SMG-WL1SR Smart Gateway

1. General

1.1 function

This product is a network adapter designed for data conversion and transmission used by smart miniature circuit breakers. The product mainly connects the router through Wi-Fi, and uses RS485 to achieve a data link with the circuit breaker, which can transfer data such as cloud platform and host computer to the smart miniature circuit breaker through data protocol conversion, and then realize the data acquisition and remote control of the circuit breaker. The gateway can also use the WeChat Program to combine Bluetooth to configure the parameters of the gateway, so that users can easily and quickly realize the function of mode conversion. The gateway shape adopts a design consistent with the shape of the smart miniature circuit breaker, which can dock with the installation rail in the existing terminal box, which greatly facilitates the user's application.

Main functions: data acquisition, protocol conversion, data transmission, power output

1.2 approvals and certificate

Standard: EN 300328

Certification: CE

2. Technical data

2.1 Technical parameter

Product	
Input voltage(V)	DC12
Operating ambient temperature(°C)	-25-70
Storage temperature(°C)	-40-70
Applicable altitude(m)	<=2000
Communication	WiFi , BT/BLE, RS485
Bluetooth connection protocol	Bluetooth v5.0 BR/EDR , BLE specification
Application layer protocols	Modbus-RTU\MQTT
Flame retardant rating	V-0
Installation	Type TH35-7.5 standard DIN rail
Pollution degree	2
Protection degree	IP20
Accessories can be spliced	None

3. Overall and mounting dimensions (mm)