



zigbee

RS485

Modbus

TCP

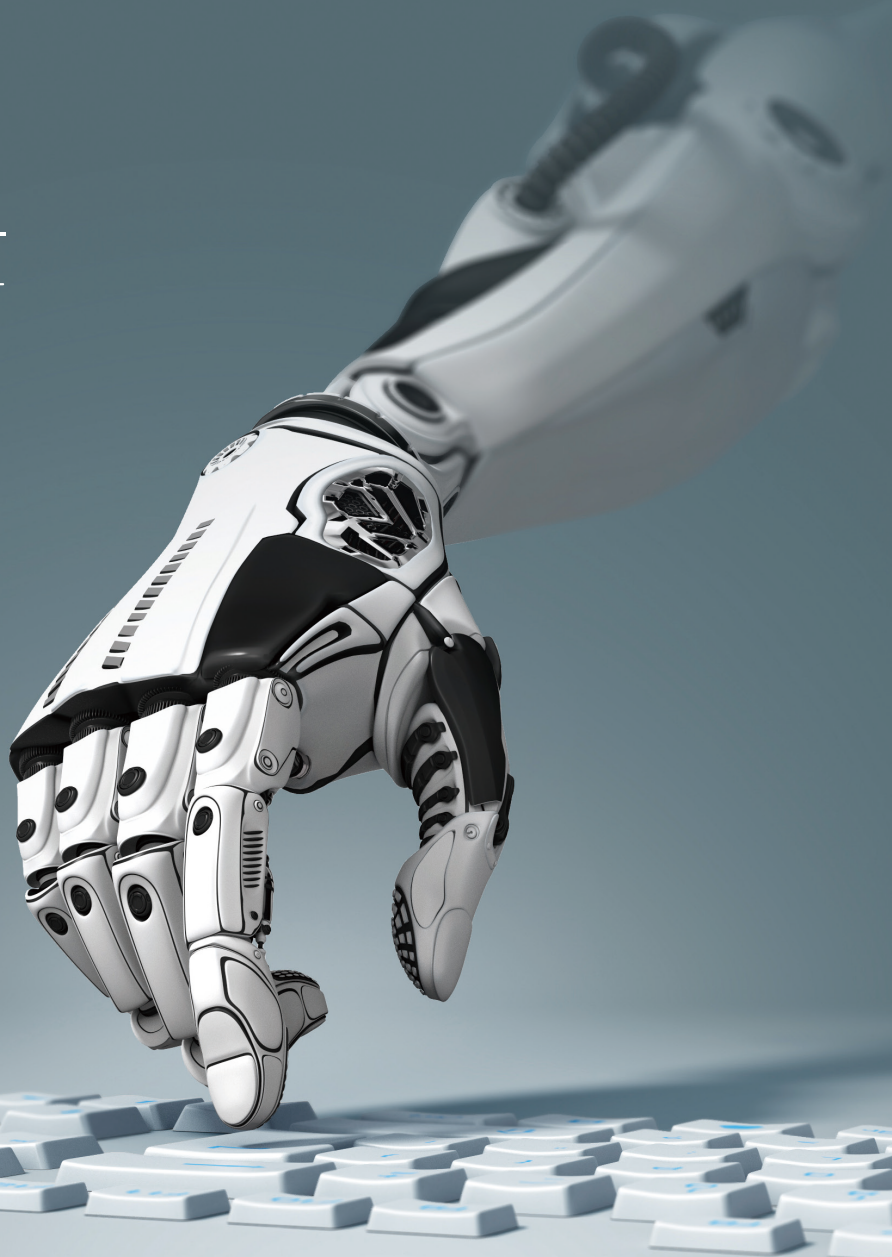
2023

SI CHUANG

SELECTION MANUAL OF CIRCUIT BREAKER FOR IOT

Zhejiang Sichuang power technology co.,ltd

► ► ► www.wifimcb.com



WIFIMCB®



COMPANY INTRODUCTION

Zhejiang Siciang Electric Power Technology Co., LTD., founded in 1998, focuses on providing safe, intelligent, efficient and convenient power distribution integration services. With leading technology, it opens the digital era of power distribution system and makes power supply more reliable, more efficient and more convenient.

The company won the national first "Internet of things circuit breaker", "Internet of Things leakage circuit breaker" certification, the company for Zhejiang manufacturing T/ZZB0811 "electricity meter external circuit breaker" standard involved in the drafting unit. The company was awarded as "Zhejiang Provincial science and technology smes" by the Department of Science and Technology of Zhejiang Province and obtained more than 50 patents.



Team concept
Absorbed

unity and efficiency, pioneering and enterprising



Production concept
Absorbed

users are in my heart, quality is in my hands



Marketing concept
Absorbed

improve product value and ensure market continuity



Service concept
Absorbed

due diligence, go all out



Business concept
Absorbed

guide consumer trends with novel products



Product concept
Absorbed

win the market with quality, enhance brand value with quality

The company has passed ISO9001 quality system certification, ISO14001 environmental system certification and OHSAS18001 occupational health and safety management system certification. Sichuang technology launched WIFI circuit breaker, GPRS circuit breaker, RS485 circuit breaker, 4G circuit breaker, Zigbee circuit breaker and other IoT products with small volume, modular, long life, intelligent and other features, real-time control of current, voltage, power accurate display. Let the current change, the voltage fluctuate, load power consumption is more obvious. And equipped with electricity statistics function, support charging amount setting, quick query of historical data, control of electricity consumption state. Strong leakage protection function, fast tripping action, with impeccable protection mechanism, bring peace of mind protection. And through sharing, timing and other functions, to achieve the distribution of authority and multi-channel control. Wireless communication, remote control as one of the intelligent circuit breaker, to meet the user's control of the circuit. Sewing links, leading the industry technology, bring new wisdom experience.

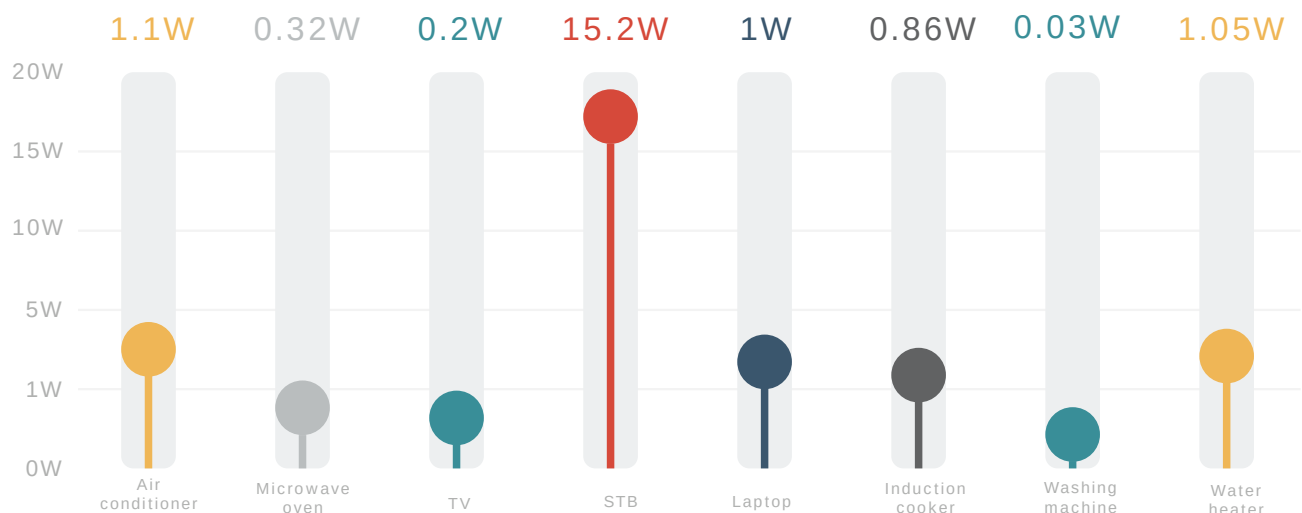
The company is equipped with two of the most advanced intelligent circuit breaker full-function automatic production lines, the factory production area of 2200m². Assembly line. It is an intelligent production line integrating dynamic riveting, automatic checking, automatic pressure testing, automatic coding, automatic pad printing, automatic testing and automatic aging. The annual production capacity reaches 600,000 units. With more than 40 patented technologies, most of our products are export oriented, and the growth trend of foreign customers is gradually increasing.

POWER SAVING TIPS

Home appliances also consume electricity in standby mode.

State Grid engineers use high-precision meters to test the power consumption of an average household appliance in standby mode

The test results



For a typical three-person household, these devices consume at least 50W of power.

With 50 watts of power, a home produces 1.2kWh of electricity a day,

That's 36 kWh a month, 438kWh a year.

So, unplug unnecessary appliances in time to save money on electricity bills.

Estimate knowledge

As the idea of green energy conservation becomes more and more popular, People's demand for rational use of energy has also become more and more intense.

At present, most of the electrical appliances in household stock do not have the function of electricity statistics.

So when a customer gets a bill from the electric company, only know how much electricity the entire household uses, but there's no way to know for individual appliances.

For smart appliances without electricity metering, Doodle Energy PaaS is based on the working state of the equipment,

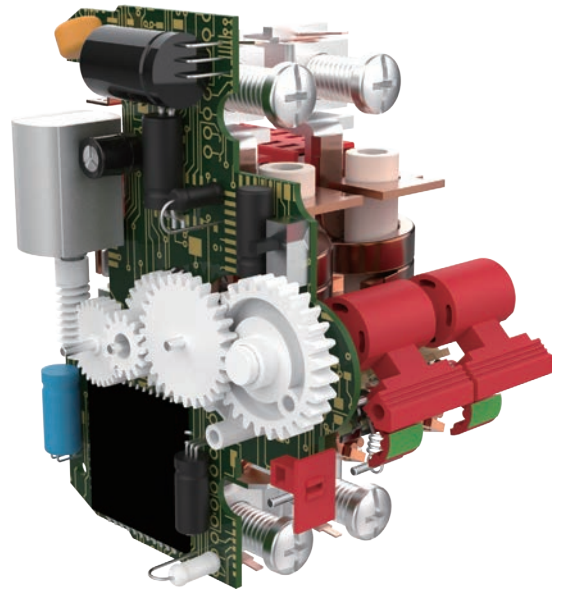
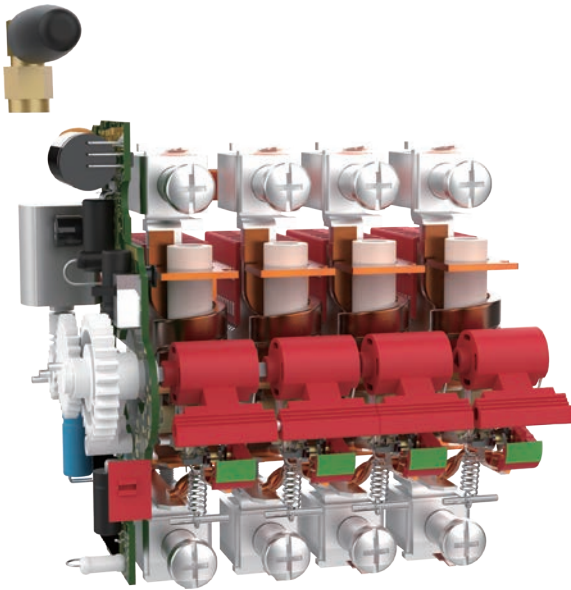
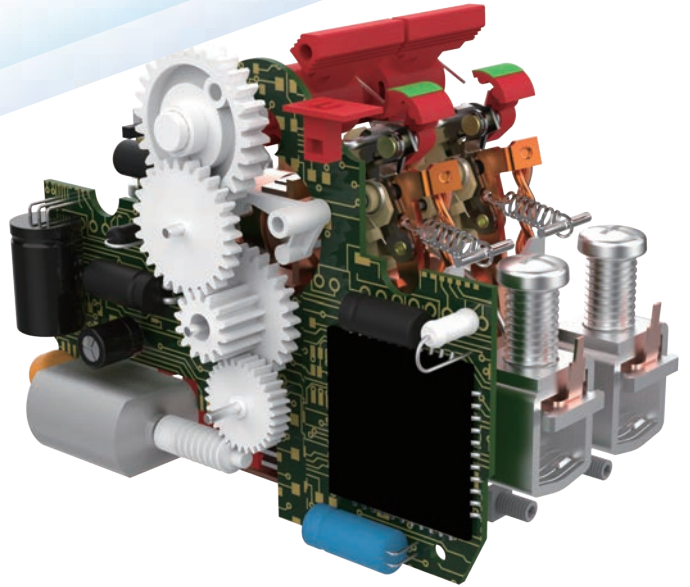
the rated power of the equipment is designed to estimate the power.

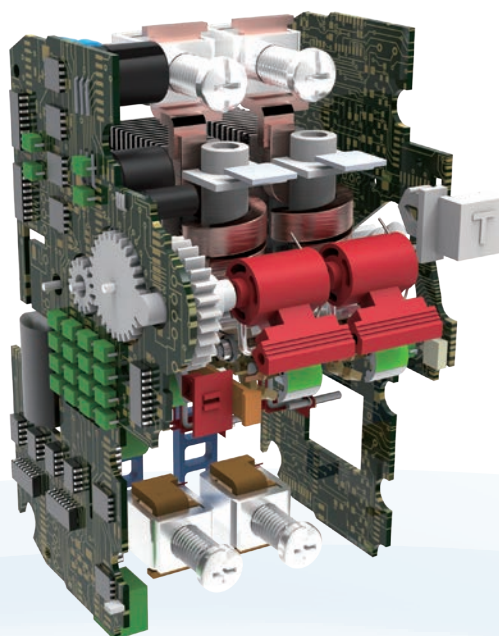
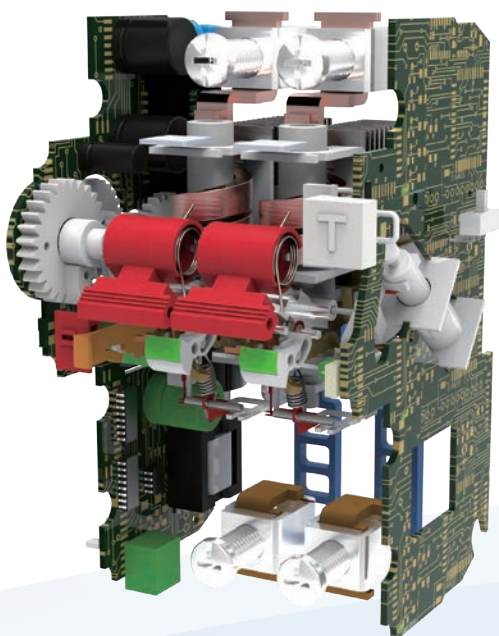
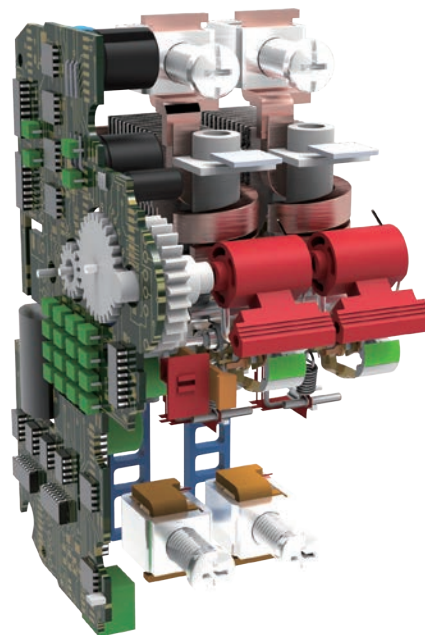
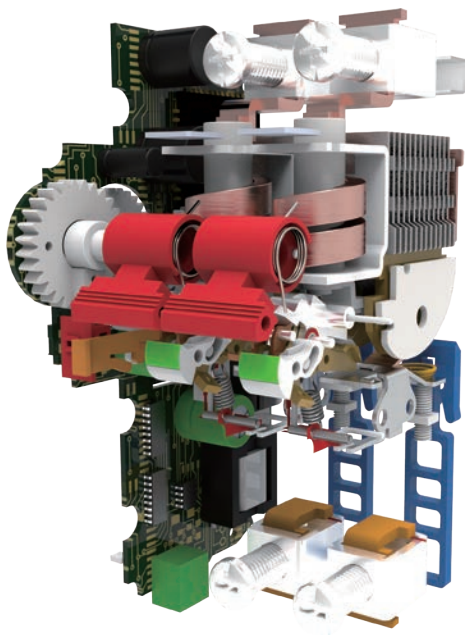
Based on estimation and cloud platform capabilities, these smart appliances also have the ability to display different temporal dimensions of electricity,

It can be used as energy consumption reference for users.

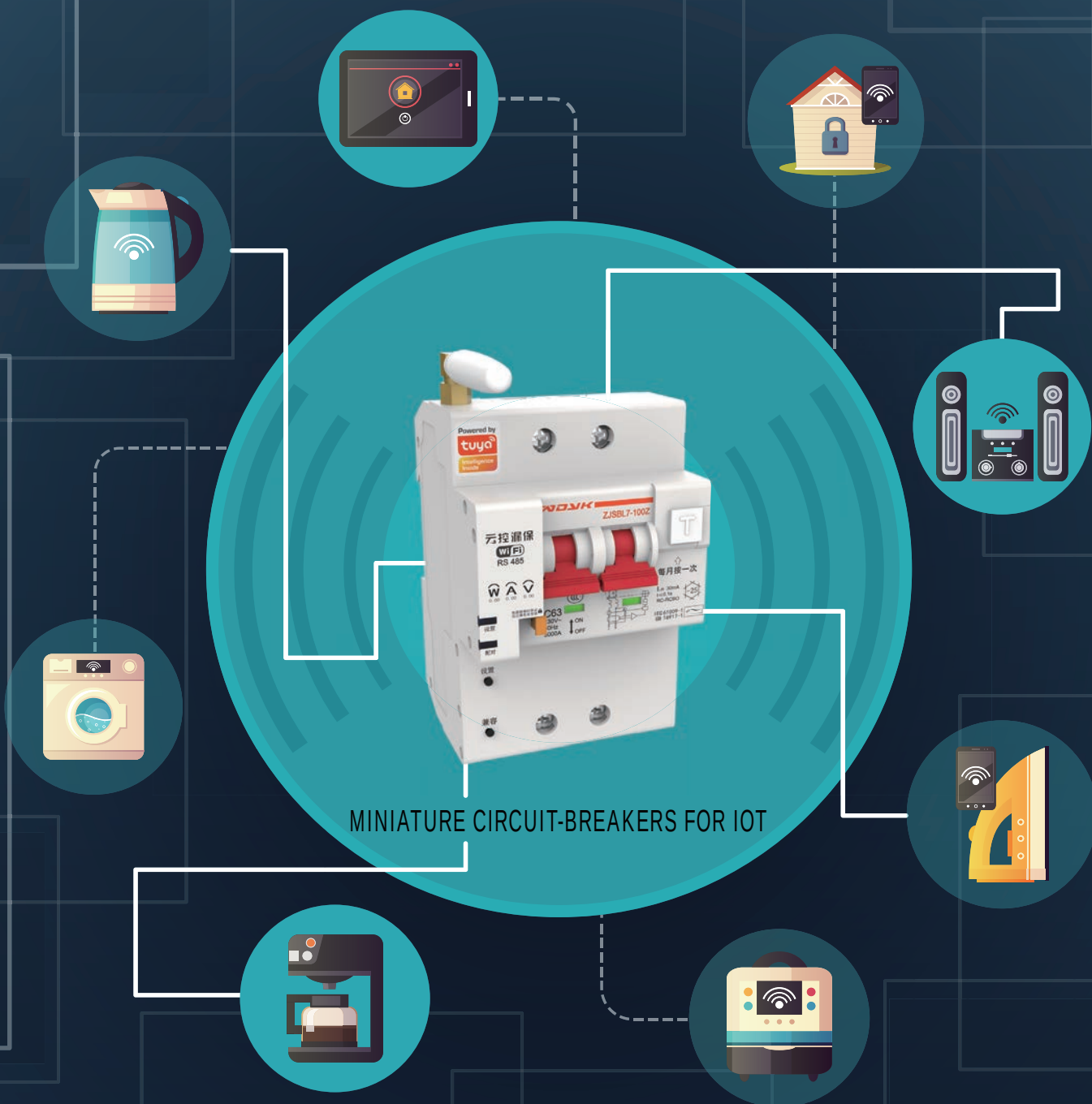


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PRODUCT DIRECTORY



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Qualification certificate

Honorary Certificate



Letters Patent



System Certification



CQC Authentication Certificate





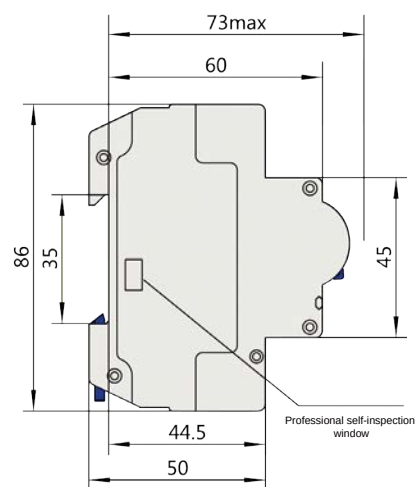
Tuya WiFi circuit breaker

The order code : TW0

Eg: T W 0 - 2 20
 T: Tuya
 W: WiFi
 0: No metered
 2: Pole
 20: Rated current

Product function

1.Remote control switch	3.Overload protection	5.Mechanical lock	7.Timing control
2.Manual opening and closing	4.Short circuit protection	6.LED light	8.Share control



Technical parameter

- Meet the standards: GB/T 10963.1、NB/T42149、IEC 60898-1
- Rated voltage: AC 230V (1P、2P) / AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 1P, 2P, 3P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 125A
- Rated current: 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: more than 10,000 times
- Electrical life: more than 6000 times
- Power consumption: ≤0.9W

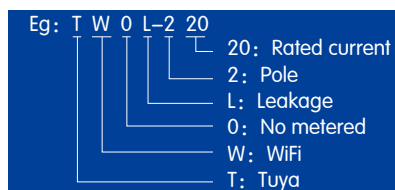
Product diagram





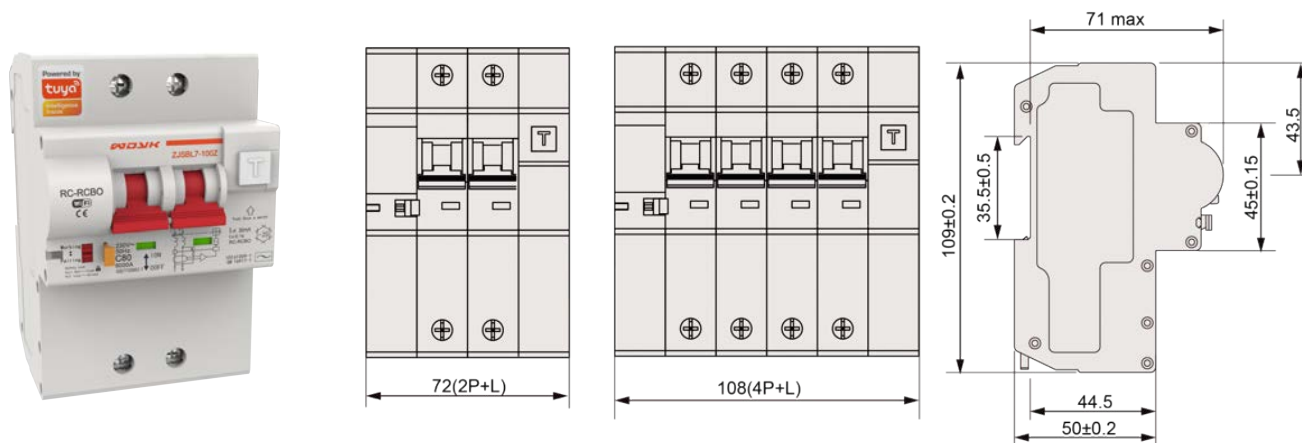
Tuya WIFI electric leakage circuit breaker

The order code : TW0L



Product function

1.Remote control switch	3.Overload protection	5.Mechanical lock	7.Timing control	9.Electric leakage protection
2.Manual opening and closing	4.Short circuit protection	6.LED light	8.Share control	



Technical parameter

- Meet the standards: GB /T 16917.1 、CQC 1149 、GB /T 16917.22
- Rated voltage: AC 220V (1P、2P) /AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 2P、4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 100A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: ≥10,000 times
- Electrical life: ≥ 6000 times
- Power consumption: ≤0.9W
- Residual action current: 30mA、100mA
- Residual current operation time: ≤0.1s

Product diagram





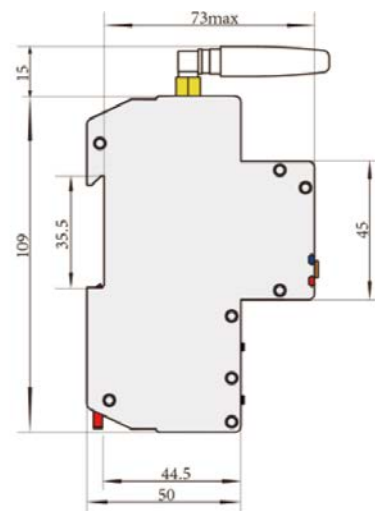
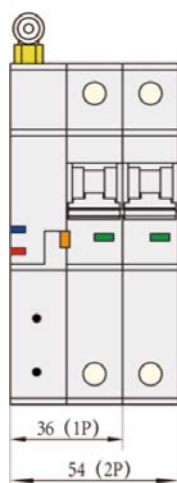
Tuya WIFI metered circuit breaker

The order code : TW1

Eg: T W 1 - 2 20
 20: Rated current
 2: Pole
 1: Metered
 W: WiFi
 T: Tuya

Product function

1. Remote open and close control	7. Current collection	13. Arrears trip setting	19. Overvoltage threshold
2. Manual opening and closing	8. Power acquisition	14. Historical Power query	20. Undervoltage threshold
3. Overload protection	9. Temperature gathering	15. Reverse power statistics	21. Temperature threshold
4. Short circuit protection	10. Timing action setting	16. Zero setting of electric quantity	
5. Mechanical lock construction	11. Countdown action setting	17. Voltage peak recording function	
6. Voltage acquisition	12. Child lock protection function	18. Current threshold	



Product diagram





Tuya WIFI metered circuit breaker

Technical parameter

- Meet the standards: GB /T 10963.1、NB/T42149、IEC 60898-1
- Rated voltage: AC 220V (1P、2P) / AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 1P, 2P, 3P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 100A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: more than 10,000 times
- Electrical life: more than 6000 times
- Precision: Level 1
- Power consumption: $\leq 2W$
- voltage: 0.1V
- Current: 0.001A



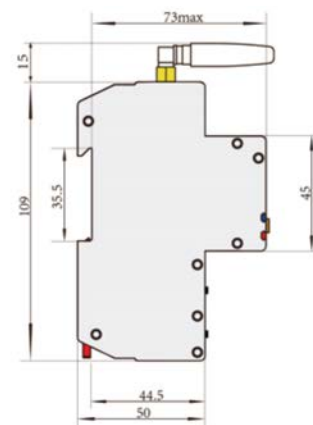
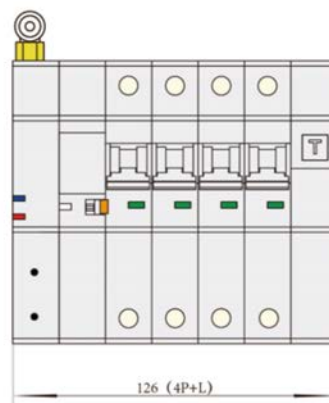
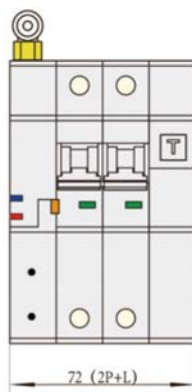
Tuya WIFI metered electric leakage circuit breaker

The order code : TWIL



Product function

1. Remote open and close control	6. Voltage acquisition	11. Countdown action setting	16. Zero setting of electric quantity	21. Temperature threshold	26. Leakage timing test
2. Manual opening and closing	7. Current collection	12. Child lock protection	17. Voltage peak recording	22. Leakage value collection	26. Leakage off function
3. Overload protection	8. Power acquisition	13. Arrears trip	18. Current threshold	23. Leakage threshold	
4. Short circuit protection	9. Temperature gathering	14. Historical Power query	19. Overvoltage threshold	24. Leakage test	
5. Mechanical lock	10. Timing action setting	15. Reverse power statistics	20. Undervoltage threshold	25. Remote leakage test	



Product diagram





Tuya WIFI metered electric leakage circuit breaker

Technical parameter

- Meet the standards: GB /T 16917.1 、CQC 1149 、GB /T 16917.22
- Rated voltage: AC 220V (1P、2P) /AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 2P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 100A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: $\geq 10,000$ times
- Precision: Level 1
- Electrical life: ≥ 6000 times
- Power consumption: $\leq 2W$
- Residual action current: 30mA、100mA
- Residual current operation time: $\leq 0.1s$



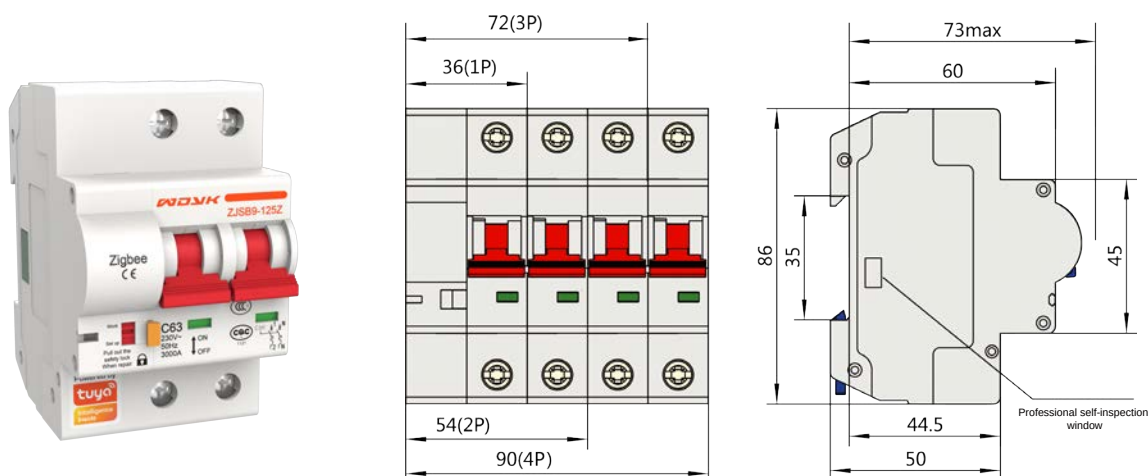
Tuya Zigbee Circuit Breaker

The order code: TZ0

Eg: T Z 0 - 2 20
 T: Tuya
 Z: Zigbee
 0: No metered
 2: Pole
 20: Rated current

Product function

1.Remote control switch	3.Overload protection	5.Mechanical lock	7.Timing control
2.Manual opening and closing	4.Short circuit protection	6.LED light	8.Share control



Technical parameter

- Meet the standards: GB /T 10963.1、NB/T42149、IEC 60898-1
- Rated voltage: AC 220V (1P、2P) /AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 1P, 2P, 3P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 125A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: more than 10,000 times
- Electrical life: more than 6000 times
- Power consumption: ≤0.9W

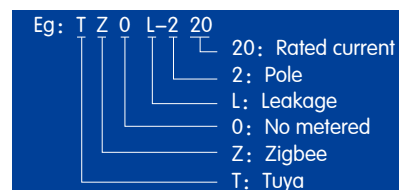
Product diagram





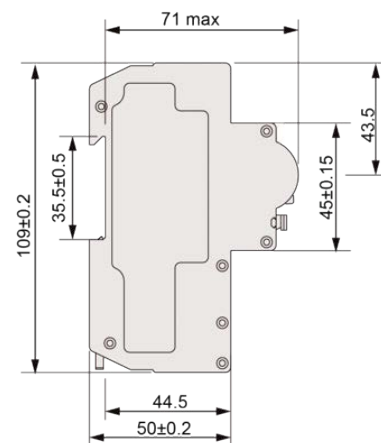
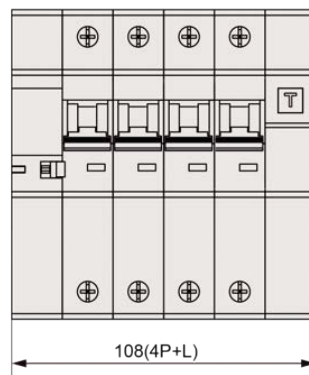
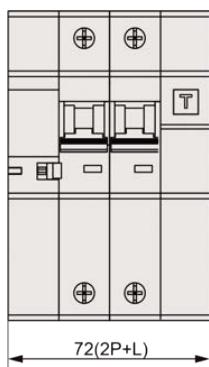
Tuya WIFI metered electric leakage circuit breaker

The order code: TZOL



Product function

1. Remote open and close control	3. Overload protection	5. Mechanical lock	7. Timing control	9. Electric leakage protection
2. Manual opening and closing	4. Short circuit protection	6. LED light	8. Share control	10. Leakage off function



Technical parameter

- Meet the standards: GB/T 16917.1、CQC 1149、GB/T 16917.22
- Rated voltage: AC 220V (1P、2P) / AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 2P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 100A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: ≥10,000 times
- Electrical life: ≥6000 times
- Power consumption: ≤0.9W
- Residual action current: 30mA、100mA
- Residual current operation time: ≤0.1s

Product diagram





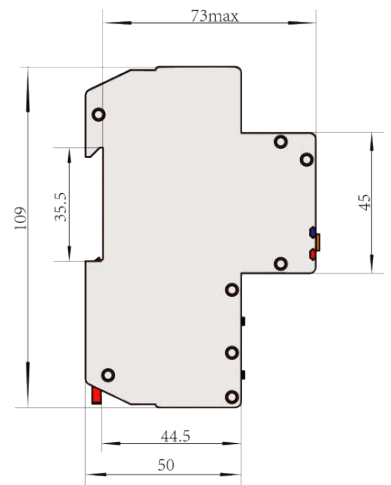
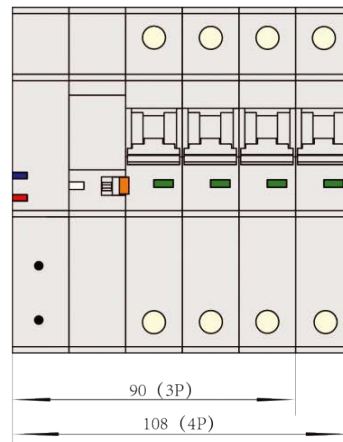
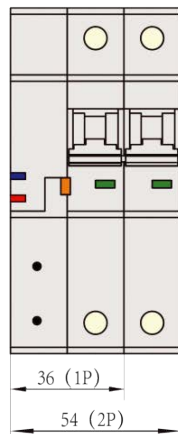
Tuya Zigbee metered circuit breaker

The order code: TZ1

Eg: T Z 1 - 2 20
 20: Rated current
 2: Pole
 1: Metered
 Z: Zigbee
 T: Tuya

Product function

/, P c k m r c m n c l _ l b a j m q c a m l r p m j	6. Voltage acquisition	11. Countdown action setting	16. Zero setting of electric quantity	21. Temperature threshold
0, K _ l s _ j m n c l _ l e _ l b a j m q l e	7. Current collection	12. Child lock protection	17. Voltage peak recording	
1, M t c j m _ b n p m r c a r m l	8. Power acquisition	13. Arrears trip setting	18. Current threshold set	
2, Q f m p r a g a s j r n p m r c a r m l	9. Temperature gathering	14. Historical Power query	19. Over voltage threshold	
3, K c a f _ l _ j a _ j m a i	10. Timing action setting	15. Reverse power statistics	20. Undervoltage threshold	



Product diagram





Tuya Zigbee metered circuit breaker

Technical parameter

- Meet the standards: GB /T 10963.1、NB/T42149、IEC 60898-1
- Rated voltage: AC 220V (1P、2P) /AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Protection 1P, 2P, 3P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 100A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: more than 10,000 times
- Electrical life: more than 6000 times
- Precision: Level 1
- Power consumption: $\leq 2W$



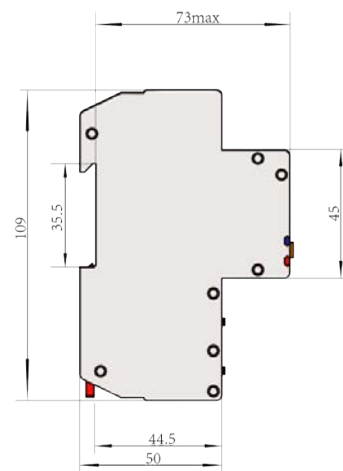
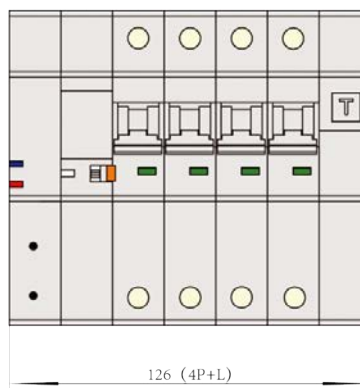
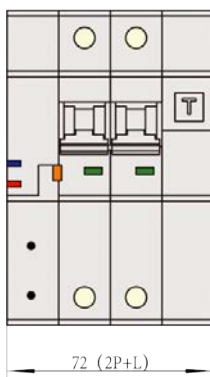
Tuya Zigbee metered electric leakage circuit breaker

The order code: TZIL



Product function

1. Remote open and close control	6. Voltage acquisition	11. Countdown action setting	16. Zero setting of electric quantity	21. Temperature threshold	26. Leakage timing test
2. Manual opening and closing	7. Current collection	12. Child lock protection	17. Voltage peak recording	22. Leakage value collection	26. Leakage off function
3. Overload protection	8. Power acquisition	13. Arrears trip	18. Current threshold	23. Leakage threshold	
4. Short circuit protection	9. Temperature gathering	14. Historical Power query	19. Overvoltage threshold	24. Leakage test	
5. Mechanical lock	10. Timing action setting	15. Reverse power statistics	20. Undervoltage threshold	25. Remote leakage test	



Product diagram





Tuya Zigbee metered electric leakage circuit breaker

Technical parameter

- Meet the standards: GB /T 16917.1 、CQC 1149 、GB /T 16917.22
- Rated voltage: AC 220V (1P、2P) /AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 2P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 100A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: $\geq 10,000$ times
- Precision: Level 1
- Electrical life: ≥ 6000 times
- Power consumption: $\leq 2W$
- Residual action current: 30mA、100mA
- Residual current operation time: $\leq 0.1s$



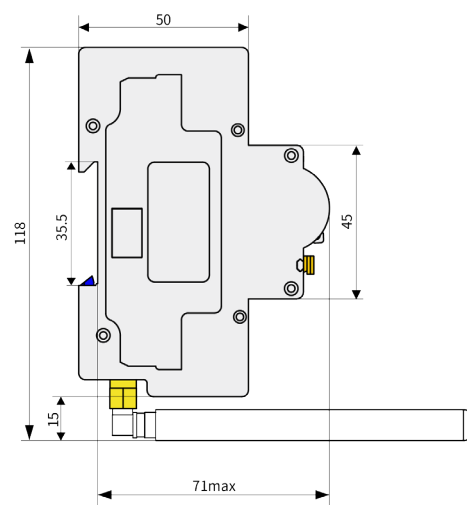
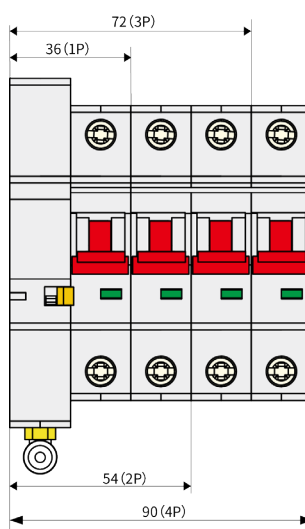
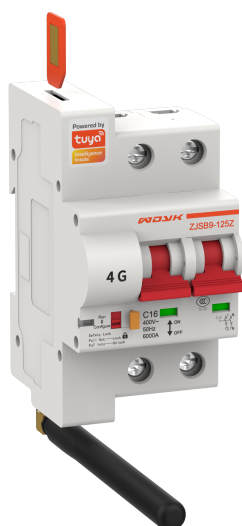
Tuya 4G SIM card micro circuit breaker

The order code: T40

Eg: T 4 0 - 2 20
 20: Rated current
 2: Pole
 0: No metered
 4: 4G
 T: Tuya

Product function

1. Remote open and close control	3. Overload protection	5. Mechanical lock	7. Timing control
2. Manual opening and closing	4. Short circuit protection	6. LED light	8. Share control



Technical parameter

- Meet the standards: GB /T 10963.1、NB/T42149、IEC 60898-1
- Rated voltage: AC 220V (1P、2P) /AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 1P, 2P, 3P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 125A
- Rated current: 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 125A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: more than 10,000 times
- Electrical life: more than 6000 times
- Power consumption: ≤1.8W

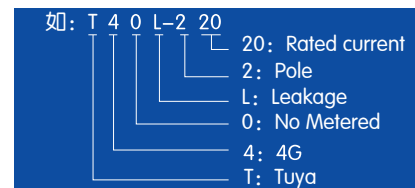
Product diagram





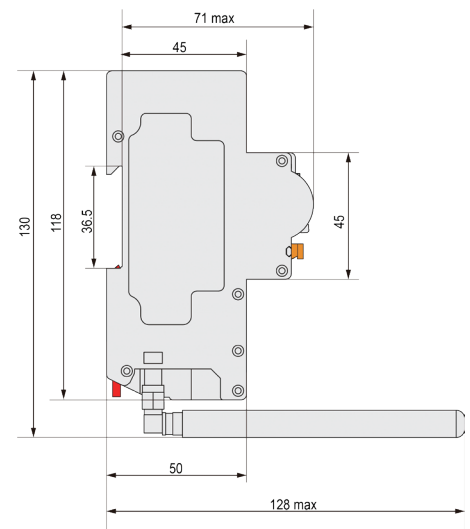
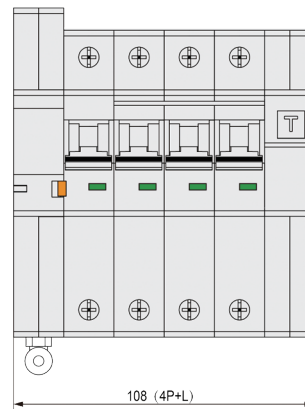
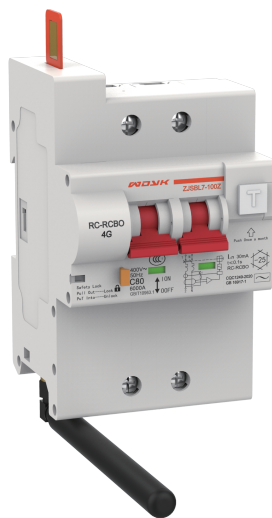
Tuya 4G electric leakage circuit breaker

The order code: T40L



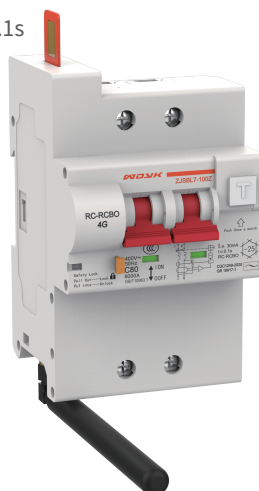
Product function

1. Remote open and close control	3. Overload protection	5. Mechanical lock	7. Timing control	9. Electric leakage protection
2. Manual opening and closing	4. Short circuit protection	6. LED light	8. Share control	10. Leakage off function



Technical parameter

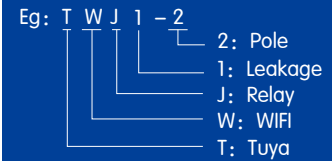
- Meet the standards: GB /T 16917.1 、CQC 1149 、GB /T 16917.22
- Rated voltage: AC 220V (1P、2P) /AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 2P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 100A
- Rated current: 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: ≥10,000 times
- Electrical life: ≥ 6000 times
- Power consumption: ≤0.9W
- Residual action current: 30mA, 100mA
- Residual current operation time: ≤0.1s





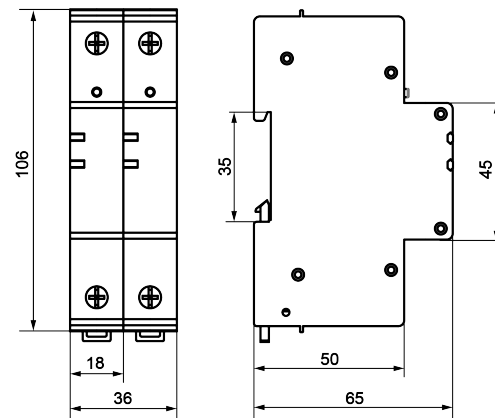
Tuya zero crossing opening and closing switch

The order code: TWJ1-1



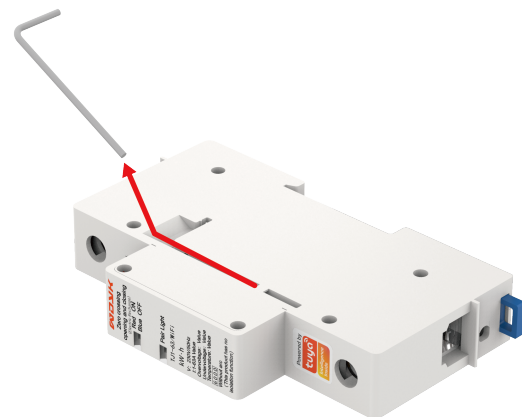
Product function

1. Remote open and close control	5. Power acquisition	9. Arrears trip	13. Current threshold
2. Overload protection	6. Temperature acquisition	10. Historical Power query	14. Overvoltage threshold
3. Voltage acquisition	7. Timing action setting	11. Reversepowerstatistics	15. Undervoltage threshold
4. Current collection	8. Count down action setting	12. Zero setting of electric quantity	16. Temperature threshold



Technical parameter

- Meet the standards: GB/T 14048.5
- Rated voltage: AC220V / AC230V
- Rated frequency: 50Hz
- Number of poles: 1P、2P
- Specified operating temperature: -25°C ~ +65°C
- Rated current: 1A-63A
- Mechanical life: ≥ 100000 times
- Electrical life: ≥ 10000 times
- Maximum wiring capacity: 50mm²
- Tightening torque: 4-5Nm
- Acquisition Accuracy: Level 1
- Clearance between open contacts: 1.2mm



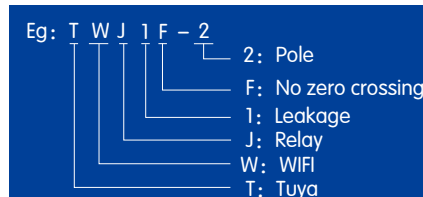
Product diagram





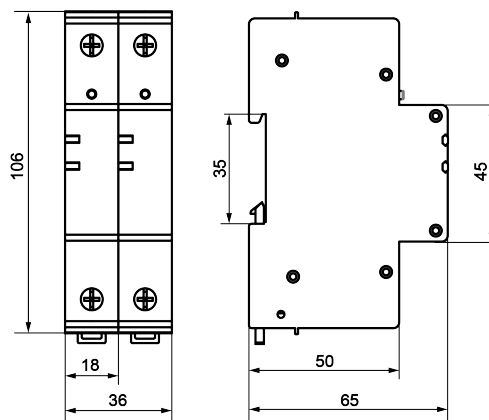
Tuya Multifunctional Measuring Switch

The order code: TWJ1F-1



Product function

1. Remote open and close control	4. Current collection	7. Timing action setting
2. Over current protection	5. Power collection	8. Historical Current Query
3. Voltage acquisition	6. Electricity statistics	9. Countdown action setting



Technical parameter

- Meet the standards: GB/T 14048.5
- Rated voltage: AC110V / AC220V
- Rated frequency: 50Hz / 60Hz
- Number of poles: 1P、2P
- Specified operating temperature: -25°C ~ +65°C
- Rated current: 40A
- Mechanical life: ≥ 100000 times
- Electrical life: ≥ 10000 times
- Maximum wiring capacity: 50mm²
- Tightening torque: 4-5Nm
- Acquisition Accuracy: Level 1
- Clearance between open contacts: 1.2mm

Product diagram





Tuya WiFi electric energy acquisition module

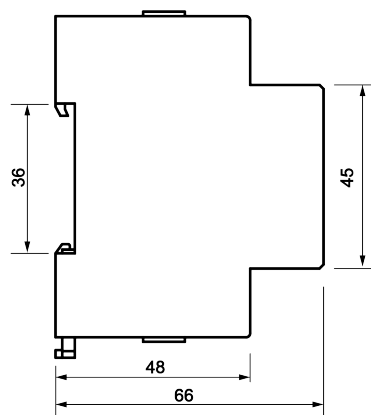
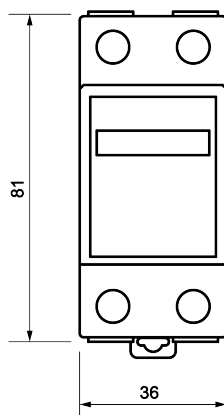
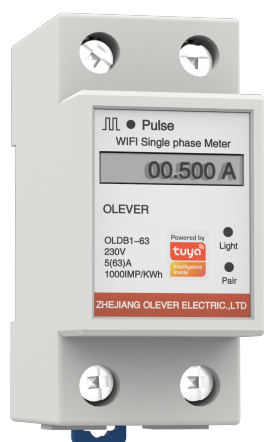
The order code: DB1-63/Tuya WIFI

Eg: DB 1 - 63/Tuya Wifi

- Tuya Wifi: Access the Tuya Cloud platform
- 63: Maximum current
- 1: Design a sequence number
 - 1- With collection without switching function,
 - 2- With collection with switching function
- DB: Electric energy meter

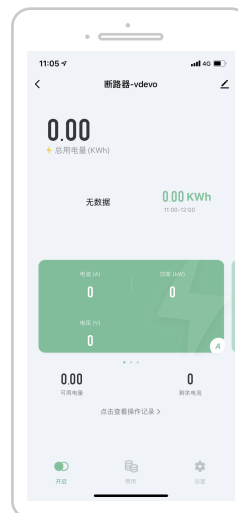
Product function

1. Current display	2. Voltage display	3. Power display	4. Electrical value display
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Technical parameter

- Rated voltage: AC230V
- Rated frequency: 50Hz/60Hz
- Maximum current: 63A
- Standby power consumption: $\leq 1W$
- Pole: 2P (Single-phase electric)
- Precision: Level 1
- Product size: 81mm $\times$ 36mm $\times$ 66mm
- Working temperature limit: $-40^{\circ}C \sim +70^{\circ}C$
- Working humidity limit: $\leq 80\%RH$
- Wireless standards: WI-FI 2.4GHz 802.11b/g/n
- 1000IMP/kwh



Product diagram





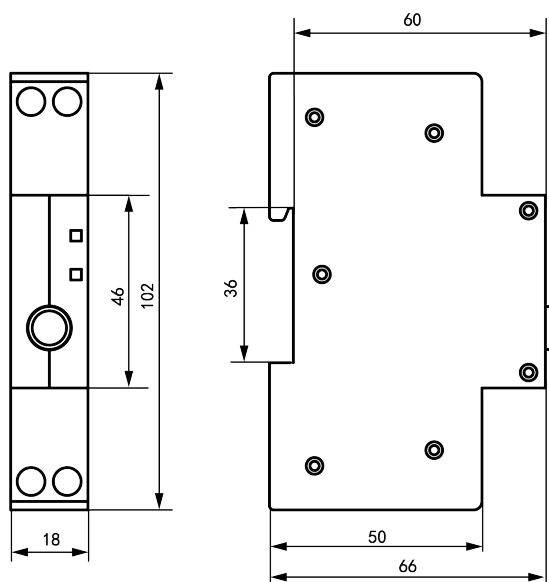
Tuya Wifi Multifunctional measuring switch

The order code: TWL1

Eg: T W L 1
 1: Metering
 L: Leakage
 W: WIFI
 T: Tuya

Product function

1. Remote switching and closing control	4. Collection of current	7. Timing action setting	10. Current leakage monitoring
2. Over current protection	5. Power acquisition	8. Historical power query	
3. Voltage acquisition	6. Electric quantity statistics	9. Countdown action setting	



Technical parameter

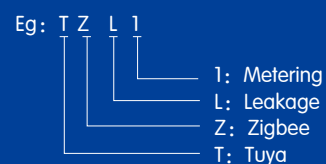
- Meet the standards: GB/T 14048.5
- Rated voltage: AC110V / AC220V
- Rated frequency: 50Hz / 60Hz
- Number of poles: 1P
- Specified service temperature: -25°C ~ +65°C
- Rated current current: 40A
- Life of machinery: ≥ 100000 times
- Electrical life span: ≥ 10000 times

Product diagram



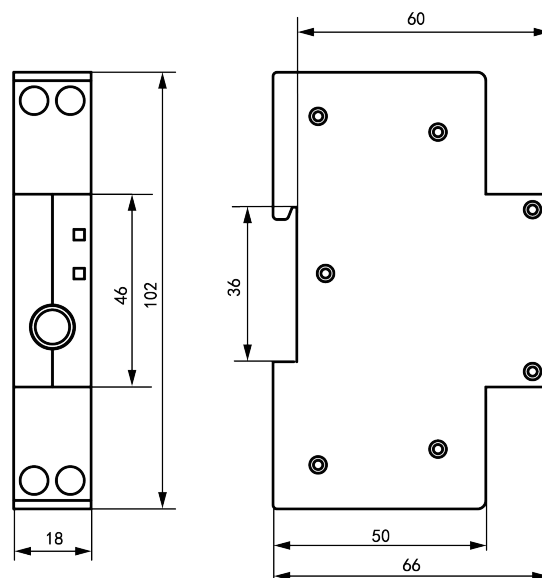


Tuya Zigbee Multifunctional measuring switch The order code: TWL1



Product function

1. Remote switching and closing control	4. Collection of current	7. Timing action setting	10. Current leakage monitoring
2. Over current protection	5. Power acquisition	8. Historical power query	
3. Voltage acquisition	6. Electric quantity statistics	9. Countdown action setting	



Technical parameter

- Meet the standards: GB/T 14048.5
- Rated voltage: AC110V / AC220V
- Rated frequency: 50Hz / 60Hz
- Number of poles: 1P
- Specified service temperature: -25℃ ~ +65℃
- Rated current current: 40A
- Life of machinery: ≥ 100000 times
- Electrical life span: ≥ 10000 times

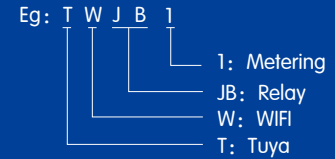
Product diagram





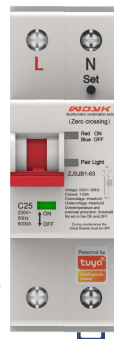
Tuya Multifunction combination switch

The order code: TWJB1



Product function

1. Remote open and close control	6. Voltage acquisition	11. Countdown action setting	16. Zero setting of electric quantity	21. Temperature threshold	26. Leakage timing test
2. Manual opening and closing	7. Current collection	12. Child lock protection function	17. Voltage peak recording	22. Leakage value collection	27. Leakage off function
3. Overload protection	8. Power acquisition	13. Arcs trip setting	18. Current threshold set	23. Leakage threshold	
4. Short circuit protection	9. Temperature gathering	14. Historical Power query	19. Over voltage threshold	24. Electric leakage protection	
5. Mechanical lock construction	10. Timing action setting	15. Reverse power statistics	20. Undervoltage threshold	25. Remote leakage test	



Only when the circuit breaker is in the closing position can the relay be turned off to output power

Circuit breaker
(Short circuit, overload protection)

Relay
(Data acquisition, measurement)

After opening, there is no remote closing function

Technical parameter

- Rated voltage: AC 110V / AC 220V
- Rated frequency: 50Hz/60Hz
- Number of poles: 2P
- Specified service temperature: -25°C ~ +65°C
- Housing and frame grade rated current: 63A
- Rated current: 63A
- Level of protection: IP20
- Life of machinery: ≥ 10000 times
- Electrical life span: ≥ 10000 times
- Precision: Level 1

Multifunctional intelligent combined switch ZJSJ1-63, is a circuit breaker and relay combination appliance developed by our company, suitable for AC 50Hz/ rated working voltage AC230V, such as the working voltage is 110V,60Hz, will lose the zero switching function, rated current to 63A line, The function of connecting, breaking and distributing electric energy and carrying rated current; And can be in the line and electrical equipment overload, short circuit in the case of the line and electrical equipment for reliable protection. Through the cloud platform, the product can realize WIFI wireless networking, APP display of energy metering and electrical data transmission, and real-time reading of the working state of the electrical circuit in a remote location.

This product solves the defects of relay structure products in the market that have no short circuit protection, no overload protection and no isolation function. The circuit breaker part of the product has the isolation function, with the mechanical opening and closing indication window, to ensure that users intuitively judge the state of the switch. This product not only guarantees the advantages of long service life of relay, but also guarantees the short circuit protection and overload protection function of circuit breaker. When the line is maintained, the operator can manually switch on the circuit breaker, and the relay will also switch on synchronously at this time to realize linkage. At the same time, the circuit breaker is operated manually to ensure the safety of the line maintainer.

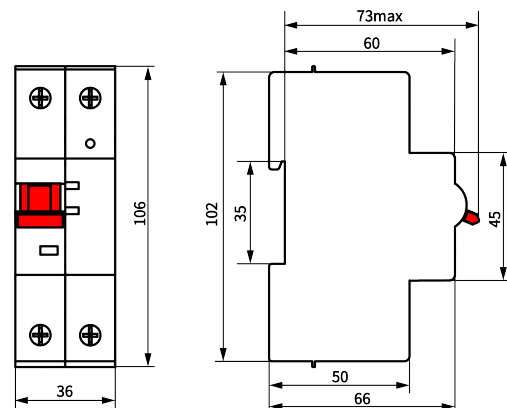
This product is composed of two parts, the left is the circuit breaker structure, the main function is short circuit, overload, emergency switching, line maintenance manual switching, so, when the circuit breaker switching action, is not remotely operated closing, only manual closing.

On the right side of this product is the structure of magnetic holding relay. When the circuit breaker is in the closing state, the product has the function of remote control to cut off and switch on the power supply.

Product diagram



▶ ▶ ▶ www.wifimcb.com





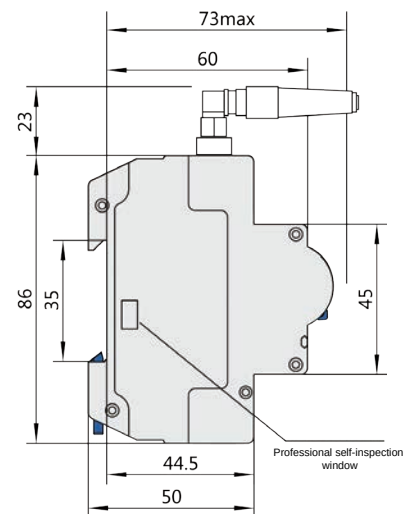
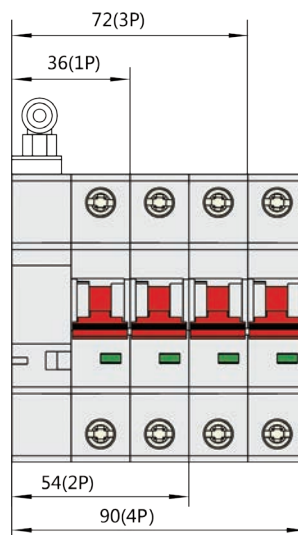
Mijia App Micro Circuit Breaker

The order code: MW0

Eg: M W 0 - 2 20
 M: Mijia APP
 W: WiFi
 0: No metering
 2: Pole
 20: Rated current

Product function

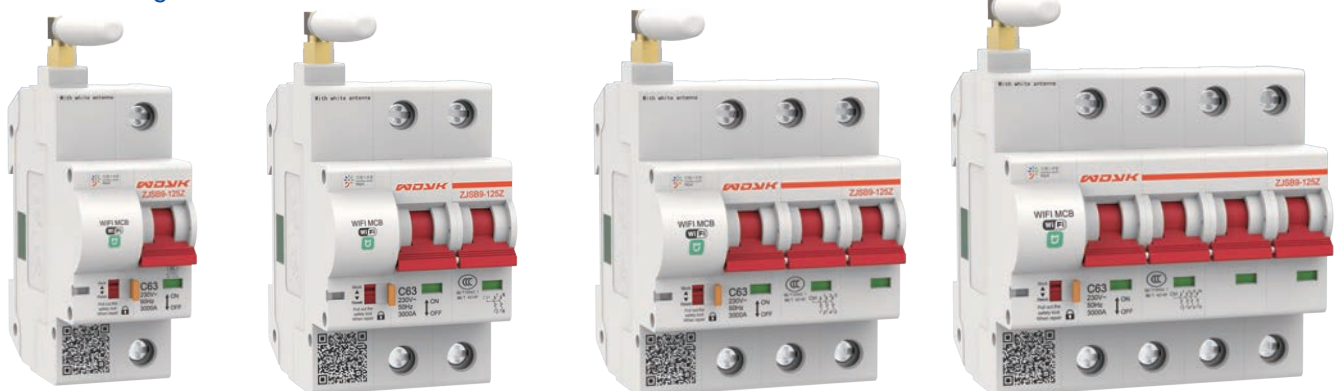
1.Remote control switch	3.Overload protection	5.Mechanical lock	7.Timing control
2.Manual opening and closing	4.Short circuit protection	6.LED light	8.Share control



Technical parameter

- Meet the standards: GB /T 10963.1、NB/T42149、IEC 60898-1
- Rated voltage: AC 220V (1P, 2P) /AC 400V (3P, 4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 1P, 2P, 3P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 125A
- Rated current: 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A, 125A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: more than 10,000 times
- Electrical life: more than 6000 times
- Power consumption: ≤0.9W

Product diagram





Mijia APP Residual current Operated Circuit-breaker

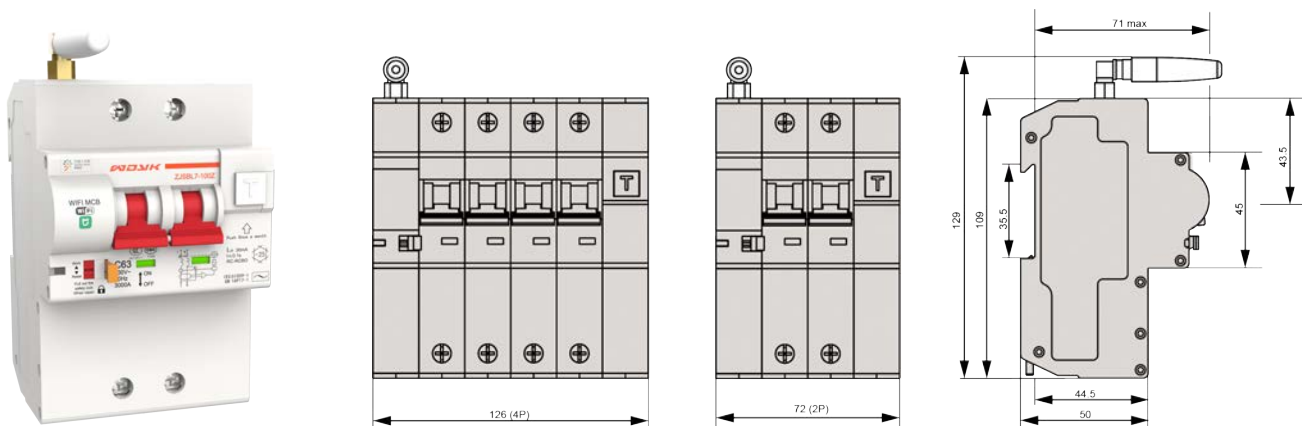
The order code: MWOL

Eg: M W O L-2 20

M	W	O	L	-2	20
M: Mijia APP	W: WiFi	O: No metering	L: Leakage	2: Pole	20: Rated current

Product function

1. Remote open and close control	3. Overload protection	5. Mechanical lock	7. Timing control	9. Electric leakage protection
2. Manual opening and closing	4. Short circuit protection	6. LED light	8. Share control	10. Leakage off function



Technical parameter

- Meet the standards: GB/T 16917.1、CQC 1149、GB/T 16917.22
- Rated voltage: AC 220V (1P、2P) / AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 2P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 100A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: ≥10,000 times
- Electrical life: ≥6000 times
- Power consumption: ≤0.9W
- Residual action current: 30mA、100mA
- Residual current operation time: ≤0.1s

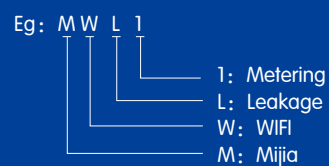
Product diagram





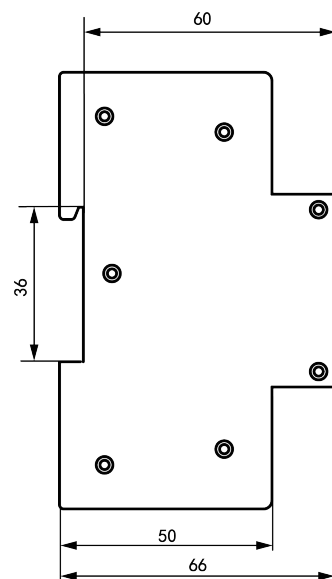
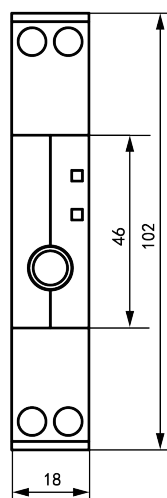
Mijia WIFI Multifunctional measuring switch

The order code: MWL1



Product function

1. Remote switching and closing control	4. Collection of current	7. Timing action setting
2. Over current protection	5. Power acquisition	8. Countdown action setting
3. Voltage acquisition	6. Electric quantity collection	9. Current leakage monitoring



Technical parameter

- Meet the standards: GB/T 14048.5
- Rated voltage: AC110V / AC220V
- Rated frequency: 50Hz / 60Hz
- Number of poles : 1P
- Specified service temperature: -25°C ~ +65°C
- Rated current current: 40A
- Life of machinery: ≥ 100000 次
- Electrical life span: ≥ 10000 次

Product diagram





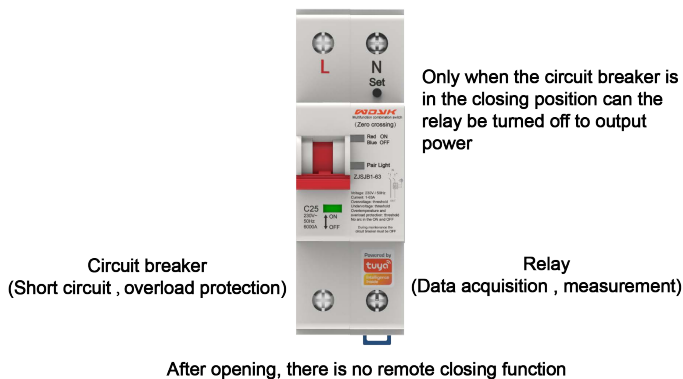
Mijia Multifunction combination switch

The order code: MWJB1



Product function

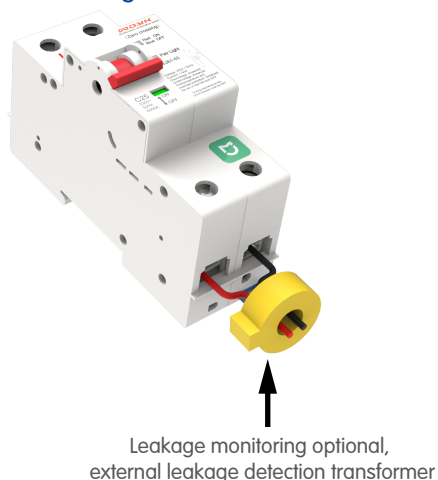
1.Remote open and close control	5.Mechanical lock construction	9.Temoerature gathering	13.Reverse power statistics	17.Undervoltage threshold
2.Manual opening and closing	6.Voltage acquisiton	10.Timing action setting	14.Zero setting of electric quantity	18.Temperature threshold
3.Overload protection	7.Current collection	11.Countdown action setting	15.Current threshold set	19.Leakage value collection
4.Short circuit protection	8.Power acquisition	12.Child lock protection function	16.Over voltage threshold	20.Leakage threshold



Technical parameter

- Rated voltage: AC 110V / AC 220V
- Rated frequency: 50Hz/60Hz
- Number of poles: 2P
- Specified service temperature: -25°C ~ +65°C
- Housing and frame grade rated current: 63A
- Rated current current: 63A
- Level of protection: IP20
- Life of machinery: ≥ 10000 times
- Electrical life span: ≥ 10000 times
- Precision: Level 1

Product diagram

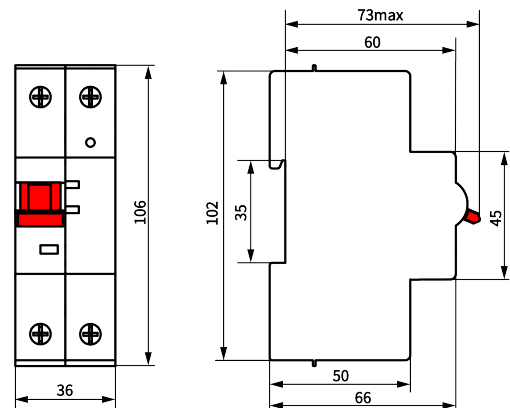


Multifunctional intelligent combined switch ZJSJ1-63, is a circuit breaker and relay combination appliance developed by our company, suitable for AC 50Hz/ rated working voltage AC230V, such as the working voltage is 110V,60Hz, will lose the zero switching function, rated current to 63A line, The function of connecting, breaking and distributing electric energy and carrying rated current; And can be in the line and electrical equipment overload, short circuit in the case of the line and electrical equipment for reliable protection. Through the cloud platform, the product can realize WIFI wireless networking, APP display of energy metering and electrical data transmission, and real-time reading of the working state of the electrical circuit in a remote location.

This product solves the defects of relay structure products in the market that have no short circuit protection, no overload protection and no isolation function. The circuit breaker part of the product has the isolation function, with the mechanical opening and closing indication window, to ensure that users intuitively judge the state of the switch. This product not only guarantees the advantages of long service life of relay, but also guarantees the short circuit protection and overload protection function of circuit breaker. When the line is maintained, the operator can manually switch on the circuit breaker, and the relay will also switch on synchronously at this time to realize linkage. At the same time, the circuit breaker is operated manually to ensure the safety of the line maintainer.

This product is composed of two parts, the left is the circuit breaker structure, the main function is short circuit, overload, emergency switching, line maintenance manual switching, so, when the circuit breaker switching action, is not remotely operated closing, only manual closing.

On the right side of this product is the structure of magnetic holding relay. When the circuit breaker is in the closing state, the product has the function of remote control to cut off and switch on the power supply.





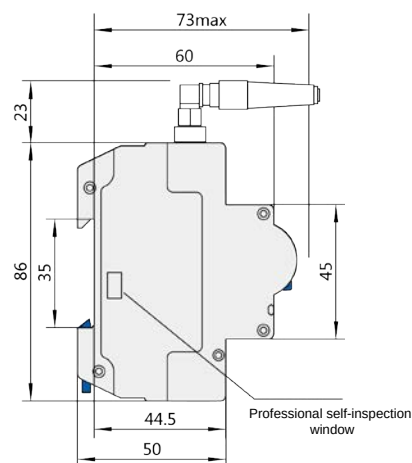
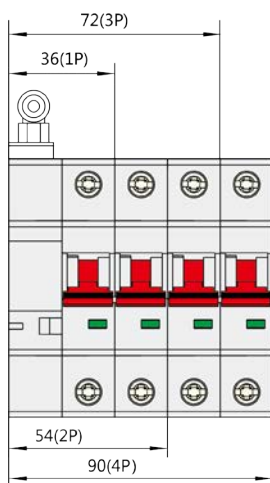
eWeLink WiFi Micro circuit breaker

The order code: EWO

Eg: E W 0 - 2 20
 20: Rated current
 2: Pole
 0: No metering
 W: WiFi
 E: eWeLink

Product function

1. Remote open and close control	3. Overload protection	5. Mechanical lock	7. Timing control
2. Manual opening and closing	4. Short circuit protection	6. LED light	8. Share control



Technical parameter

- Meet the standards: GB /T 10963.1、NB/T42149、IEC 60898-1
- Rated voltage: AC 220V (1P, 2P) /AC 400V (3P, 4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 1P, 2P, 3P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 125A
- Rated current: 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 125A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: more than 10,000 times
- Electrical life: more than 6000 times
- Power consumption: ≤0.9W

Product diagram





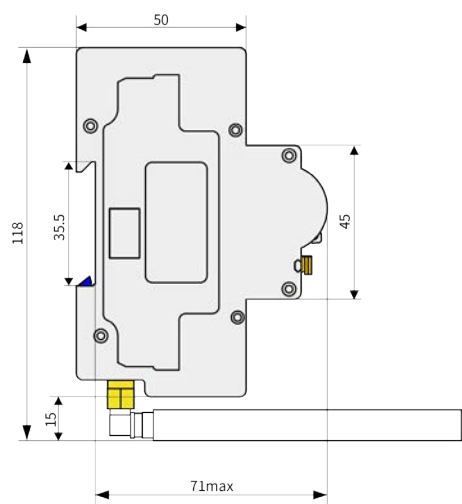
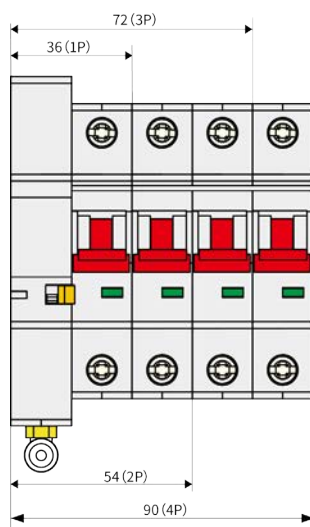
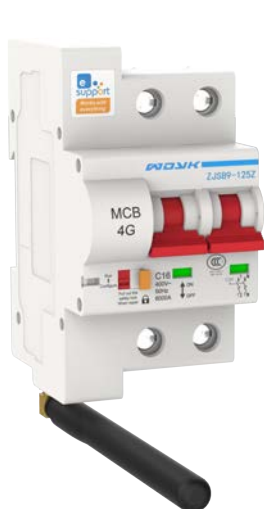
eWeLink 4G Micro Circuit Breaker

The order code: E40

Eg: E 4 0 - 2 20
 20: Rated current
 2: Pole
 0: No metering
 4: 4G
 E: eWeLink

Product function

1. Remote open and close control	3. Overload protection	5. Mechanical lock	7. Timing control
2. Manual opening and closing	4. Short circuit protection	6. LED light	8. Share control



Technical parameter

- Meet the standards: GB /T 10963.1、NB/T42149、IEC 60898-1
- Rated voltage: AC 220V (1P、2P) /AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 1P, 2P, 3P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 125A
- Rated current: 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 125A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: more than 10,000 times
- Electrical life: more than 6000 times
- Power consumption: ≤1.8W

Product diagram





eWeLink 4G Residual current Operated Circuit-breaker

The order code: E40L

Eg: E 4 0 L-2 20
 E: eWeLink
 4: 4G
 0: No metering
 L: Leakage
 2: Pole
 20: Rated current

Product function

1. Remote open and close control	3. Overload protection	5. Mechanical lock	7. Timing control	9. Electric leakage protection
2. Manual opening and closing	4. Short circuit protection	6. LED light	8. Share control	10. Leakage off function



Technical parameter

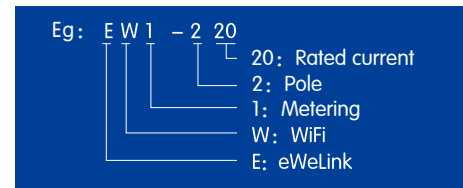
- Meet the standards: GB/T 16917.1、CQC 1149、GB/T 16917.22
- Rated voltage: AC 220V (1P, 2P) / AC 400V (3P, 4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 2P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 100A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: ≥10,000 times
- Electrical life: ≥6000 times
- Power consumption: ≤1.8W
- Residual action current: 30mA、100mA
- Residual current operation time: ≤0.1s





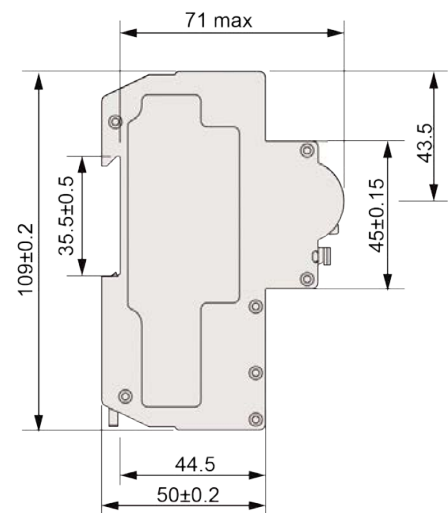
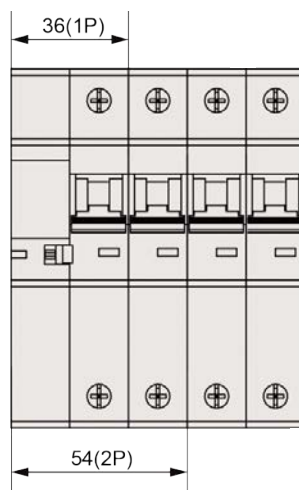
eWeLink WiFi metering Micro circuit breaker

The order code: EW1



Product function

1. Remote open and close control	4. Short circuit protection	7. Current read	10. Value read	13. Power threshold
2. Manual opening and closing	5. Mechanical lock	8. Voltage read	11. Voltage threshold	
3. Overload protection	6. LED light	9. Active power read	12. Current threshold	



Product diagram





eWeLink WiFi metering Micro circuit breaker

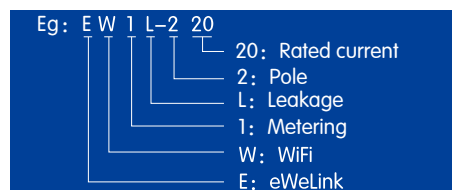
Technical parameter

- Meet the standards: GB /T 10963.1 、NB/T42149、IEC 60898-1
- Rated voltage: AC 220V (1P、2P) /AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 2P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 100A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: $\geq 10,000$ times
- Electrical life: ≥ 6000 times
- Precision: Level 1
- Power consumption: $\leq 2W$
- Voltage resolution: 0.1V
- Current resolution: 0.001A



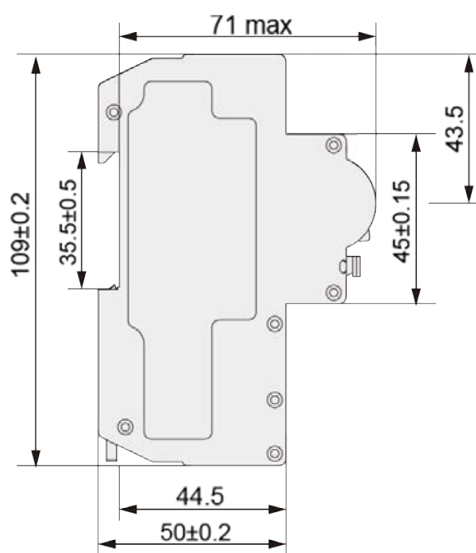
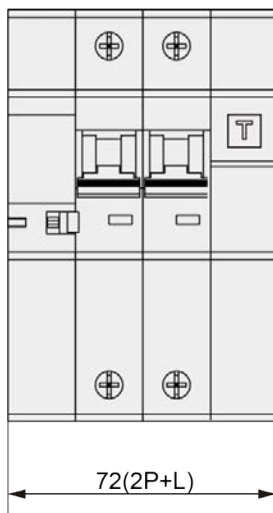
eWeLink WiFi metering Residual current Operated Circuit-breaker

The order code: EWIL



Product function

1. Remote open and close control	4. Short circuit protection	7. Current read	10. Value read	13. Power threshold
2. Manual opening and closing	5. Mechanical lock	8. Voltage read	11. Voltage threshold	14. Electric leakage protection
3. Overload protection	6. LED light	9. Active power read	12. Current threshold	15. Leakage off function



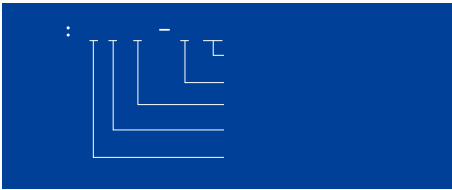
Technical parameter

- Meet the standards: GB/T 16917.1、CQC 1149、GB/T 16917.22
- Rated voltage: AC 220V (2P)
- Rated frequency: 50Hz/60Hz
- protection 2P
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 100A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: ≥10,000 times
- Precision: Level 1
- Electrical life: ≥6000 times
- Power consumption: ≤2W
- Residual action current: 30mA、100mA
- Residual current operation time: ≤0.1s

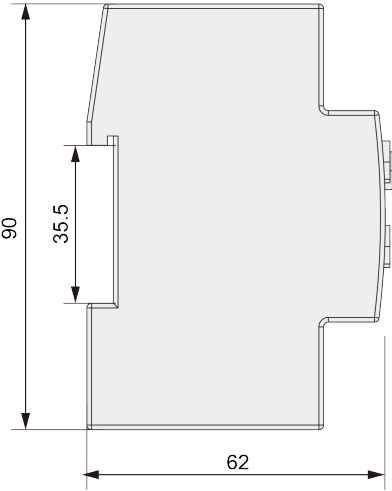
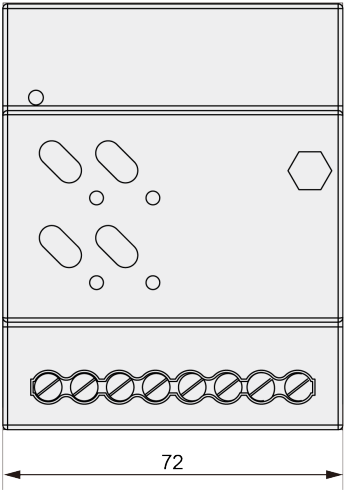


eWeLink Four-channel multifunctional remote controller

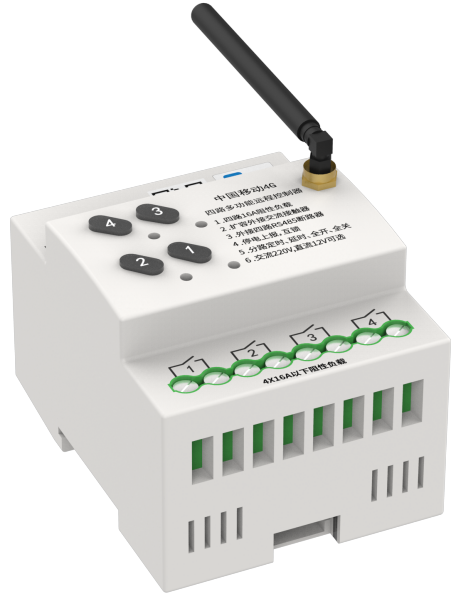
The order code



Product function

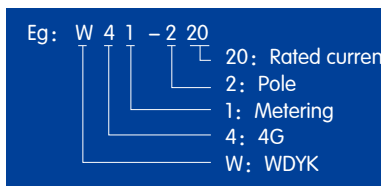


Product diagram



4G metering Micro circuit breaker

The order code: W41



Product function

1. Remote open and close control	7. Current read	13. Temperature of the equipment	19. Total amount of reactive power in quadrant 4	25. Overvoltage threshold delay setting	31. Zero setting of electric quantity
2. Manual opening and closing	8. Voltage read	14. Total amount of current positive active power	20. Running status of the circuit breaker	26. Overvoltage threshold alarm and brake setting	
3. Overload protection	9. Active power read per phase	15. Total amount of current reverse active power	21. Set the overflow threshold	27. Undervoltage threshold setting	
4. Short circuit protection	10. Total active power read	16. Total amount of reactive power in quadrant 1	22. Overflow threshold delay setting	28. Undervoltage threshold delay setting	
5. Mechanical lock	11. Reactive power of each phase is read	17. Total amount of reactive power in quadrant 2	23. Overcurrent threshold alarm and switch setting	29. Undervoltage threshold alarm and brake setting	
6. LED light	12. Total reactive power read	18. Total amount of reactive power in quadrant 3	24. Set the overvoltage threshold	30. Modify address code	

Technical parameter

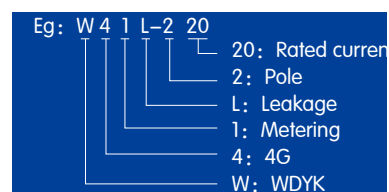
- Meet the standards: GB/T 10963.1、NB/T42149、IEC 60898-1
- Rated voltage: AC 220V (1P、2P) / AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 1P, 2P, 3P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 100A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: ≥10,000 times
- Electrical life: ≥6000 times
- Precision: Level 1
- Power consumption: ≤4.5W
- Voltage, resolution: 0.1V
- Current, resolution: 0.001A
- Voltage: 226.9V
- Current conversion ratio: 1
- Current: 0A
- Active power: 0kW
- Reactive power: 0kvar
- Temperature: 31°C
- Average value of the total active power within the last minute: 0kW
- Leakage current: 0.001A
- Total phase reactive power direction: forward direction
- Total active direction: forward direction
- Total positive active power: 2.55kWh
- Total amount of inverse active power: 2.55kWh
- Total reactive power Total power: 10.2kWh
- Total reactive power in quadrant 1: 2.55kWh
- Total reactive power in quadrant 2: 2.55kWh
- Total reactive power in quadrant 3: 2.55kWh
- Total reactive power in quadrant 4: 2.55kWh

Product diagram



4G metering Residual current Operated Circuit-breaker

The order code: W41L



Product function

1. Remote open and close control	7. Current read	13. Temperature of the equipment	19. Total amount of reactive power in quadrant 4	25. Overvoltage threshold delay setting	31. Zero setting of electric quantity
2. Manual opening and closing	8. Voltage read	14. Total amount of current positive active power	20. Running status of the circuit breaker	26. Overvoltage threshold alarm and brake setting	32. Current leakage current
3. Overload protection	9. Active power read per phase	15. Total amount of current reverse active power	21. Set the overflow threshold	27. Undervoltage threshold setting	33. Set the residual current threshold
4. Short circuit protection	10. Total active power read	16. Total amount of reactive power in quadrant 1	22. Overflow threshold delay setting	28. Undervoltage threshold delay setting	34. Residual current threshold delay setting
5. Mechanical lock	11. Reactive power of each phase is read	17. Total amount of reactive power in quadrant 2	23. Overcurrent threshold alarm and switch setting	29. Undervoltage threshold alarm and brake setting	35. Residual current threshold alarm and switch setting
6. LED light	12. Total reactive power read	18. Total amount of reactive power in quadrant 3	24. Set the overvoltage threshold	30. Modify address code	36. Leakage off function

Technical parameter

- Meet the standards: GB /T 10963.1 、NB/T42149、IEC 60898-1
- Rated voltage: AC 220V (1P、2P) /AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 1P, 2P, 3P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 100A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: ≥10,000 times
- Electrical life: ≥ 6000 times
- Precision: Level 1
- Power consumption: ≤4.5W
- Voltage, resolution: 0.1V
- Current, resolution: 0.001A
- Voltage: 226.9V
- Current conversion ratio: 1
- Current: 0A
- Active power: 0kW
- Reactive power: 0kvar
- Temperature: 31°C
- Average value of the total active power within the last minute: 0kW
- Leakage current: 0.001A
- Total phase reactive power direction: forward direction
- Total active direction: forward direction
- Total positive active power: 2.55kWh
- Total amount of inverse active power: 2.55kWh
- Total reactive power Total power: 10.2kWh
- Total reactive power in quadrant 1: 2.55kWh
- Total reactive power in quadrant 2: 2.55kWh
- Total reactive power in quadrant 3: 2.55kWh
- Total reactive power in quadrant 4: 2.55kWh
- Residual action current: 30mA、100mA
- Residual current operation time: ≤ 0.1s

Product diagram



WiFi metering Micro circuit breaker

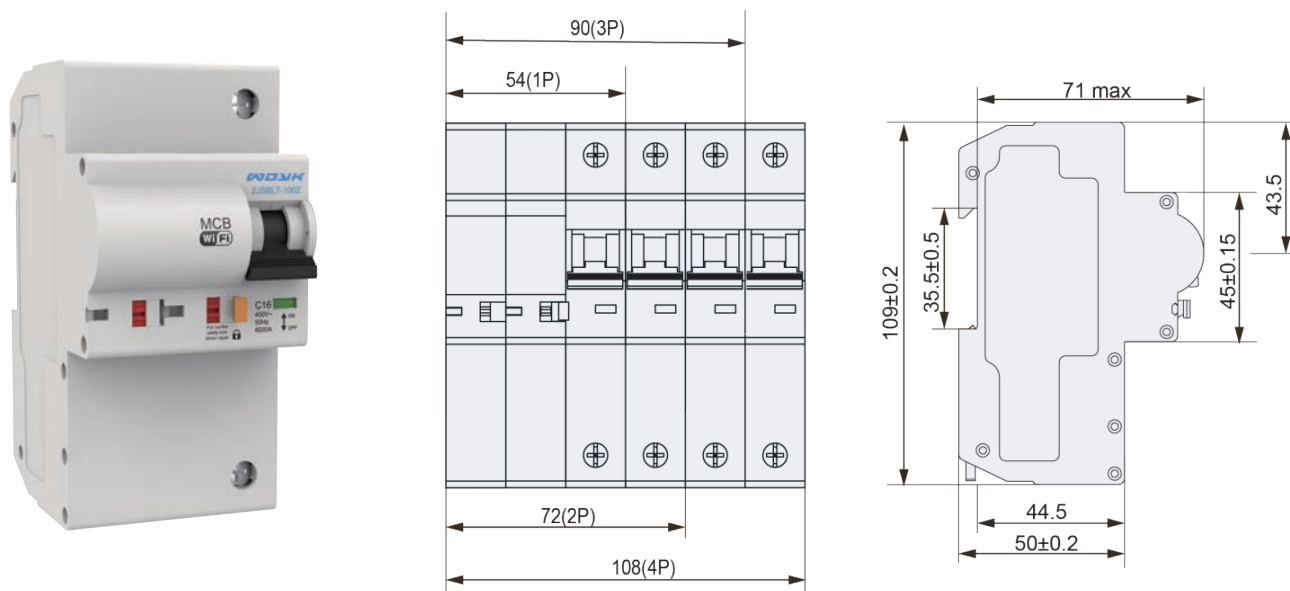
The order code: WW1

Eg: W W 1 - 2 20

- 20: Rated current
- 2: Pole
- 1: Metering
- W: WiFi
- W: WDK

Product function

1. Remote open and close control	7. Current read	13. Temperature of the equipment	19. Total amount of reactive power in quadrant 4	25. Overvoltage threshold delay setting	31. Zero setting of electric quantity
2. Manual opening and closing	8. Voltage read	14. Total amount of current positive active power	20. Running status of the circuit breaker	26. Overvoltage threshold alarm and brake setting	
3. Overload protection	9. Active power read per phase	15. Total amount of current reverse active power	21. Set the overflow threshold	27. Undervoltage threshold setting	
4. Short circuit protection	10. Total active power read	16. Total amount of reactive power in quadrant 1	22. Overflow threshold delay setting	28. Undervoltage threshold delay setting	
5. Mechanical lock	11. Reactive power of each phase is read	17. Total amount of reactive power in quadrant 2	23. Overcurrent threshold alarm and switch setting	29. Undervoltage threshold alarm and brake setting	
6. LED light	12. Total reactive power read	18. Total amount of reactive power in quadrant 3	24. Set the overvoltage threshold	30. Modify address code	



Product diagram



WiFi metering Micro circuit breaker

Technical parameter

- Meet the standards: GB /T 10963.1 、NB/T42149、IEC 60898-1
- Rated voltage: AC 220V (1P、2P) /AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 1P, 2P, 3P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 100A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: $\geq 10,000$ times
- Electrical life: ≥ 6000 times
- Precision: Level 1
- Power consumption: $\leq 4.5W$
- Voltage resolution: 0.1V
- Current resolution: 0.001A

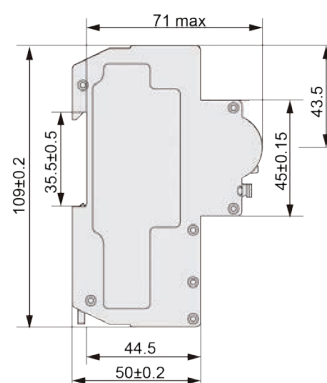
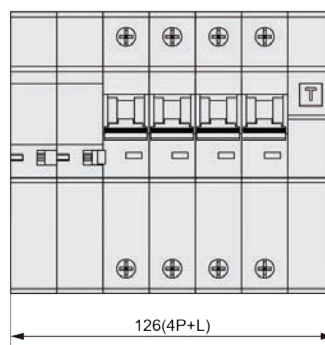
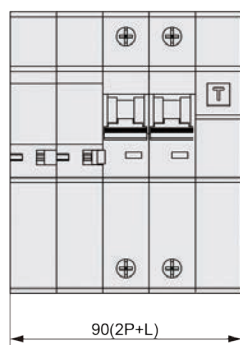
WiFi metering Residual current Operated Circuit-breaker

The order code: WWIL

Eg: W W 1 L-2 20
 20: Rated current
 2: Pole
 L: Leakage
 1: Metering
 W: WiFi
 W: WDYK

Product function

1. Remote open and close control	7. Current read	13. Temperature of the equipment	19. Total amount of reactive power in quadrant 4	25. Overvoltage threshold delay setting	31. Zero setting of electric quantity
2. Manual opening and closing	8. Voltage read	14. Total amount of current positive active power	20. Running status of the circuit breaker	26. Overvoltage threshold alarm and brake setting	32. Current leakage current
3. Overload protection	9. Active power read per phase	15. Total amount of current reverse active power	21. Set the overflow threshold	27. Undervoltage threshold setting	33. Set the residual current threshold
4. Short circuit protection	10. Total active power read	16. Total amount of reactive power in quadrant 1	22. Overflow threshold delay setting	28. Undervoltage threshold delay setting	34. Residual current threshold delay setting
5. Mechanical lock	11. Reactive power of each phase is read	17. Total amount of reactive power in quadrant 2	23. Overcurrent threshold alarm and switch setting	29. Undervoltage threshold alarm and brake setting	35. Residual current threshold alarm and switch setting
6. LED light	12. Total reactive power read	18. Total amount of reactive power in quadrant 3	24. Set the overvoltage threshold	30. Modify address code	36. Leakage off function



Product diagram



WiFi metering Residual current Operated Circuit-breaker

Technical parameter

- Meet the standards: GB /T 16917.1 、CQC 1149 、GB /T 16917.22
- Rated voltage: AC 220V (1P、2P) /AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 2P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 100A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: $\geq 10,000$ times
- Precision: Level 1
- Electrical life: ≥ 6000 times
- Power consumption: $\leq 4.5W$
- Residual action current: 30mA、100mA
- Residual current operation time: $\leq 0.1s$

- Voltage, resolution: 0.1V
- Current, resolution: 0.001A
- Voltage: 226.9V
- Current conversion ratio: 1
- Current: 0A
- Active power: 0kW
- Reactive power: 0kvar
- Temperature: 31°C
- Average value of the total active power within the last minute: 0kW
- Leakage current: 0.001A
- Total phase reactive power direction: forward direction
- Total active direction: forward direction

- Total positive active power: 2.55kWh
- Total amount of inverse active power: 2.55kWh
- Total reactive power Total power: 10.2kWh
- Total reactive power in quadrant 1: 2.55kWh
- Total reactive power in quadrant 2: 2.55kWh
- Total reactive power in quadrant 3: 2.55kWh
- Total reactive power in quadrant 4: 2.55kWh

Ethernet metering Micro circuit breaker

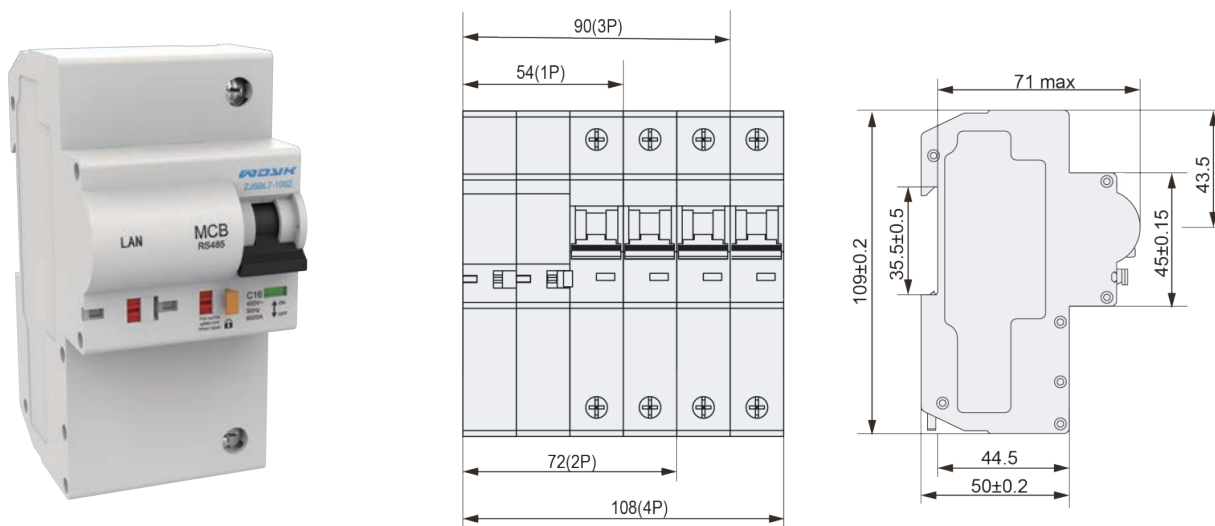
The order code: WRJ1

如: W RJ 1 - 2 20

- 20: Rated current
- 2: Pole
- 1: Metering
- RJ: RJ45
- W: WDK

Product function

1. Remote open and close control	7. Current read	13. Temperature of the equipment	19. Total amount of reactive power in quadrant 4	25. Overvoltage threshold delay setting	31. Zero setting of electric quantity
2. Manual opening and closing	8. Voltage read	14. Total amount of current positive active power	20. Running status of the circuit breaker	26. Overvoltage threshold alarm and brake setting	
3. Overload protection	9. Active power read per phase	15. Total amount of current reverse active power	21. Set the overflow threshold	27. Undervoltage threshold setting	
4. Short circuit protection	10. Total active power read	16. Total amount of reactive power in quadrant 1	22. Overflow threshold delay setting	28. Undervoltage threshold delay setting	
5. Mechanical lock	11. Reactive power of each phase is read	17. Total amount of reactive power in quadrant 2	23. Overcurrent threshold alarm and switch setting	29. Undervoltage threshold alarm and brake setting	
6. LED light	12. Total reactive power read	18. Total amount of reactive power in quadrant 3	24. Set the overvoltage threshold	30. Modify address code	



Product diagram



Ethernet metering Micro circuit breaker

Technical parameter

- Meet the standards: GB /T 10963.1 、NB/T42149、IEC 60898-1
- Rated voltage: AC 220V (1P、2P) /AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 1P, 2P, 3P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 100A
- Rated current: 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: $\geq 10,000$ times
- Electrical life: ≥ 6000 times
- Precision: Level 1
- Power consumption: $\leq 4.5W$

- Voltage, resolution: 0.1V
- Current, resolution: 0.001A
- Voltage: 226.9V
- Current conversion ratio: 1
- Current: 0A
- Active power: 0kW
- Reactive power: 0kvar
- Temperature: 31°C
- Average value of the total active power within the last minute: 0kW
- Leakage current: 0.001A
- Total phase reactive power direction: forward direction
- Total active direction: forward direction

- Total positive active power: 2.55kWh
- Total amount of inverse active power: 2.55kWh
- Total reactive power Total power: 10.2kWh
- Total reactive power in quadrant 1: 2.55kWh
- Total reactive power in quadrant 2: 2.55kWh
- Total reactive power in quadrant 3: 2.55kWh
- Total reactive power in quadrant 4: 2.55kWh



Ethernet metering Residual current
Operated circuit breaker

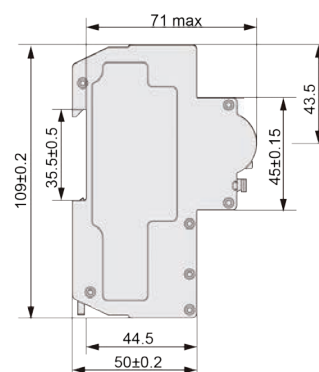
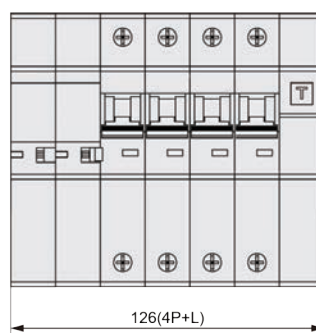
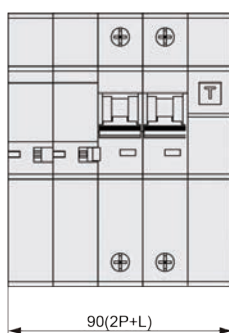
The order code: WRJ1L

Eg: W R J 1 L-2 20

20: Rated current
2: Pole
L: Leakage
1: Metering
RJ: RJ45
W: WDYK

Product function

1. Remote open and close control	7. Current read	13. Temperature of the equipment	19. Total amount of reactive power in quadrant 4	25. Overvoltage threshold delay setting	31. Zero setting of electric quantity
2. Manual opening and closing	8. Voltage read	14. Total amount of current positive active power	20. Running status of the circuit breaker	26. Overvoltage threshold alarm and brake setting	32. Current leakage current
3. Overload protection	9. Active power read per phase	15. Total amount of current reverse active power	21. Set the overflow threshold	27. Undervoltage threshold setting	33. Set the residual current threshold
4. Short circuit protection	10. Total active power read	16. Total amount of reactive power in quadrant 1	22. Overflow threshold delay setting	28. Undervoltage threshold delay setting	34. Residual current threshold delay setting
5. Mechanical lock	11. Reactive power of each phase is read	17. Total amount of reactive power in quadrant 2	23. Overcurrent threshold alarm and switch setting	29. Undervoltage threshold alarm and brake setting	35. Residual current threshold alarm and switch setting
6. LED light	12. Total reactive power read	18. Total amount of reactive power in quadrant 3	24. Set the overvoltage threshold	30. Modify address code	36. Leakage off function



Product diagram



Ethernet metering Residual current Operated circuit breaker

Technical parameter

- Meet the standards: GB /T 10963.1 、NB/T42149、IEC 60898-1
- Rated voltage: AC 220V (1P、2P) /AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 1P, 2P, 3P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 100A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: $\geq 10,000$ times
- Electrical life: ≥ 6000 times
- Precision: Level 1
- Power consumption: $\leq 4.5W$
- Voltage resolution: 0.1V
- Current resolution: 0.001A

- Voltage, resolution: 0.1V
- Current, resolution: 0.001A
- Voltage: 226.9V
- Current conversion ratio: 1
- Current: 0A
- Active power: 0kW
- Reactive power: 0kvar
- Temperature: 31°C
- Average value of the total active power within the last minute: 0kW
- Leakage current: 0.001A
- Total phase reactive power direction: forward direction
- Total active direction: forward direction

- Total positive active power: 2.55kWh
- Total amount of inverse active power: 2.55kWh
- Total reactive power Total power: 10.2kWh
- Total reactive power in quadrant 1: 2.55kWh
- Total reactive power in quadrant 2: 2.55kWh
- Total reactive power in quadrant 3: 2.55kWh
- Total reactive power in quadrant 4: 2.55kWh



NB metering Micro circuit breaker

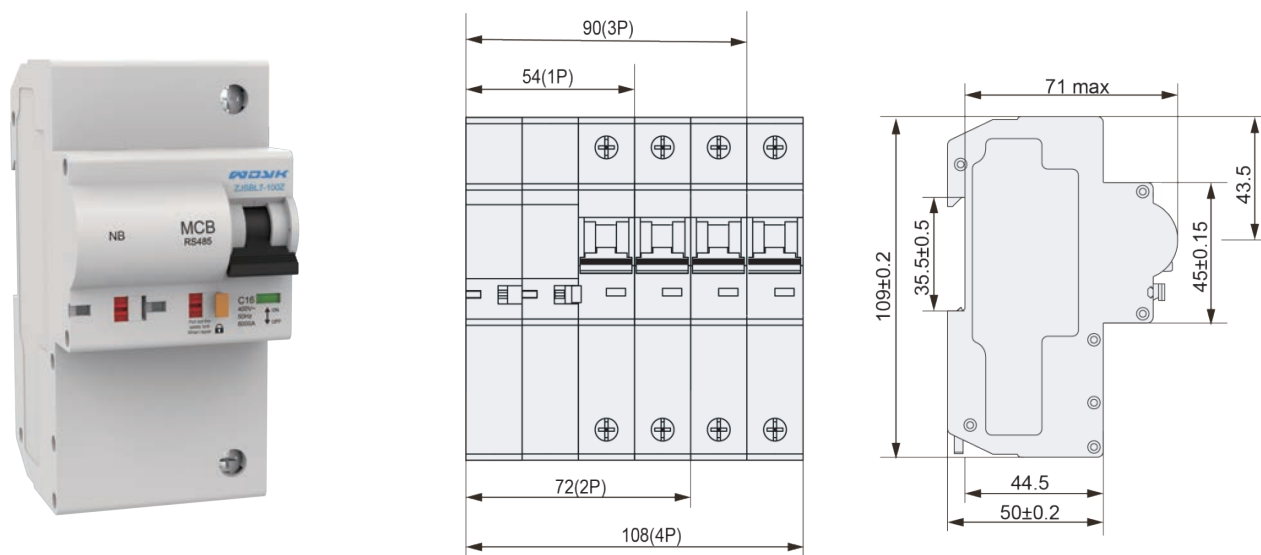
The order code: WN1

Eg: W N 1 - 2 20

20: Rated current
2: Pole
1: Metering
N: NB
W: WDYK

Product function

1. Remote open and close control	7. Current read	13. Temperature of the equipment	19. Total amount of reactive power in quadrant 4	25. Overvoltage threshold delay setting	31. Zero setting of electric quantity
2. Manual opening and closing	8. Voltage read	14. Total amount of current positive active power	20. Running status of the circuit breaker	26. Overvoltage threshold alarm and brake setting	
3. Overload protection	9. Active power read per phase	15. Total amount of current reverse active power	21. Set the overflow threshold	27. Undervoltage threshold setting	
4. Short circuit protection	10. Total active power read	16. Total amount of reactive power in quadrant 1	22. Overflow threshold delay setting	28. Undervoltage threshold delay setting	
5. Mechanical lock	11. Reactive power of each phase is read	17. Total amount of reactive power in quadrant 2	23. Overcurrent threshold alarm and switch setting	29. Undervoltage threshold alarm and brake setting	
6. LED light	12. Total reactive power read	18. Total amount of reactive power in quadrant 3	24. Set the overvoltage threshold	30. Modify address code	



Product diagram



NB metering Micro circuit breaker

Technical parameter

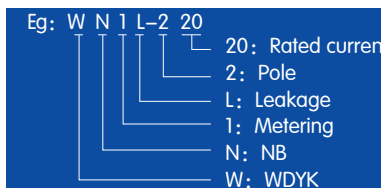
- Meet the standards: GB /T 10963.1 、NB/T42149、IEC 60898-1
- Rated voltage: AC 220V (1P、2P) /AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 1P, 2P, 3P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 100A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: $\geq 10,000$ times
- Electrical life: ≥ 6000 times
- Precision: Level 1
- Power consumption: $\leq 4.5W$

- Voltage, resolution: 0.1V
- Current, resolution: 0.001A
- Voltage: 226.9V
- Current conversion ratio: 1
- Current: 0A
- Active power: 0kW
- Reactive power: 0kvar
- Temperature: 31°C
- Average value of the total active power within the last minute: 0kW
- Leakage current: 0.001A
- Total phase reactive power direction: forward direction
- Total active direction: forward direction

- Total positive active power: 2.55kWh
- Total amount of inverse active power: 2.55kWh
- Total reactive power Total power: 10.2kWh
- Total reactive power in quadrant 1: 2.55kWh
- Total reactive power in quadrant 2: 2.55kWh
- Total reactive power in quadrant 3: 2.55kWh
- Total reactive power in quadrant 4: 2.55kWh

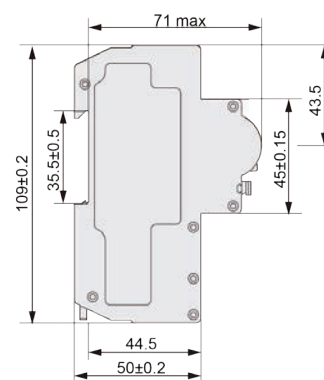
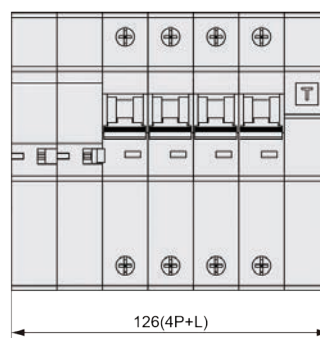
NB metering Residual current Operated Circuit-breaker

The order code: WNIL



Product function

1. Remote open and close control	7. Current read	13. Temperature of the equipment	19. Total amount of reactive power in quadrant 4	25. Overvoltage threshold delay setting	31. Zero setting of electric quantity
2. Manual opening and closing	8. Voltage read	14. Total amount of current positive active power	20. Running status of the circuit breaker	26. Overvoltage threshold alarm and brake setting	32. Current leakage current
3. Overload protection	9. Active power read per phase	15. Total amount of current reverse active power	21. Set the overflow threshold	27. Undervoltage threshold setting	33. Set the residual current threshold
4. Short circuit protection	10. Total active power read	16. Total amount of reactive power in quadrant 1	22. Overflow threshold delay setting	28. Undervoltage threshold delay setting	34. Residual current threshold delay setting
5. Mechanical lock	11. Reactive power of each phase is read	17. Total amount of reactive power in quadrant 2	23. Overcurrent threshold alarm and switch setting	29. Undervoltage threshold alarm and brake setting	35. Residual current threshold alarm and switch setting
6. LED light	12. Total reactive power read	18. Total amount of reactive power in quadrant 3	24. Set the overvoltage threshold	30. Modify address code	36. Leakage off function



Product diagram



NB metering Residual current Operated Circuit-breaker

Technical parameter

- Meet the standards: GB /T 16917.1 、CQC 1149 、GB /T 16917.22
- Rated voltage: AC 220V (1P、2P) /AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 2P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 100A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: $\geq 10,000$ times
- Precision: Level 1
- Electrical life: ≥ 6000 times
- Power consumption: $\leq 4.5W$
- Residual action current: 30mA、100mA
- Residual current operation time: $\leq 0.1s$

- Voltage, resolution: 0.1V
- Current, resolution: 0.001A
- Voltage: 226.9V
- Current conversion ratio: 1
- Current: 0A
- Active power: 0kW
- Reactive power: 0kvar
- Temperature: 31°C
- Average value of the total active power within the last minute: 0kW
- Leakage current: 0.001A
- Total phase reactive power direction: forward direction
- Total active direction: forward direction

- Total positive active power: 2.55kWh
- Total amount of inverse active power: 2.55kWh
- Total reactive power Total power: 10.2kWh
- Total reactive power in quadrant 1: 2.55kWh
- Total reactive power in quadrant 2: 2.55kWh
- Total reactive power in quadrant 3: 2.55kWh
- Total reactive power in quadrant 4: 2.55kWh

RS485 (MODBUS) metering Micro circuit breaker

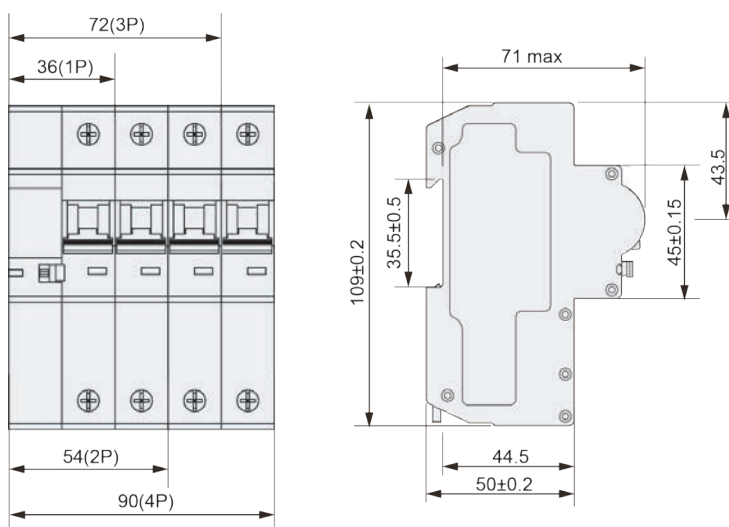
The order code: WRSM1

Eg: W RS M-2 20

20: Rated current
2: Pole
M: Modbus
RS: RS485
W: WDYK

Product function

1. Remote open and close control	7. Current read	13. Temperature of the equipment	19. Total amount of reactive power in quadrant 4	25. Overvoltage threshold delay setting	31. Zero setting of electric quantity
2. Manual opening and closing	8. Voltage read	14. Total amount of current positive active power	20. Running status of the circuit breaker	26. Overvoltage threshold alarm and brake setting	
3. Overload protection	9. Active power read per phase	15. Total amount of current reverse active power	21. Set the overflow threshold	27. Undervoltage threshold setting	
4. Short circuit protection	10. Total active power read	16. Total amount of reactive power in quadrant 1	22. Overflow threshold delay setting	28. Undervoltage threshold delay setting	
5. Mechanical lock	11. Reactive power of each phase is read	17. Total amount of reactive power in quadrant 2	23. Overcurrent threshold alarm and switch setting	29. Undervoltage threshold alarm and brake setting	
6. LED light	12. Total reactive power read	18. Total amount of reactive power in quadrant 3	24. Set the overvoltage threshold	30. Modify address code	



Product diagram



RS485 (MODBUS) metering Micro circuit breaker

Technical parameter

- Meet the standards: GB /T 10963.1 、NB/T42149、IEC 60898-1
- Rated voltage: AC 220V (1P、2P) /AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 1P, 2P, 3P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 100A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: $\geq 10,000$ times
- Electrical life: ≥ 6000 times
- Precision: Level 1
- Power consumption: $\leq 4.5W$

- Voltage, resolution: 0.1V
- Current, resolution: 0.001A
- Voltage: 226.9V
- Current conversion ratio: 1
- Current: 0A
- Active power: 0kW
- Reactive power: 0kvar
- Temperature: 31°C
- Average value of the total active power within the last minute: 0kW
- Leakage current: 0.001A
- Total phase reactive power direction: forward direction
- Total active direction: forward direction

- Total positive active power: 2.55kWh
- Total amount of inverse active power: 2.55kWh
- Total reactive power Total power: 10.2kWh
- Total reactive power in quadrant 1: 2.55kWh
- Total reactive power in quadrant 2: 2.55kWh
- Total reactive power in quadrant 3: 2.55kWh
- Total reactive power in quadrant 4: 2.55kWh

RS485 (MODBUS) metering Residual current Operated circuit breaker

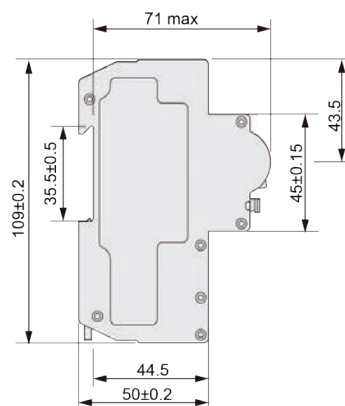
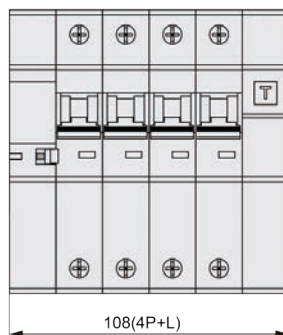
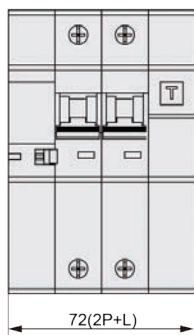
The order code: WRSMTL

Eg: W R S M 1 L-2 20

- 20: Rated current
- 2: Pole
- L: Leakage
- 1: Metering
- M: Modbus
- RS: RS485
- W: WDYK

Product function

1. Remote open and close control	7. Current read	13. Temperature of the equipment	19. Total amount of reactive power in quadrant 4	25. Overvoltage threshold delay setting	31. Zero setting of electric quantity
2. Manual opening and closing	8. Voltage read	14. Total amount of current positive active power	20. Running status of the circuit breaker	26. Overvoltage threshold alarm and brake setting	32. Current leakage current
3. Overload protection	9. Active power read per phase	15. Total amount of current reverse active power	21. Set the overflow threshold	27. Undervoltage threshold setting	33. Set the residual current threshold
4. Short circuit protection	10. Total active power read	16. Total amount of reactive power in quadrant 1	22. Overflow threshold delay setting	28. Undervoltage threshold delay setting	34. Residual current threshold delay setting
5. Mechanical lock	11. Reactive power of each phase is read	17. Total amount of reactive power in quadrant 2	23. Overcurrent threshold alarm and switch setting	29. Undervoltage threshold alarm and brake setting	35. Residual current threshold alarm and switch setting
6. LED light	12. Total reactive power read	18. Total amount of reactive power in quadrant 3	24. Set the overvoltage threshold	30. Modify address code	36. Leakage off function



Product diagram



RS485 (MODBUS) metering Residual current Operated circuit breaker

Technical parameter

- Meet the standards: GB /T 16917.1 、CQC 1149 、GB /T 16917.22
- Rated voltage: AC 220V (1P、2P) /AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 2P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 100A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: $\geq 10,000$ times
- Precision: Level 1
- Electrical life: ≥ 6000 times
- Power consumption: $\leq 2W$
- Residual action current: 30mA、100mA
- Residual current operation time: $\leq 0.1s$
- Voltage, resolution: 0.1V
- Current, resolution: 0.001A
- Voltage: 226.9V
- Current conversion ratio: 1
- Current: 0A
- Active power: 0kW
- Reactive power: 0kvar
- Temperature: 31°C
- Average value of the total active power within the last minute: 0kW
- Leakage current: 0.001A
- Total phase reactive power direction: forward direction
- Total active direction: forward direction
- Total positive active power: 2.55kWh
- Total amount of inverse active power: 2.55kWh
- Total reactive power Total power: 10.2kWh
- Total reactive power in quadrant 1: 2.55kWh
- Total reactive power in quadrant 2: 2.55kWh
- Total reactive power in quadrant 3: 2.55kWh
- Total reactive power in quadrant 4: 2.55kWh

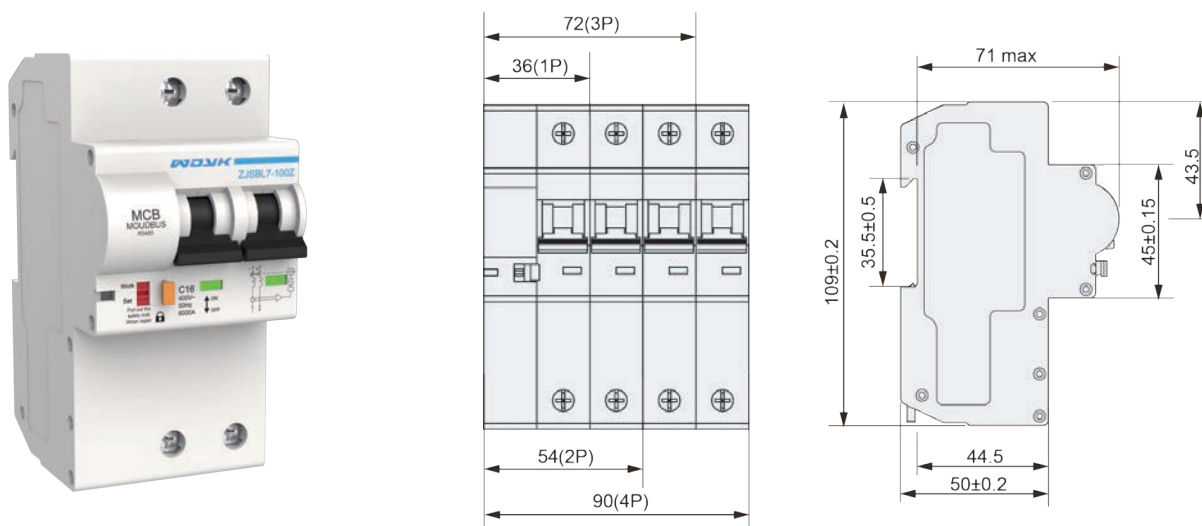
RS485 (self) metering Micro circuit breaker

The order code: WRSZ1

Eg: W	RS	Z	1-2	20
W: WDYK	RS: RS485	Z: self	1: Metering	2: Pole
				20: Rated current

Product function

1. Remote open and close control	7. Current read	13. Temperature of the equipment	19. Total amount of reactive power in quadrant 4	25. Overvoltage threshold delay setting	31. Zero setting of electric quantity
2. Manual opening and closing	8. Voltage read	14. Total amount of current positive active power	20. Running status of the circuit breaker	26. Overvoltage threshold alarm and brake setting	
3. Overload protection	9. Active power read per phase	15. Total amount of current reverse active power	21. Set the overflow threshold	27. Undervoltage threshold setting	
4. Short circuit protection	10. Total active power read	16. Total amount of reactive power in quadrant 1	22. Overflow threshold delay setting	28. Undervoltage threshold delay setting	
5. Mechanical lock	11. Reactive power of each phase is read	17. Total amount of reactive power in quadrant 2	23. Overcurrent threshold alarm and switch setting	29. Undervoltage threshold alarm and brake setting	
6. LED light	12. Total reactive power read	18. Total amount of reactive power in quadrant 3	24. Set the overvoltage threshold	30. Modify address code	



Product diagram



RS485 (self) metering Micro circuit breaker

Technical parameter

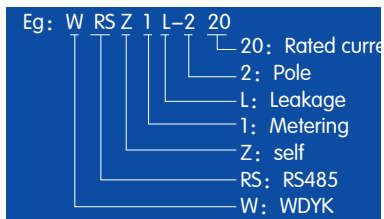
- Meet the standards: GB /T 10963.1 、NB/T42149、IEC 60898-1
- Rated voltage: AC 220V (1P、2P) /AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 1P, 2P, 3P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 100A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: $\geq 10,000$ times
- Electrical life: ≥ 6000 times
- Precision: Level 1
- Power consumption: $\leq 2W$

- Voltage, resolution: 0.1V
- Current, resolution: 0.001A
- Voltage: 226.9V
- Current conversion ratio: 1
- Current: 0A
- Active power: 0kW
- Reactive power: 0kvar
- Temperature: 31°C
- Average value of the total active power within the last minute: 0kW
- Leakage current: 0.001A
- Total phase reactive power direction: forward direction
- Total active direction: forward direction

- Total positive active power: 2.55kWh
- Total amount of inverse active power: 2.55kWh
- Total reactive power Total power: 10.2kWh
- Total reactive power in quadrant 1: 2.55kWh
- Total reactive power in quadrant 2: 2.55kWh
- Total reactive power in quadrant 3: 2.55kWh
- Total reactive power in quadrant 4: 2.55kWh

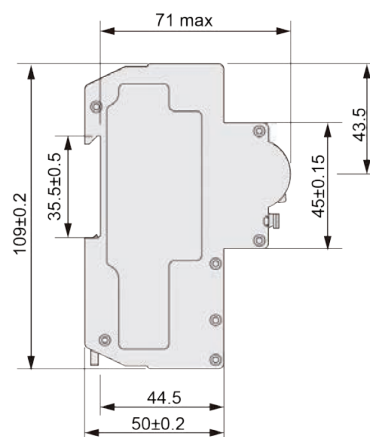
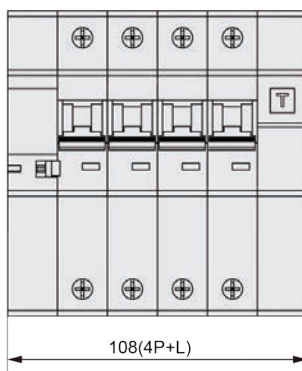
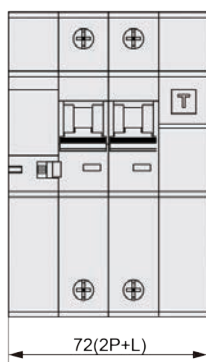
RS485 (custom) metering Residual current Operated Circuit-breaker

The order code: WRSZ1



Product function

1. Remote open and close control	7. Current read	13. Temperature of the equipment	19. Total amount of reactive power in quadrant 4	25. Overvoltage threshold delay setting	31. Zero setting of electric quantity
2. Manual opening and closing	8. Voltage read	14. Total amount of current positive active power	20. Running status of the circuit breaker	26. Overvoltage threshold alarm and brake setting	32. Current leakage current
3. Overload protection	9. Active power read per phase	15. Total amount of current reverse active power	21. Set the overflow threshold	27. Undervoltage threshold setting	33. Set the residual current threshold
4. Short circuit protection	10. Total active power read	16. Total amount of reactive power in quadrant 1	22. Overflow threshold delay setting	28. Undervoltage threshold delay setting	34. Residual current threshold delay setting
5. Mechanical lock	11. Reactive power of each phase is read	17. Total amount of reactive power in quadrant 2	23. Overcurrent threshold alarm and switch setting	29. Undervoltage threshold alarm and brake setting	35. Residual current threshold alarm and switch setting
6. LED light	12. Total reactive power read	18. Total amount of reactive power in quadrant 3	24. Set the overvoltage threshold	30. Modify address code	36. Leakage off function



Product diagram



RS485 (custom) metering Residual current Operated Circuit-breaker

Technical parameter

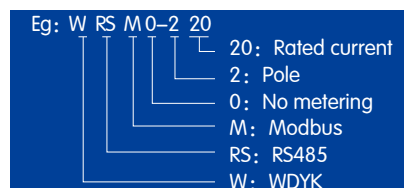
- Meet the standards: GB /T 16917.1 、CQC 1149 、GB /T 16917.22
- Rated voltage: AC 220V (1P、2P) /AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 2P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 100A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: $\geq 10,000$ times
- Precision: Level 1
- Electrical life: ≥ 6000 times
- Power consumption: $\leq 2W$
- Residual action current: 30mA、100mA
- Residual current operation time: $\leq 0.1s$

- Voltage, resolution: 0.1V
- Current, resolution: 0.001A
- Voltage: 226.9V
- Current conversion ratio: 1
- Current: 0A
- Active power: 0kW
- Reactive power: 0kvar
- Temperature: 31°C
- Average value of the total active power within the last minute: 0kW
- Leakage current: 0.001A
- Total phase reactive power direction: forward direction
- Total active direction: forward direction

- Total positive active power: 2.55kWh
- Total amount of inverse active power: 2.55kWh
- Total reactive power Total power: 10.2kWh
- Total reactive power in quadrant 1: 2.55kWh
- Total reactive power in quadrant 2: 2.55kWh
- Total reactive power in quadrant 3: 2.55kWh
- Total reactive power in quadrant 4: 2.55kWh

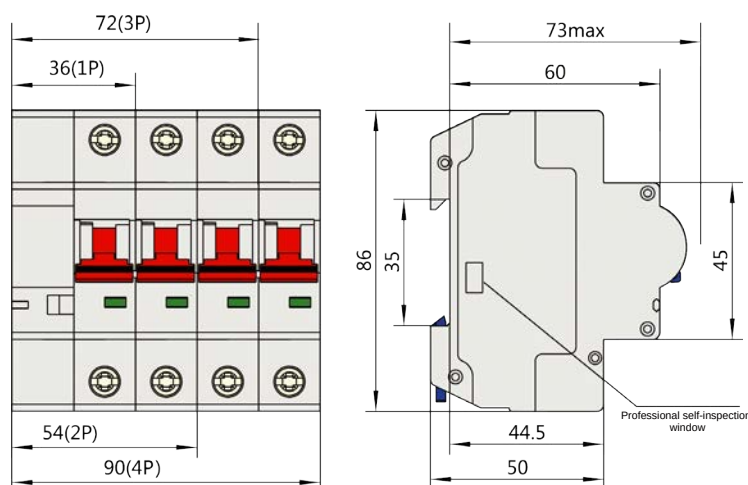
RS485 (MODBUS) Micro circuit breaker

The order code: WRSM0



Product function

1. Remote open and close control	3. Overload protection	5. Mechanical lock
2. Manual opening and closing	4. Short circuit protection	6. LED light



Technical parameter

- Meet the standards: GB/T 10963.1、NB/T42149、IEC 60898-1
- Rated voltage: AC 220V (1P、2P) / AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 1P, 2P, 3P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 125A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A、125A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: more than 10,000 times
- Electrical life: more than 6000 times
- Power consumption: $\leq 0.9W$

Product diagram



RS485 (Non-metering) Residual current Operated Circuit breaker

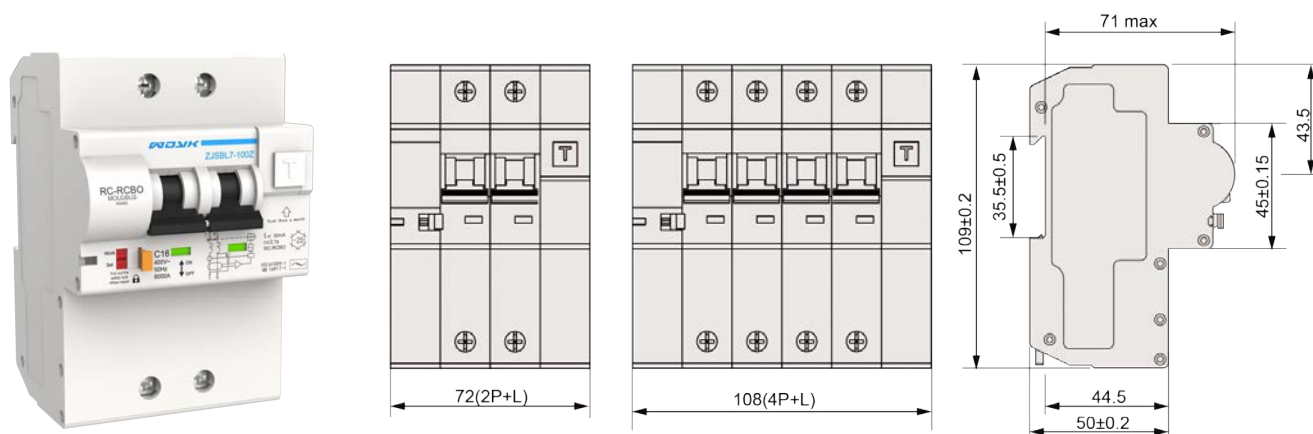
The order code: WRSM0L

Eg: W R S M 0 L-2 20

W	R	S	M	0	L-2	20
W	RS	M	0	L	2	20
						20: Rated current
						2: Pole
						L: Leakage
						0: No metering
						M: Modbus
						RS: RS485
						W: WDYK

Product function

1. Remote open and close control	3. Overload protection	5. Mechanical lock	7. Electric leakage protection
2. Manual opening and closing	4. Short circuit protection	6. LED light	8. Leakage off function



Technical parameter

- Meet the standards: GB /T 16917.1 、CQC 1149 、GB /T 16917.22
- Rated voltage: AC 220V (1P、2P) /AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 2P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 100A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: ≥10,000 times
- Electrical life: ≥ 6000 times
- Power consumption: ≤0.9W
- Residual action current: 30mA、100mA
- Residual current operation time: ≤0.1s

Product diagram



RS485 (self) Micro circuit breaker

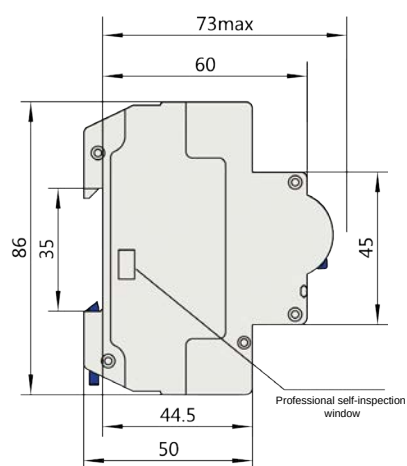
The order code: WRSZ0

Eg: W RS Z 0-2 20

20: Rated current
2: Pole
0: No metering
Z: Self
RS: RS485
W: WDYK

Product function

1. Remote open and close control	3. Overload protection	5. Mechanical lock
2. Manual opening and closing	4. Short circuit protection	6. LED light



Technical parameter

- Meet the standards: GB/T 10963.1、NB/T42149、IEC 60898-1
- Rated voltage: AC 220V (1P、2P) / AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 1P, 2P, 3P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 125A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A、125A、
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: more than 10,000 times
- Electrical life: more than 6000 times
- Power consumption: $\leq 0.9W$

Product diagram



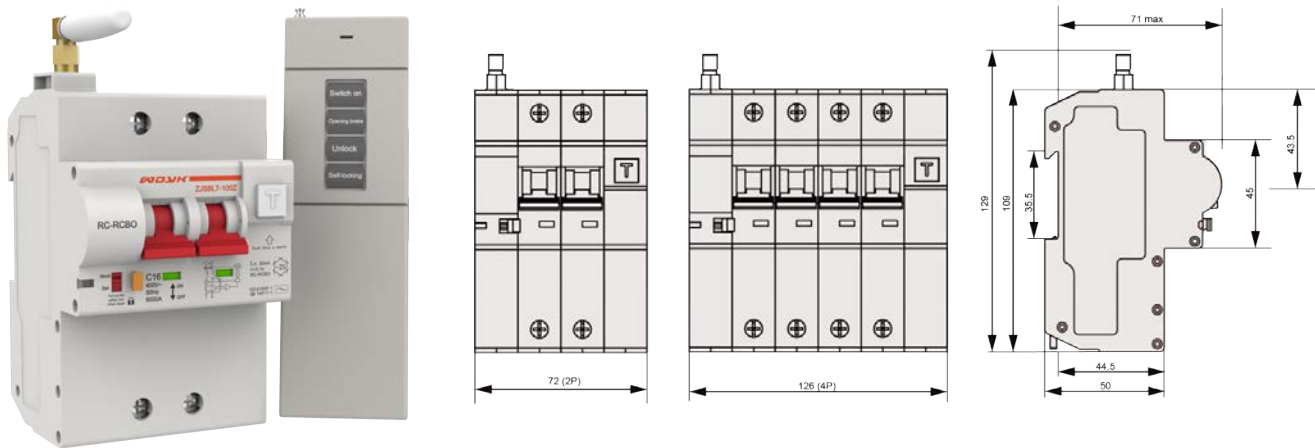
RF433 Remote control Residual current Operated circuit-breaker

The order code: WYK0L

Eg: W YK 0 L-2 20	
W	20: Rated current
YK	2: Pole
0	L: Leakage
L	0: No metering
-2	YK: Remote control
20	W: WDYK

Product function

1. Remote open and close control	3. Overload protection	5. Mechanical lock	7. Electric leakage protection
2. Manual opening and closing	4. Short circuit protection	6. LED light	8. Leakage off function



Technical parameter

- Meet the standards: GB /T 16917.1 、CQC 1149 、GB /T 16917.22
- Rated voltage: AC 220V (1P、2P) /AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 2P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 100A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: ≥10,000 times
- Electrical life: ≥ 6000 times
- Power consumption: ≤0.9W
- Residual action current: 30mA、100mA
- Residual current operation time: ≤0.1s

Product diagram



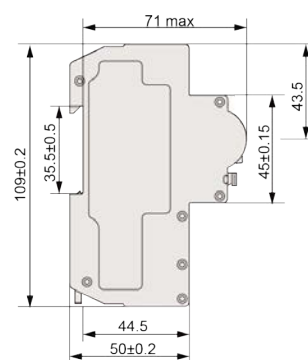
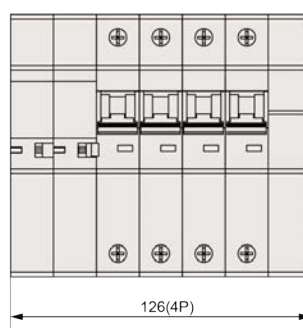
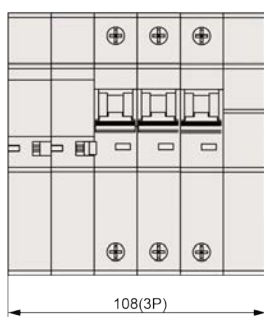
DC metering Micro circuit breaker

The order code: WDRS

Eg: W D RS-2 20
 20: Rated current
 2: Poles
 R: RS485
 D: DC
 W: WDYK

Product function

1. Remote open and close control	4. Short circuit protection	7. Current read	10. Voltage threshold	13.RS485
2. Manual opening and closing	5. Mechanical lock	8. Voltage read	11. Current threshold	
3. Overload protection	6.LED light	9. Frequency detection	12. Frequency threshold	



Product diagram



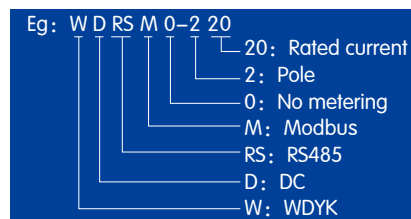
DC metering Micro circuit breaker

Technical parameter

- Meet the standards: GB /T 10963.1、IEC 60898-2
- Rated voltage:DC12V-DC72V
- Number of poles: 2P, 4P;
- Specified operating temperature:-25°C~+65°C
- Frame rated current:100A
- Rated current:10A、16A、20A、25A、32A、40A、50A、63A、80A、100A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: more than 10,000 times
- Electrical life: more than 6000 times

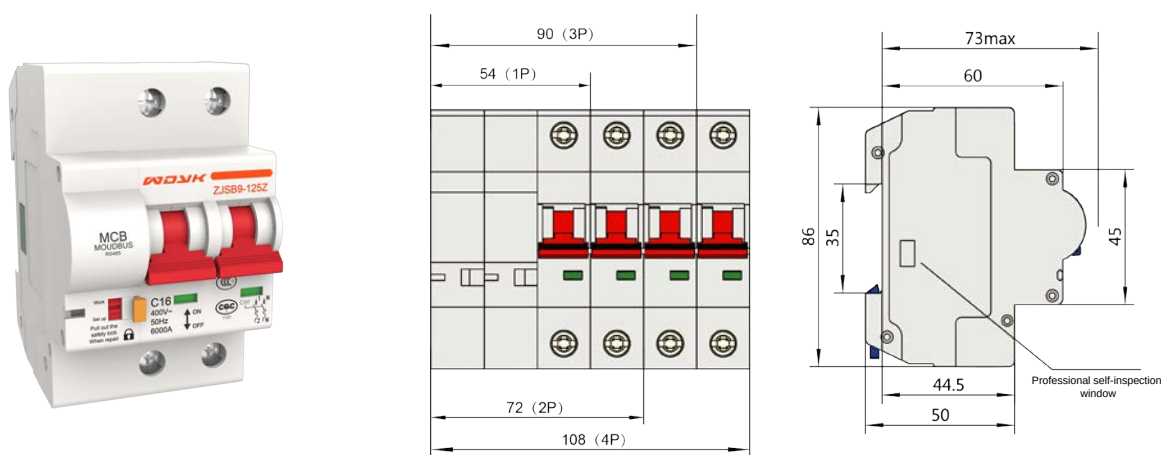
RS485(Modbus)DC Micro circuit breaker

The order code: WDRSM0



Product function

1. Remote open and close control	3. Overload protection	5. Mechanical lock
2. Manual opening and closing	4. Short circuit protection	6. LED light



Technical parameter

- Meet the standards: GB /T 10963.2、IEC 60898-2
- Rated voltage: DC12V-DC72V
- Number of poles: 1P, 2P, 3P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 125A
- Rated current: 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A, 125A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: more than 10,000 times
- Electrical life: more than 2000 times
- Power consumption: ≤4.5W

Product diagram



RF433 Remote control Micro circuit breaker

The order code: WYK0

Eg: W Y K 0 - 2 20

W

Y

K

0

-

2

20

20: Rated current

2: Pole

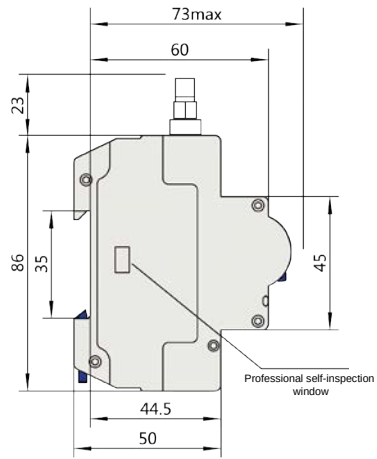
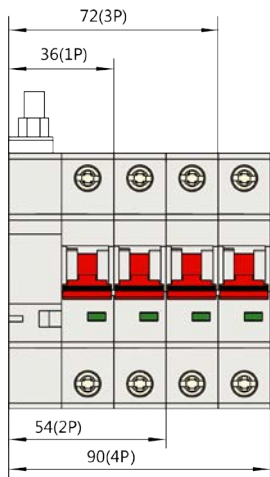
0: No metering

YK: Remote control

W: WDYK

Product function

1. Remote open and close control	3. Overload protection	5. Mechanical lock
2. Manual opening and closing	4. Short circuit protection	6. LED light



Technical parameter

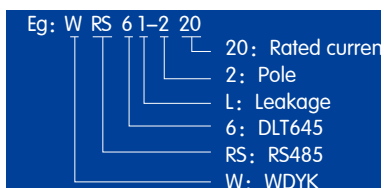
- Meet the standards: GB /T 10963.1、NB/T42149、IEC 60898-1
- Rated voltage: AC 220V (1P、2P) /AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 1P, 2P, 3P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 125A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A、125A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: more than 10,000 times
- Electrical life: more than 6000 times
- Power consumption: ≤0.9W

Product diagram



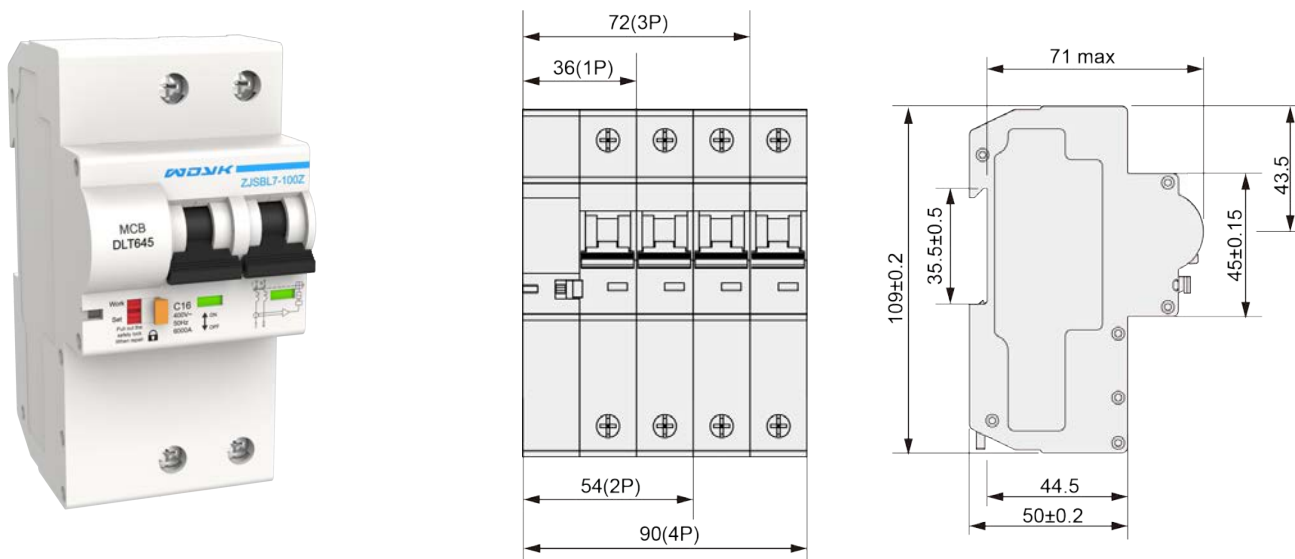
RS485 (DL/T645) metering Micro circuit breaker

The order code: WRS61



Product function

1. Remote open and close control	7. Current read	13. Temperature of the equipment	19. Total amount of reactive power in quadrant 4	25. Overvoltage threshold delay setting	31. Zero setting of electric quantity
2. Manual opening and closing	8. Voltage read	14. Total amount of current positive active power	20. Running status of the circuit breaker	26. Overvoltage threshold alarm and brake setting	
3. Overload protection	9. Active power read per phase	15. Total amount of current reverse active power	21. Set the overflow threshold	27. Undervoltage threshold setting	
4. Short circuit protection	10. Total active power read	16. Total amount of reactive power in quadrant 1	22. Overflow threshold delay setting	28. Undervoltage threshold delay setting	
5. Mechanical lock	11. Reactive power of each phase is read	17. Total amount of reactive power in quadrant 2	23. Overcurrent threshold alarm and switch setting	29. Undervoltage threshold alarm and brake setting	
6. LED light	12. Total reactive power read	18. Total amount of reactive power in quadrant 3	24. Set the overvoltage threshold	30. Modify address code	



Product diagram



RS485 (DL/T645) metering Micro circuit breaker

Technical parameter

- Meet the standards: GB /T 10963.1 、NB/T42149、IEC 60898-1
- Rated voltage: AC 220V (1P、2P) /AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 1P, 2P, 3P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 100A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: $\geq 10,000$ times
- Electrical life: ≥ 6000 times
- Precision: Level 1
- Power consumption: $\leq 2W$

- Voltage, resolution: 0.1V
- Current, resolution: 0.001A
- Voltage: 226.9V
- Current conversion ratio: 1
- Current: 0A
- Active power: 0kW
- Reactive power: 0kvar
- Temperature: 31°C
- Average value of the total active power within the last minute: 0kW
- Leakage current: 0.001A
- Total phase reactive power direction: forward direction
- Total active direction: forward direction

- Total positive active power: 2.55kWh
- Total amount of inverse active power: 2.55kWh
- Total reactive power Total power: 10.2kWh
- Total reactive power in quadrant 1: 2.55kWh
- Total reactive power in quadrant 2: 2.55kWh
- Total reactive power in quadrant 3: 2.55kWh
- Total reactive power in quadrant 4: 2.55kWh

RS485 (DL/T645) metering Residual Current Operated Circuit-breaker

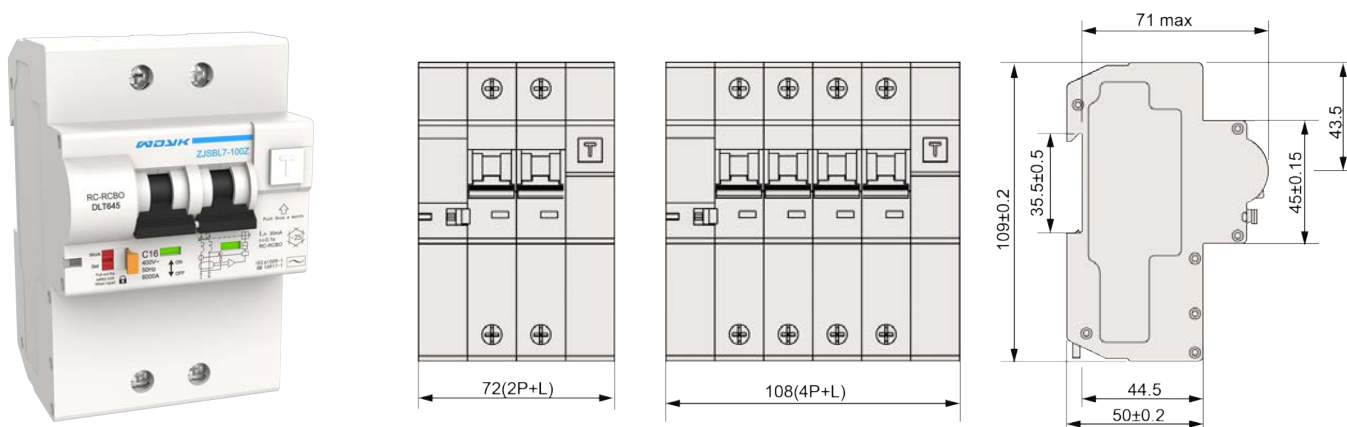
The order code: WRS61L

Eg: W RS 6 1 L-2 20

- 20: Rated current
- 2: Pole
- L: Leakage
- 1: Metering
- 6: DLT645
- RS: RS485
- W: WDYK

Product function

1. Remote open and close control	7. Current read	13. Temperature of the equipment	19. Total amount of reactive power in quadrant 4	25. Overvoltage threshold delay setting	31. Zero setting of electric quantity
2. Manual opening and closing	8. Voltage read	14. Total amount of current positive active power	20. Running status of the circuit breaker	26. Overvoltage threshold alarm and brake setting	32. Current leakage current
3. Overload protection	9. Active power read per phase	15. Total amount of current reverse active power	21. Set the overflow threshold	27. Undervoltage threshold setting	33. Set the residual current threshold
4. Short circuit protection	10. Total active power read	16. Total amount of reactive power in quadrant 1	22. Overflow threshold delay setting	28. Undervoltage threshold delay setting	34. Residual current threshold delay setting
5. Mechanical lock	11. Reactive power of each phase is read	17. Total amount of reactive power in quadrant 2	23. Overcurrent threshold alarm and switch setting	29. Undervoltage threshold alarm and brake setting	35. Residual current threshold alarm and switch setting
6. LED light	12. Total reactive power read	18. Total amount of reactive power in quadrant 3	24. Set the overvoltage threshold	30. Modify address code	36. Leakage off function



Product diagram



Micro break cloud control RS485 (DL645) metering circuit breaker

Technical parameter

- Meet the standards: GB /T 10963.1 、NB/T42149、IEC 60898-1
- Rated voltage: AC 220V (1P、2P) /AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 2P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 100A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: $\geq 10,000$ times
- Electrical life: ≥ 6000 times
- Precision: Level 1
- Power consumption: $\leq 2W$

- Voltage, resolution: 0.1V
- Current, resolution: 0.001A
- Voltage: 226.9V
- Current conversion ratio: 1
- Current: 0A
- Active power: 0kW
- Reactive power: 0kvar
- Temperature: 31°C
- Average value of the total active power within the last minute: 0kW
- Leakage current: 0.001A
- Total phase reactive power direction: forward direction
- Total active direction: forward direction

- Total positive active power: 2.55kWh
- Total amount of inverse active power: 2.55kWh
- Total reactive power Total power: 10.2kWh
- Total reactive power in quadrant 1: 2.55kWh
- Total reactive power in quadrant 2: 2.55kWh
- Total reactive power in quadrant 3: 2.55kWh
- Total reactive power in quadrant 4: 2.55kWh

RS485 Voltage acquisition Micro circuit breaker

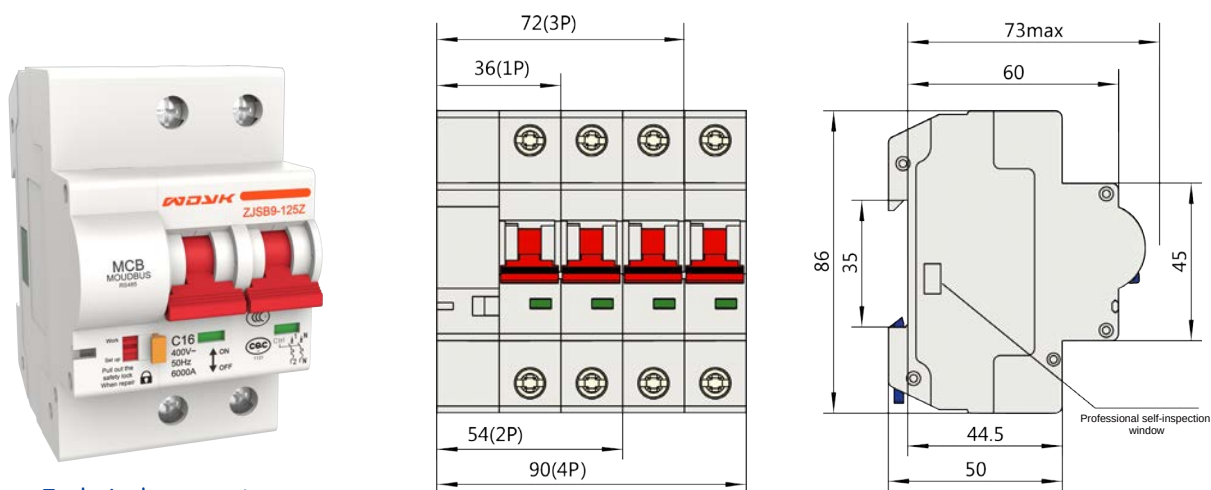
The order code: WRSV0

Eg: W RS V 0-2 20

20: Rated current
2: Pole
0: No metering
V: Voltage grade
RS: RS485
W: WDYK

Product function

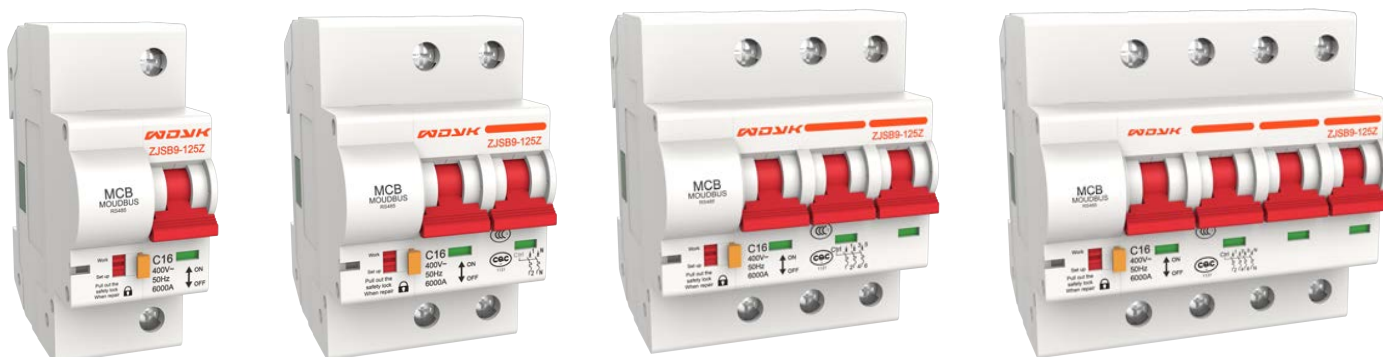
1. Remote open and close control	3. Overload protection	5. Mechanical lock	7. Voltage acquisition
2. Manual opening and closing	4. Short circuit protection	6. LED light	



Technical parameter

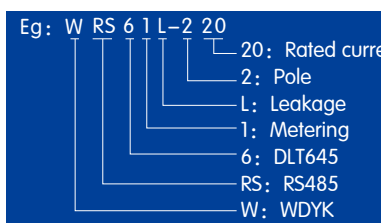
- Meet the standards: GB/T 10963.1、NB/T42149、IEC 60898-1
- Rated voltage: AC 220V (1P、2P) / AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 1P, 2P, 3P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 125A
- Rated current: 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A, 125A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: more than 10,000 times
- Electrical life: more than 6000 times
- Power consumption: $\leq 1.8W$

Product diagram



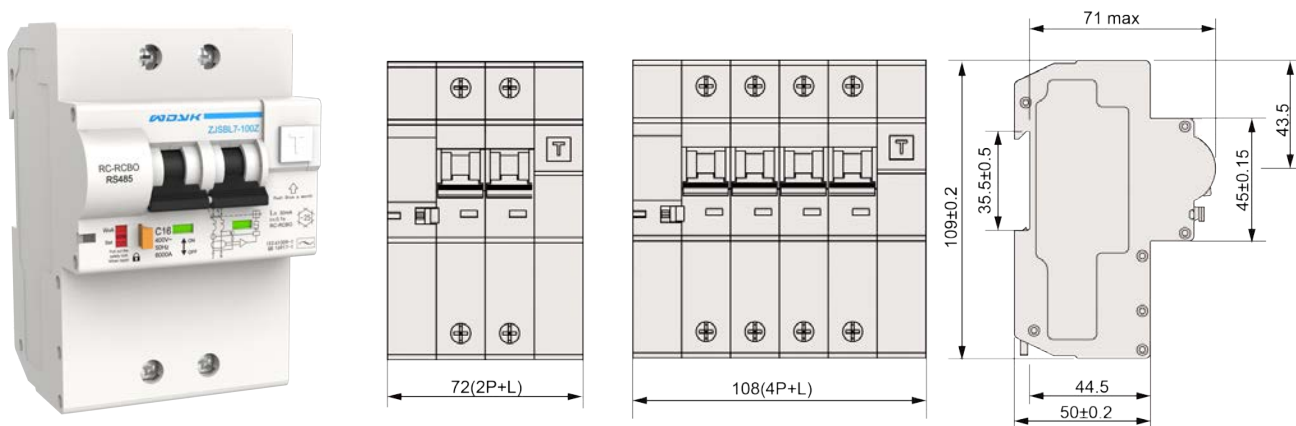
RS485 Voltage acquisition Residual current Operated Circuit-breaker

The order code: WRS61L



Product function

1. Remote open and close control	3. Overload protection	5. Mechanical lock	7. Electric leakage protection	9. Leakage off function
2. Manual opening and closing	4. Short circuit protection	6. LED light	8. Voltage acquisition	



Technical parameter

- Meet the standards: GB/T 16917.1 、CQC 1149 、GB/T 16917.22
- Rated voltage: AC 220V (1P、2P) / AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 2P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 100A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: ≥10,000 times
- Electrical life: ≥ 6000 times
- Power consumption: ≤1.8/W
- Residual action current: 30mA、100mA
- Residual current operation time: ≤0.1s

Product diagram



Switch value control Micro circuit breaker

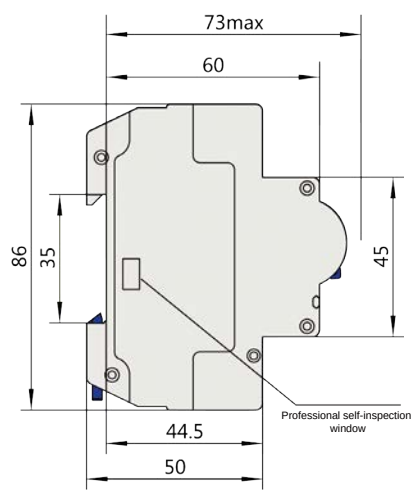
The order code: WX0

Eg: W X 0 -2 20

20: Rated current
2: Pole
0: No metering
X: drive-by-wire
W: WDK

Product function

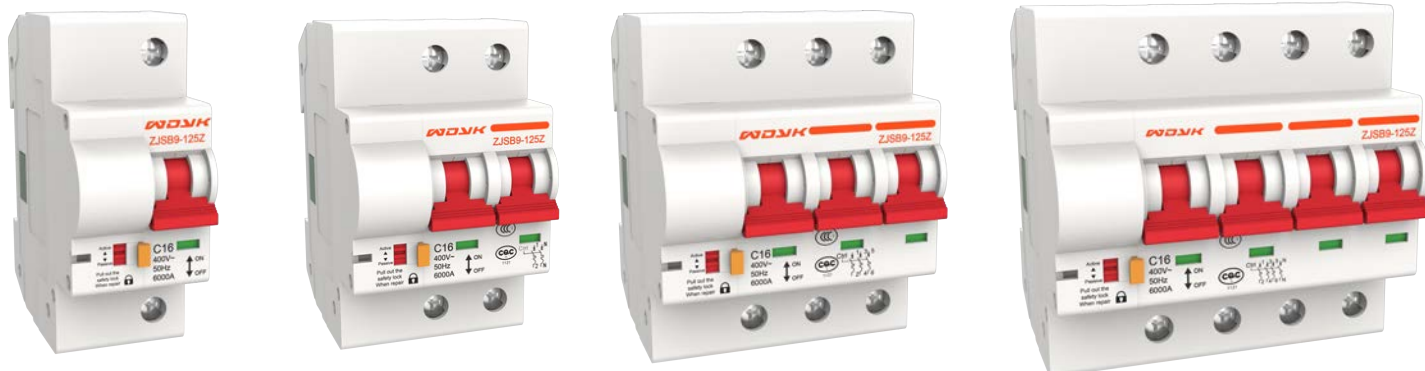
1. Remote open and close control	3. Overload protection	5. Mechanical lock	7. Active passive
2. Manual opening and closing	4. Short circuit protection	6. LED light	



Technical parameter

- Meet the standards: GB/T 10963.1、NB/T42149、IEC 60898-1
- Rated voltage: AC 220V (1P、2P) / AC 400V (3P、4P)
- Positive/negative logic can be customized
- Rated frequency: 50Hz/60Hz
- Number of poles: 1P, 2P, 3P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 125A
- Rated current: 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A, 125A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: more than 10,000 times
- Electrical life: more than 6000 times
- Power consumption: ≤0.9W

Product diagram



RS485 (Charge) metering Micro circuit breaker

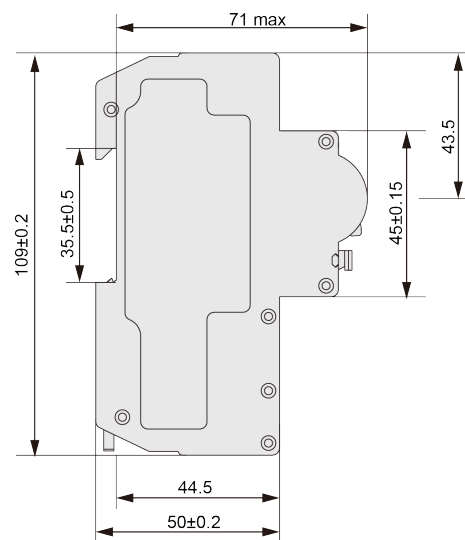
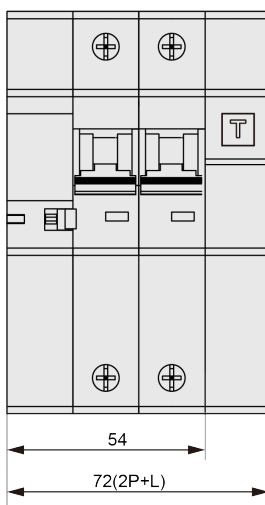
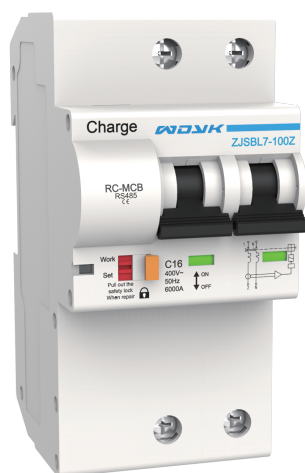
The order code: CRSM1

Eg: C RSM1-2 20

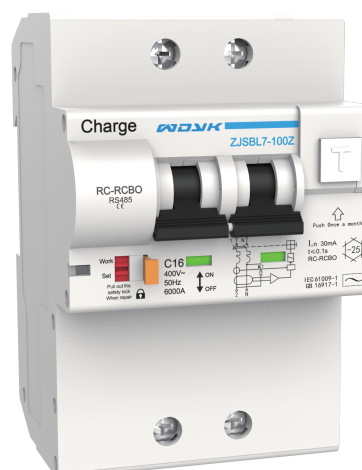
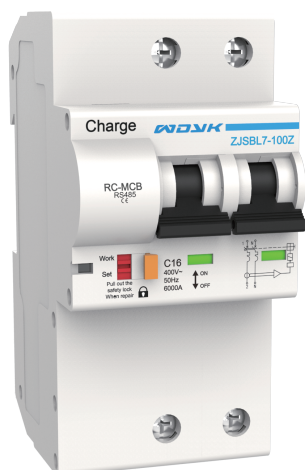
20: Rated current
2: Pole
1: Metering
M: Modbus
RS: RS485
C: Charing

Product function

1. Remote open and close control	7. Current read	13. Temperature of the equipment	19. Total amount of reactive power in quadrant 4	25. Overvoltage threshold delay setting	31. Zero setting of electric quantity
2. Manual opening and closing	8. Voltage read	14. Total amount of current positive active power	20. Running status of the circuit breaker	26. Overvoltage threshold alarm and brake setting	
3. Overload protection	9. Active power read per phase	15. Total amount of current reverse active power	21. Set the overflow threshold	27. Undervoltage threshold setting	
4. Short circuit protection	10. Total active power read	16. Total amount of reactive power in quadrant 1	22. Overflow threshold delay setting	28. Undervoltage threshold delay setting	
5. Mechanical lock	11. Reactive power of each phase is read	17. Total amount of reactive power in quadrant 2	23. Overcurrent threshold alarm and switch setting	29. Undervoltage threshold alarm and brake setting	
6. LED light	12. Total reactive power read	18. Total amount of reactive power in quadrant 3	24. Set the overvoltage threshold	30. Modify address code	



Product diagram



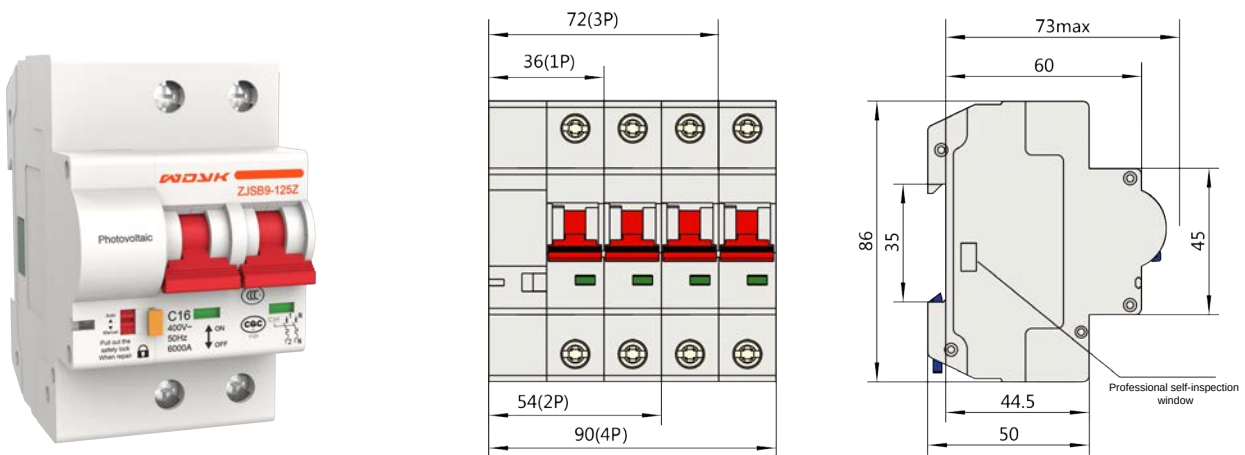
Photovoltaic reclosing circuit breaker

The order code: WG0

Eg: W G 0 -2 20
 W: WDYK
 G: Photovoltaic
 0: No metering
 -2: Pole
 20: Rated current

Product function

1. Remote open and close control	3. Overload protection	5. Photovoltaic automatic reclosing
2. Manual opening and closing	4. Short circuit protection	



Technical parameter

- Meet the standards: GB/T 10963.1、NB/T42149、IEC 60898-1
- Rated voltage: AC 220V (1P、2P) /AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 1P, 2P, 3P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 125A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A、125A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: more than 10,000 times
- Electrical life: more than 6000 times
- Power consumption: ≤0.9W

Product diagram



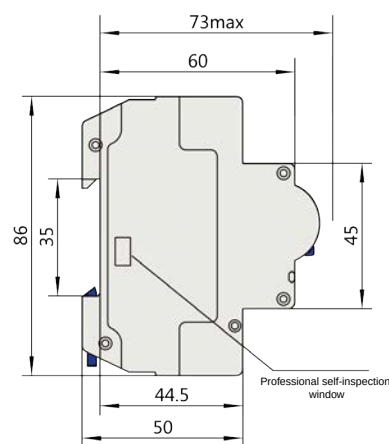
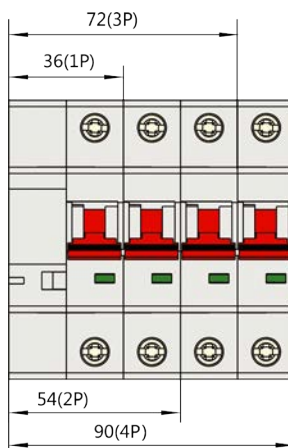
External circuit-breaker for electricity meters

The order code: WFO

如: W F 0 -2 20
 20: Rated current
 2: Pole
 0: No metering
 F: Cost-control
 W: WDK

Product function

1. Remote open and close control	3. Overload protection	5. Cost-control state control
2. Manual opening and closing	4. Short circuit protection	



Technical parameter

- Meet the standards: GB /T 10963.1、NB/T42149、IEC 60898-1
- Rated voltage: AC 220V (1P、2P) /AC 400V (3P、4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 1P, 2P, 3P, 4P;
- Specified operating temperature: -25℃~+65℃
- Frame rated current: 125A
- Rated current: 10A、16A、20A、25A、32A、40A、50A、63A、80A、100A、125A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: more than 10,000 times
- Electrical life: more than 6000 times
- Power consumption: ≤0.9W

Product diagram



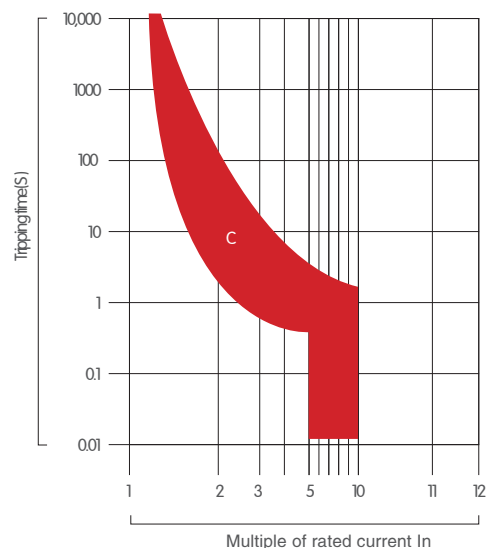
External circuit-breaker for electricity meters

Circuit breaker status control table

The serial number	Phase line	Control cable Signal cable	The initial state	Post action state	Note
1	AC220V	↑	break-brake	switch on	(From 0V to AC220V) received closing signal
2	AC220V	AC220V	switch on	break-brake	Manual break-brake
3	AC220V	AC220V	break-brake	switch on	Manual switch
4	AC220V	↓	switch on	break-brake	(From AC220V to 0V) received break-brake signal
5	AC220V	↓	break-brake	break-brake	(From AC220V to 0V) received break-brake signal
6	AC220V	0V	break-brake	break-brake	0V control signal , Closing is not allowed
7	AC220V-0-AC220V	AC220V	switch on	switch on	The line is in the closed state before power failure, and the line is powered on after power failure. It is not allowed to open and close again
8	AC220V-0-AC220V	AC220V	break-brake	break-brake	The line is in the opening state before power failure, and the line is powered on after power failure. It is not allowed to open or close the opening and then opening
9	0V	/	break-brake	break-brake	Stay original
10	0V	/	switch on	switch on	Stay original

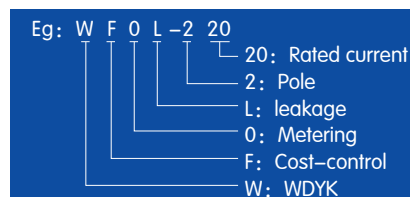
Tripping characteristic C

Number	Rated current	Initial state	Test current	Agreed time	Expected results
1	$\leq 63A$	cold state	$1.13I_n$	$t \leq 1h$	Non tripping
2	$\leq 63A$	Immediately after the preceding test	$1.45I_n$	$t \leq 1h$	tripping
3	$> 63A$	cold state	$1.13I_n$	$t \leq 2h$	Non tripping
4	$> 63A$	Immediately after the preceding test	$1.45I_n$	$t \leq 2h$	tripping
5	Full specifications	cold state	$2.55I_n$	$1s \leq t \leq 120s$	tripping
6	Full specifications	cold state	$5I_n$	$t \leq 0.1s$	Non tripping
			$10I_n$	$t \leq 0.1s$	tripping



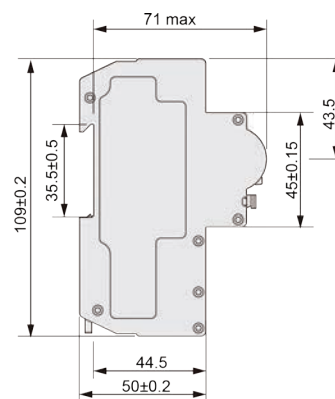
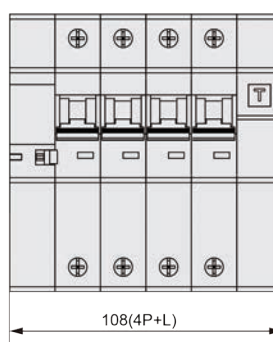
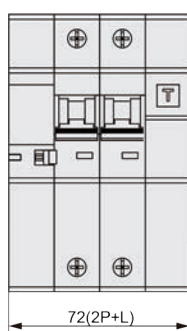
External Residual current Operated Circuit-breaker for electricity meters

The order code: WF0



Product function

1. Remote open and close control	3. Overload protection	5. Cost-control state control
2. Manual opening and closing	4. Short circuit protection	6. Electric leakage protection



Technical parameter

- Meet the standards: GB /T 16917.1 、GB /T 16917.22
- Rated voltage: AC 220V (P) /AC 400V (4P)
- Rated frequency: 50Hz/60Hz
- Number of poles: 2P, 4P;
- Specified operating temperature: -25°C~+65°C
- Frame rated current: 125A
- Rated current: 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A, 125A
- Rated short-circuit breaking capacity: 3kA 6kA
- Mechanical life: ≥10,000 times
- Electrical life: ≥ 6000 times
- Power consumption: ≤0.9W
- Residual action current: 30mA, 100mA
- Residual current operation time: ≤0.1s

Product diagram



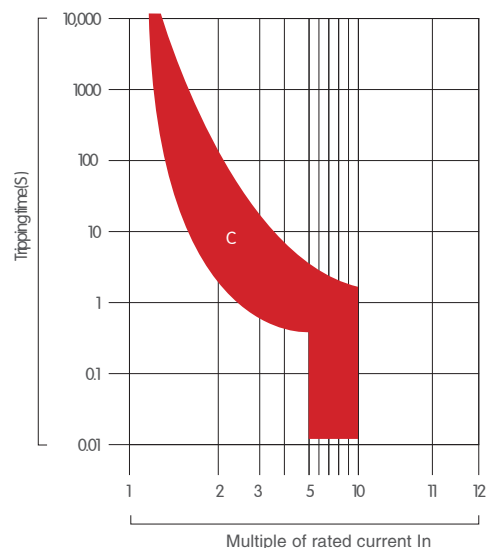
External circuit-breaker for electricity meters

Circuit breaker status control table

The serial number	Phase line	Control cable Signal cable	The initial state	Post action state	Note
1	AC220V	↑	break-brake	switch on	(From 0V to AC220V) received closing signal
2	AC220V	AC220V	switch on	break-brake	Manual break-brake
3	AC220V	AC220V	break-brake	switch on	Manual switch
4	AC220V	↓	switch on	break-brake	(From AC220V to 0V) received break-brake signal
5	AC220V	↓	break-brake	break-brake	(From AC220V to 0V) received break-brake signal
6	AC220V	0V	break-brake	break-brake	0V control signal , Closing is not allowed
7	AC220V-0-AC220V	AC220V	switch on	switch on	The line is in the closed state before power failure, and the line is powered on after power failure. It is not allowed to open and close again
8	AC220V-0-AC220V	AC220V	break-brake	break-brake	The line is in the opening state before power failure, and the line is powered on after power failure. It is not allowed to open or close the opening and then opening
9	0V	/	break-brake	break-brake	Stay original
10	0V	/	switch on	switch on	Stay original

Tripping characteristic C

Number	Rated current	Initial state	Test current	Agreed time	Expected results
1	$\leq 63A$	cold state	$1.13I_n$	$t \leq 1h$	Non tripping
2	$\leq 63A$	Immediately after the preceding test	$1.45I_n$	$t \leq 1h$	tripping
3	$> 63A$	cold state	$1.13I_n$	$t \leq 2h$	Non tripping
4	$> 63A$	Immediately after the preceding test	$1.45I_n$	$t \leq 2h$	tripping
5	Full specifications	cold state	$2.55I_n$	$1s \leq t \leq 120s$	tripping
6	Full specifications	cold state	$5I_n$	$t \leq 0.1s$	Non tripping
			$10I_n$	$t \leq 0.1s$	tripping



Moulded case circuit breaker

The order code: WS41L

Product function

1. Remote open and close control
2. Manual opening and closing
3. Overload protection
4. Short circuit protection
5. The data collection
6. RS458/4G

Technical parameter

- Meet a criterion: GB14048.2-2008
- Rated voltage: AC400V/AC 690V
- Rated frequency: 50Hz
- Rated current: 250A (5-250A adjustable)
- Poles: 2P, 3P, 4P (3 protection poles, N pole can be closed)
- Classification of leakage characteristics: AC
- Type of overcurrent trip: electronic
- Reclosing time: 20S-60S
- Rated remaining break time: $\leq 0.3S-0.5S$
- Rated residual operating current: 50-900mA (adjustable)

