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GHSOGEOM EAKCB-T-M

GHSOGEOM EAKCB-TM Intelligent Circuit Breaker User Manual

Model: EAKCB-T-M

1. INTRODUCTION

The GHSOGEOM EAKCB-TM Intelligent Circuit Breaker is a versatile device designed for advanced electrical circuit protection and monitoring. It integrates current limiting, power limiting, overvoltage/undervoltage protection, temperature protection, energy monitoring, and remote control capabilities. This manual provides essential information for the safe installation, operation, and maintenance of your intelligent circuit breaker.

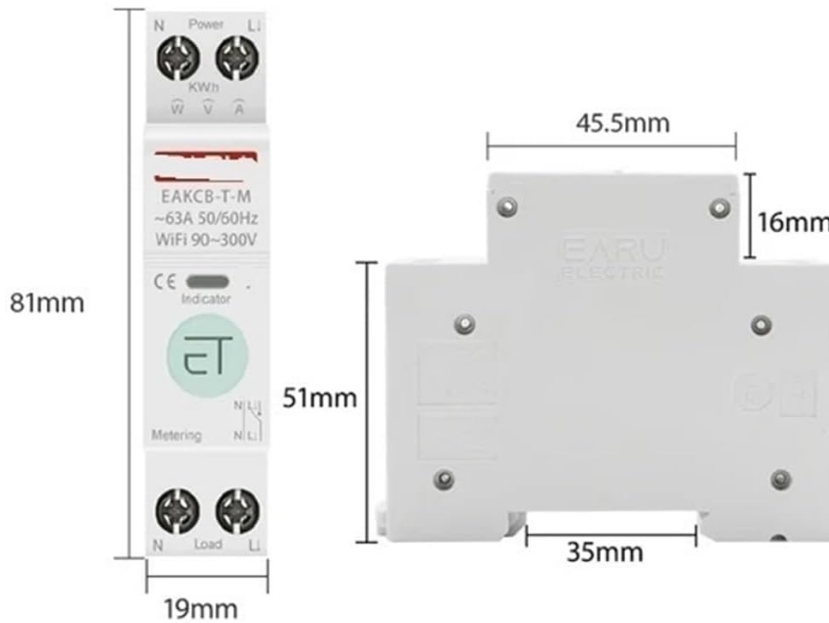
2. PRODUCT FEATURES

The EAKCB-TM Intelligent Circuit Breaker offers a comprehensive suite of features for enhanced electrical management:

- **Current Limit:** Adjustable from 1A to 63A.
- **Power Limit:** Adjustable from 1KW to 26KW.
- **Overvoltage Protection:** Adjustable from 220V to 265V.
- **Undervoltage Protection:** Adjustable from 76V to 240V.
- **Temperature Protection:** Adjustable from 40°C to 150°C.
- **Energy Monitoring:** Real-time kilowatt-hour (KWh) monitoring.
- **Timer Switch:** Programmable timer, schedule, and loop timer functions.
- **Remote Control:** On/off control via a connected application.
- **APP Display:** View voltage, current, power, and temperature via the application.

For a visual overview of the device's functions and dimensions, please refer to the image below.

Function



- ☑ Energy Monitor
- ☑ Power Limit
- ☑ Current Limit
- ☑ Voltage Protection
- ☑ Temperature Protection
- ☑ Timer Switch
- ☑ Remote Control

Tuya Multifunction Parameters

Model Number:EAKCB-T-M	APP Display:Voltage/Current/Power/temp
Rated Voltage:AC90-300V 50/60Hz	Time Control:Timer/Schedule/Loop Timer
Rated Current:Max 63A	Current Limit : 1~63A(Adjustable)
Installation:35mm Din Rail	Energy Monitor(KW):1~26KW
Working Temperature:-25°C~70°C	Temperature Protection:40°C~150°C (Adjustable)
Certificate : CE	Undervoltage Protection:76-240V(Adjustable)
APP Display:Voltage/Current/Power/temp	Overvoltage Protection : 220-265V (Adjustable)

Image Description: This image displays the GHSOGEOM EAKCB-TM Intelligent Circuit Breaker from multiple angles, highlighting its physical dimensions (81mm height, 19mm width, 45.5mm depth, 51mm mounting height, 35mm DIN rail compatibility). It also lists key functions such as Energy Monitor, Power Limit, Current Limit, Voltage Protection, Temperature Protection, Timer Switch, and Remote Control. A table details Tuya Multifunction Parameters including Model Number (EAKCB-T-M), Rated Voltage (AC90-300V 50/60Hz), Rated Current (Max 63A), Installation (35mm Din Rail), Working Temperature (-25°C~70°C), Certificate (CE), APP Display (Voltage/Current/Power/temp), Time Control (Timer/Schedule/Loop Timer), Current Limit (1~63A Adjustable), Energy Monitor (1~26KW), Temperature Protection (40°C-150°C Adjustable), Undervoltage Protection (76-240V Adjustable), and Overvoltage Protection (220-265V Adjustable).

3. SPECIFICATIONS

Parameter	Value
Model Number	EAKCB-T-M
Brand Name	GHSOGEOM
Rated Voltage	AC90-300V 50/60Hz
Rated Current	Max 63A
Current Limit	1~63A (Adjustable)
Power Limit	1~26KW (Adjustable)
Overvoltage Protection	220-265V (Adjustable)
Undervoltage Protection	76-240V (Adjustable)
Temperature Protection	40°C-150°C (Adjustable)
Installation	35mm Din Rail
Working Temperature	-25°C~70°C
Certificate	CE
Item Weight	50 Grams
Unit Count	1.0 Count
ASIN	B0DFTH7NDB

4. INSTALLATION AND SETUP

Safety First: Before beginning any electrical installation, ensure the main power supply to the circuit is turned OFF at the service panel. Always consult with a qualified electrician if you are unsure about any steps.

4.1 Physical Installation

- Mounting:** The EAKCB-TM is designed for 35mm DIN rail installation. Securely clip the device onto the DIN rail within your electrical panel.
- Wiring:** Connect the incoming power supply (N, L) to the 'Power' terminals at the top of the circuit breaker. Connect the load (N, L) to the 'Load' terminals at the bottom. Ensure all connections are tight and secure. Refer to the wiring diagram on the device for correct polarity.

4.2 Initial Setup and WiFi Connection

- Power On:** Once wired, restore power to the circuit. The indicator light on the device should illuminate.
- App Download:** Download the 'Tuya Smart' or 'Smart Life' application from your smartphone's app store.
- Device Pairing:** Follow the in-app instructions to add a new device. Typically, this involves putting the circuit breaker into pairing mode (often by pressing and holding a button on the device for a few seconds until the indicator light blinks rapidly) and connecting it to your 2.4GHz WiFi network.
- Configuration:** Once paired, you can configure the protection parameters (current limit, voltage protection, temperature protection, etc.) and set up timer schedules through the application.

5. OPERATING INSTRUCTIONS

The EAKCB-TM Intelligent Circuit Breaker can be operated manually or remotely via the connected application.

5.1 Manual Operation

The device features a physical switch or button for manual ON/OFF control. Refer to the device's markings for specific manual control options.

5.2 Remote Operation via App

- **Remote ON/OFF:** Use the application interface to remotely switch the circuit breaker ON or OFF.
- **Monitoring:** View real-time data such as voltage, current, power consumption (KWh), and temperature directly from the app.
- **Parameter Adjustment:** Modify protection thresholds (e.g., current limit, overvoltage) as needed through the app settings.
- **Timer Functions:** Set up daily, weekly, or loop timers to automate the circuit breaker's operation.

6. MAINTENANCE

The EAKCB-TM Intelligent Circuit Breaker is designed for minimal maintenance. However, regular checks are recommended:

- **Visual Inspection:** Periodically inspect the device for any signs of physical damage, loose connections, or discoloration.
- **Firmware Updates:** Keep the associated mobile application updated to ensure optimal performance and access to new features. Check for firmware updates for the device through the app.
- **Cleaning:** If necessary, gently clean the exterior of the device with a dry, soft cloth. Do not use liquids or abrasive cleaners.

Always disconnect power before performing any physical inspection or cleaning.

7. TROUBLESHOOTING

If you encounter issues with your EAKCB-TM Intelligent Circuit Breaker, consider the following troubleshooting steps:

- **Device Not Powering On:** Check the main power supply to the circuit. Ensure all wiring connections are secure.
- **No Remote Control/App Connectivity:**
 - Ensure your WiFi network is 2.4GHz.
 - Check if your router is functioning correctly and the device is within WiFi range.
 - Restart the circuit breaker and your router.
 - Attempt to re-pair the device with the application.
- **Frequent Tripping:** This indicates an electrical fault (overcurrent, overvoltage, undervoltage, or over-temperature). Check the connected load for issues or verify your protection settings in the app. Do not bypass safety features.
- **Inaccurate Readings:** Ensure the device is correctly wired according to the input/output terminals.

If problems persist, contact customer support or a qualified electrician.

8. WARRANTY AND SUPPORT

Information regarding the warranty period and specific customer support contacts for the GHSOGEOM EAKCB-TM Intelligent Circuit Breaker was not provided in the product details. Please refer to the product packaging or the manufacturer's official website for warranty terms and support options.