Wifi Control MCB

Axon Electric Corporation

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Main function introduction:

1、 Protection: overcurrent, short circuit, overvoltage, undervoltage, overcurrent, overload, leakage current (optional), temperature monitoring (optional), etc., with powerful protection functions.↵

2、 Control: It can be controlled locally, or remotely controlled by APP, and can also be set for timing control, with flexible control methods.

3、 Alarm: When a protection action occurs, report specific alarm information to relevant personnel for disposal. ↵

4、 Metering (optional): Built-in power metering chip to complete the measurement of voltage, current, power, PF, etc., and complete the power calculation.

5、 It has self-diagnosis function, including memory fault identification, controller over-temperature, ADC acquisition circuit failure, clock battery under-power warning, and supports the temperature of each phase terminal or contact.↵

6、 Communication : WIFI, Bluetooth, 485, DL/T645 or CoAP, etc.; 485 can communicate with photovoltaic inverters; it can also support power line carrier communication and micro-power wireless MESH communication functions

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Datasheet

2.1、 Rated Voltage：230V（1P、1P+N、2P）；400V（3P+N、4P）；

2.2、 Rated Current：16A、20A、25A、32A、40A、50A、63A、80A、100A、125A；

2.3、 Rated Frequency：50/60Hz；

2.4、 Rated insulation voltage（Ui）：500V；

2.5、 Rated impulse withstand voltage（Uimp）：6kV；

2.6、 Pole：1P、1P+N、2P、3P、3P+N、4P；（1P、3P Not optional residual current action protection function）

2.7、 Tripping Characteristics：C：（5~10）In，D（10~14）In；

2.8、 Overload current protection range：1.13In-1.45In；（**User Adjustable**）

2.9、 Rated short circuit capacity：Ics=Icn=6000A；

2.10、 Remote automatic closing time：≤3s；

2.11、 Remote automatic opening time：≤2s；

2.12、 Residual operating current IΔn：15mA、30mA、50mA、100mA、300mA（**User Adjustable**）；

2.13、 Residual non-operating current IΔno：0.5IΔn；

2.14、 Residual current operating time：General type: maximum breaking time 0.1s; Delay type: minimum non-driving time 0.1s, maximum breaking time 1s；（**User Adjustable**）

2.15、 Overvoltage protection value：275V±5V；Overvoltage recovery value：250V±5V；（**User Adjustable**）

2.16、 Undervoltage protection value：165V±5V；Undervoltage recovery value：185V±5V；（**User Adjustable**）

2.17、 Mechanical life：10000，Electrical life：6000 次；

2.18、 Electric energy metering control (**electrical energy metering reference accuracy level 0.5, not used as a standard measuring instrument!**)

2.18.1、 Current specification：1.5（6A），5（40A），10（60A），20（80A），30（100A）；

2.18.2、 Data memory storage function; set the circuit breaker to automatically disconnect the circuit after the electricity is in arrears, and automatically close the switch after the renewal;

2.19、 Communication：WIFI、Bluetooth、485、DL/T 645、Intelligent circuit breaker communication protocol, Modbus-RTU and other protocols；

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Tuya→WIFI Control MCB

1、State before network configuration

1.1 red light flash quickly means pairing mode

1.2 Long press the test button to restore factory settings

1.3 Description of the sindicator light

Non-Network connection:red light flashing slowly

Network connection:blue light always on

Opening: blue light is always on

Closing: red light is always on

2.1 Download Tuya

2.2 Register and Log in

Tuya→WIFI Control MCB

2.3add device（Before adding the device, the recloser needs to be in the network distribution mode. Press the plus sign or the add device button in the figure to enter the add device interface）
2.4 Add device page (you can choose to automatically discover or manually add)

Manually add pages
1. Select electrician option→ Switch interface selection →Select wifi
2. Connection page

Tuya→WIFI Control MCB

3、Connection succeeded

4、 *Tuya App Control Page Description*

   Manual mode and network mode are
switched by manual and automatic
button control of reclosing Timing
can be used to open and close.
According to a fixed time, such as
（In the timer, if the repetition is set
only once, then the action that reaches
the set time can only be executed
once If you set the day of the week,
you can repeat the action of the set
time）