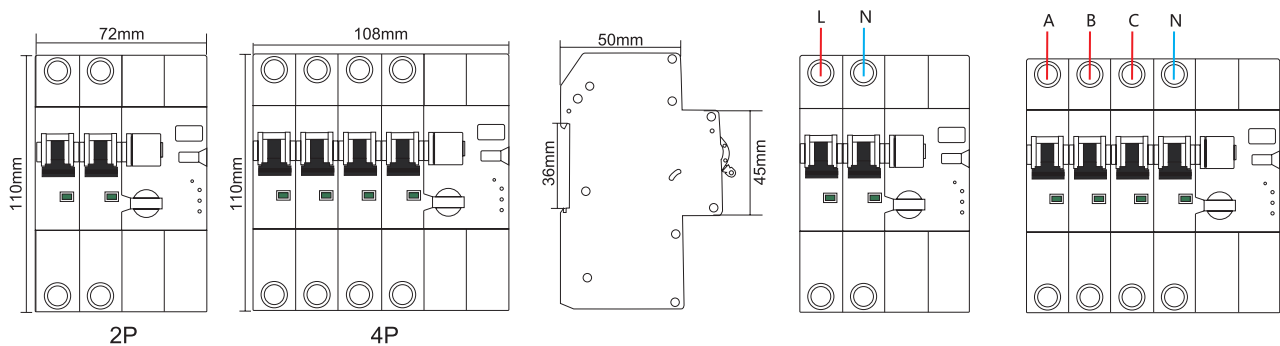
6. After power on, the indicator light does not light up

Check if the power interface is reversed and if the switch power output has power.

7. LED light status description

Operating handle	Manually move the circuit breaker up and down to control the opening and closing of the circuit breaker, with upward indicating the closing and downward indicating the opening	
Contact position indication window	Red represents closing, green represents opening	
Network status light	Flashing 300ms off, 300ms on	Connected to the network
	Flashing 300ms off, 300ms on	Remote upgrade
	Flashing 100ms off, 1900ms on	Connection to the server successful
Alarm light	100ms on, 400ms off	Mechanism locked
	100ms on, 900ms off	Manual opening
	Extinguish	No alarm
	500ms flashing	With alarm
Hardware fault light	Solid light	Press the key to reboot into boot
	Extinguish	Trouble-free
	100ms on, 400ms off	Mechanism failure
	100ms on, 100ms off	Metering fault

Product Size and Wiring Method

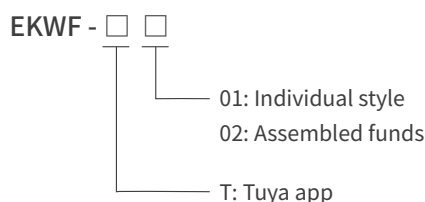


Applicable Scope

EKWF WiFi smart switch controller cooperate with the corresponding APP to realize the following functions:

- Support smart configuration for fast networking.
- Support multiple control types: switch, timer switch, cycle control, etc.
- Support WLAN local control and remote control.
- Access to mainstream voice-activated assistants such as Tmall Genie, DuerOS, Xiao Ai, Alexa, Google, etc, Voice-activated smart device sharing and cloud account device sharing function.
- APP support Android and iOS systems.
- Application: Home control system, Building automation, Industrial control system, Medical and electrical equipment.

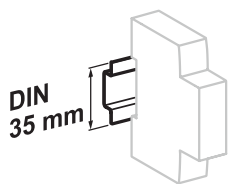
Modular Contactor



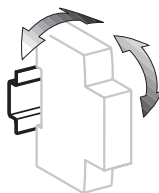
(Example: EKWF-T02, Tuya, assembled)

Technical Data

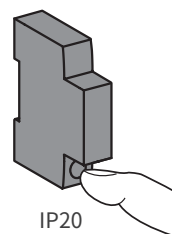
WiFi Standard	2.4GHz B/G/N
Working Mode	STA/AP/STA+AP
Certification Standards	IEC/EN 60947-1, IEC/EN 60947-4-1, IEC/EN 60947-5-1
Certificate	CE
Enclosure protection degree	IP20
Ambient temperature	Operation temperature limits: -35°C ~+70°C . Normal operation temperature range: -5°C ~+40°C . The 24-hour average temperature should not exceed +35°C . For use beyond the normal operation temperature range.
Altitude	Not exceeding 2000 m above sea level
Atmospheric conditions	The relative humidity should not exceed 50% at the upper temperature limit of +70°C . A higher relative humidity is allowed at a lower temperature, e.g. 90% at +20°C . Special precautions should be taken against occasional condensation due to humidity variations.
Installation conditions	The angle between the installation surface and the vertical surface should not exceed ±5° .



Clip on DIN rail 35 mm



±30° vertical



IP20

EKWF Series

WiFi Smart Switch Controller for Modular Contactor

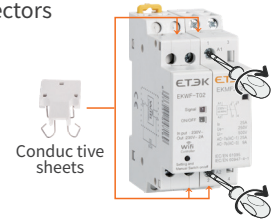


Installation



1. First, we need to use the hook at the lower right side of the WiFi controller.



2. Then we install conductive connectors at NO(A1) and N (A2).




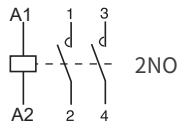
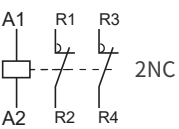
User Guide


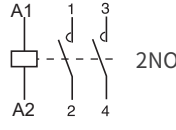
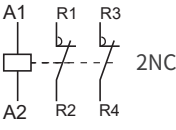

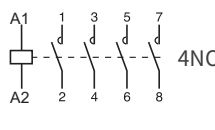
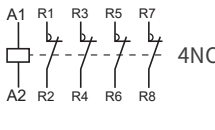

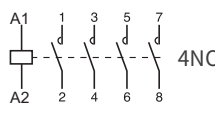
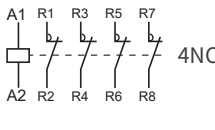

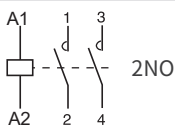
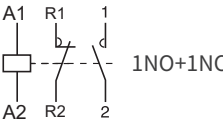
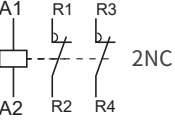
- 1   → 2 Allow all permissions during installation. → 3 Register an account and login.
- Search for "Tuya" or scan this QR code to download and install Tuya APP.
- 6 Select "Quick Mode (Touch)", the next step. ← 5 Click the Add button on the Tuya Smart APP. ← 4 Add device: Press and hold the black button for about 7 seconds until the WiFi indicator flashes quickly. (flashes twice for one second)
- 7 Enter the WiFi password that the phone is currently connected to. → 8 Name the device and complete adding. → 9 When the WiFi indicator light of the device is always on, remote control can be performed.

Scope of Application

EKWF series WiFi intelligent switch controller, the shell is made of PC flame retardant material, which is safer to use; The maximum load of 230v/2a can be extended to 125A through the contactor, using standard WiFi: 2.4GHz b/g/n.

Automatic Type Product Selection Form

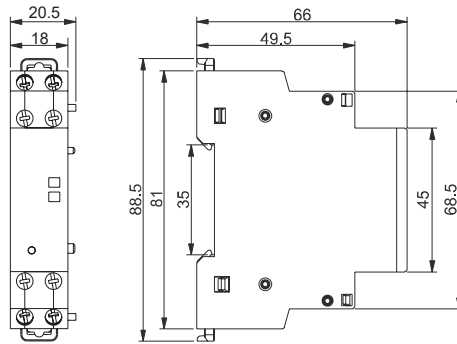
Modules	Contactor Model	Rated Current		Coil voltage VAC	Circuit Diagram
		AC-1, AC-7a	AC-3, AC-7b		
 <p>1P, 1 Modules</p>	EKWF+EKMF1620	16A	6A	24 110 230	
	EKWF+EKMF2020	20A	7A		
	EKWF+EKMF2520	25A	9A		
	EKWF+EKMF1602	16A	6A		
	EKWF+EKMF2002	20A	7A		
	EKWF+EKMF2502	25A	9A		

Modules	Contactor Model	Rated Current		Coil voltage VAC	Circuit Diagram
		AC-1, AC-7a	AC-3, AC-7b		
 <p>1P, 1 Modules</p>	EKWF+EKMF3220	32A	12A	24 110 230	 <p>2NO</p>
	EKWF+EKMF4020	40A	18A		
	EKWF+EKMF6320	63A	25A		
	EKWF+EKMF3202	32A	12A		 <p>2NC</p>
	EKWF+EKMF4002	40A	18A		
	EKWF+EKMF6302	63A	25A		
 <p>1P, 1 Modules</p>	EKWF+EKMF1640	16A	6A	24 110 230 380	 <p>4NO</p>
	EKWF+EKMF2040	20A	7A		
	EKWF+EKMF2540	25A	9A		
	EKWF+EKMF1604	16A	6A		 <p>4NC</p>
	EKWF+EKMF2004	20A	7A		
	EKWF+EKMF2504	25A	9A		
 <p>1P, 1 Modules</p>	EKWF+EKMF3240	32A	12A	24 110 230 380	 <p>4NO</p>
	EKWF+EKMF4040	40A	18A		
	EKWF+EKMF6340	63A	25A		
	EKWF+EKMF3204	32A	12A		 <p>4NC</p>
	EKWF+EKMF4004	40A	18A		
	EKWF+EKMF6304	63A	25A		
 <p>1P, 1 Modules</p>	EKWF+EKMF8020	80A	32A	24 110 230	 <p>2NO</p>
	EKWF+EKMF10020	100A	40A		
	EKWF+EKMF12520	125A	50A		
	EKWF+EKMF8011	80A	32A		 <p>1NO+1NC</p>
	EKWF+EKMF10011	100A	40A		
	EKWF+EKMF12511	125A	50A		
	EKWF+EKMF8002	80A	32A		 <p>2NC</p>
	EKWF+EKMF10002	100A	40A		
EKWF+EKMF12502	125A	50A			

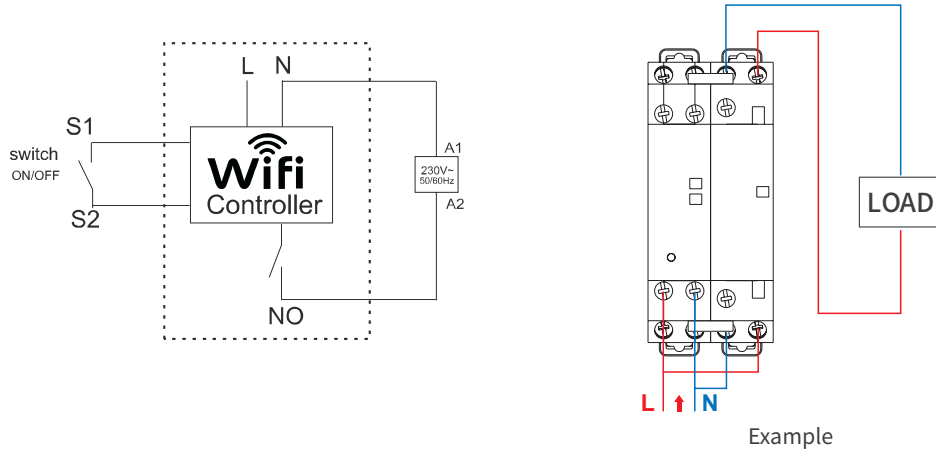
EKWF Series


WiFi Smart Switch Controller for Modular Contactor

Overall and Installation Dimension (mm)



Connection Diagram



 The product data referred to in the company shall be subject to material object. Subject to change without notice.
The company has the final right to interpret.

 Green paper printing.

Tel-
0086-577-62780116

Fax-
0086-577-62774090

Email-
info@etek-china.com

No. 288 Wei 17th Road,
Economic Development Zone,
Yueqing City Zhejiang China.

ETEK[®]
E TEK ELECTRIC

ZHEJIANG ETEK
ELECTRICAL TECHNOLOGY CO.,LTD.

