智能小型断路器

INTELLIGENT MINIATURE CIRCUIT BREAKER

RGS

IoT

传统断路器
Miniature Circuit Breaker

电表
Ammeter

智能
Smart

安全
Safe

开放
Open

便捷
Easy

通讯模块
Communication Moduels

交流接触器
Contactor

智能照明
Smart Lighting

温度检测器
Thermodetector
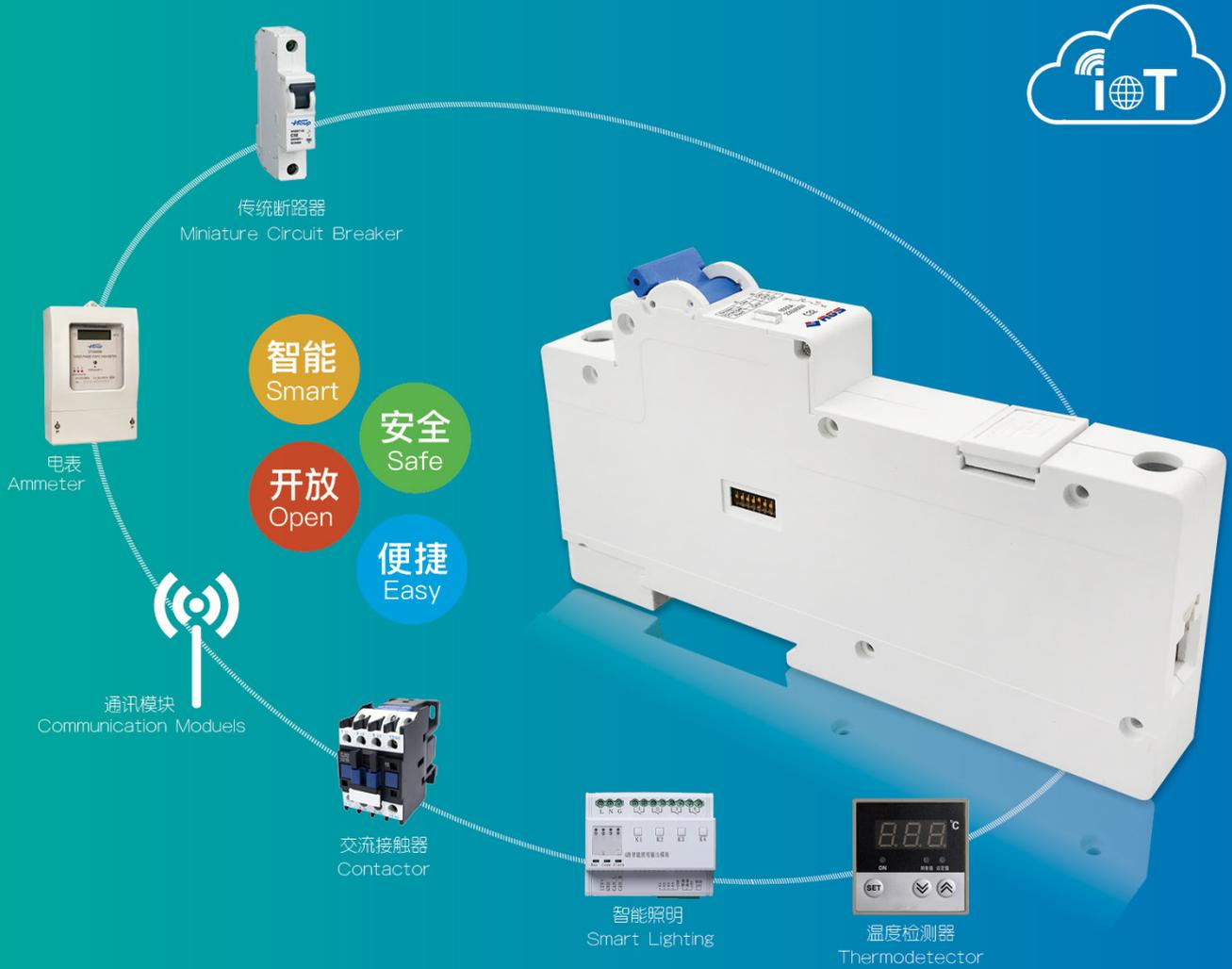
我们用心在做，我们还在进步！
Keep Professional, Keep improving !

远程控制
Remote Control

节能管理
Energy Saving

温度监测
Temperature monitoring

过载保护
Overload Protection

电弧报警
Arc Detector

电量计算
Energy Measurement

智能小型断路器HiB201-63
Intelligent miniature circuit breaker

产品概述 Profile

　　智能小型断路器HiB201-63是本公司自主研发原创产品，其将高分段小型断路器与人工智能（AI），大数据，物联网以及云端技术做完美结合，应用于多功能餐厅、会议室、报告厅、展厅等智能用电管理系统及场景，实时了解并分析用电情况，实现远程控制、电量计量、节能管理、用电异常预警与分析等功能。

Intelligent small circuit breaker HiB201-63 series is self-developed product, which is the combination of high breaking-capacity circuit breakers with artificial intelligence (AI), big data, Internet of Things(IoT)and the cloud technology, is suitable for the system and application scenarios of multi-functional rooms, meeting rooms,conference hall and exhibitions. It is featured with remote control, power energy supervison,energy measurement and alarming for power faulty by recording and analyzing the power data.

产品功能 Function

（1）产品宽度18mm，体积小，符合35mm导轨式安装；

（2）可扩展性接口，支持Modbus-RTU/DLT-97/DLT-07通讯协议；

（3）产品内置带计量的永磁继电器，

（4）通过RS485端口可读取用电设备的电流、电压、用电量及接线端温度等数据；

（5）通过RS485端口可远程控制用电设备的接通或断开操作,亦可手动接通或断开智能小型断路器和继电器；

（6）具有过载保护、短路保护、过欠压保护以及过温保护等功能；

（7）产品带状态指示功能，实时显示设备情况接通、断开以及故障情况；

（8）可手动或远程设置产品ID信息，方便系统对接和设置；

（9）产品具有可扩展性，实现漏电保护、浪涌保护等附加功能。

1.The product is 18mm wide and easy to DIN Rail-installation;

2.Support Modbus-RTU/DLT-97/DLT-07 communication protocol;

3.Permanent magnet relay inside with metering;

4.Read the data of current,voltage,power consumption and temperature of the terminal in real-time by communacation ports;

5.Remote control "ON/OFF"of the device and also manual control the circuit breaker and relay;

6.Featured with overload protection, short circuit protection, over/under voltage protection and over-temperature protection;

7.Indicate the status of "ON/OFF" and also fault status in real-time;

8. Manual or Remote coding the device

9. Extensible and additional functions such as leakage protection and surge protection.
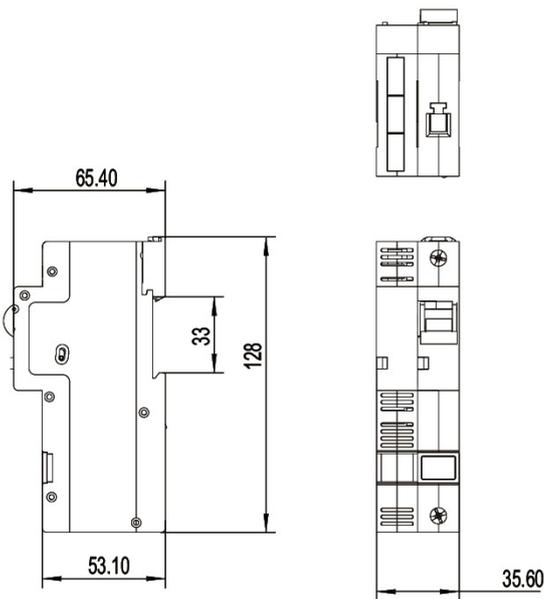
特性参数 Parameter

额定电压 Rated Voltage	AC230V ~　　50Hz/60Hz
额定电流 Rated Current	16A, 20A, 25A, 32A, 40A, 50A, 63A
分断能力 Breaking Capacity	6kA
机械寿命（断路器）Mechanical Life (MCB)	10,000 次 /Times
机械寿命（继电器）Mechanical Life (RELAY)	100,000 次 /Times
计量精度 Measurement Accuracy	2%
过欠压保护值 Protection Value	过压 Uovr 250V~
	欠压 Uvu 190V~
技术标准 Technical Standard	IEC60898,GB10963,JB/T10923,Q/HL1410

智能网关 Smart Hub

产品概述 Profile

　　智能网关采用自主研发的Eton-Net总线通讯方式，采用稳定可靠的从式与分式结合总线结构，可快速自动识别在线设备并检测设备用电故障，适用于多功能餐厅、会议室、报告厅、展厅以及多种复杂用电场景，具有极大的便利性。同时设备采用操作面板与执行界面的关联的列表形式。

Smart hub is featured with the controlling structure of subordinate and fraction by using self-developed bus communication mode-Eton-Net, which identifies on-line devices automaticly and detects electrical failure. The communication mode is easy-practicability for the system and application scenarios of multi-functional rooms, meeting rooms,conference hall and exhibitions, controlled with both software interface and operation panels.

产品功能 Function

（1）产品可支持64个终端设备；
（2）支持本地或远程导入及导出数据内容；
（3）内置Web网页服务器，便捷化操作系统和用户体验；
（4）提供开放式可编程控制、下载平台软件；
（5）可进行多任务的并行执行功能，定时任务操作等；

1. Connect and support 64 pcs of terminal devices at most;
2. Supports local and remote connections to updating the data;
3. Built-in Web server, convenient operating system and user experience;
4. Open programmable architecture platform softwares;
5. Multi-task parallel execution, timed task operation, etc.

特性参数 Parameter

通讯方式 Communication Mode	TCP/IP,RS485,WIFI,NB-LOT,ZIGBEE
供电电压 Supply Power	24V DC
最大连接数量 Maximum Connections	64 只 /PCS
运行温度 Operating Temperature	-10~70℃
储存温度 Storage Temperature	0-50℃
连接方式 Connection	无线，有线，插针式 Wiring,Wireless, Pin-Socket Contact

产品功能 Function

（1）产品可进行多路调光；
（2）ID号数码智能显示；
（3）具有短路保护功能；
（4）配合多功能面板满足复杂场景；

1.Multiline Lighting Dimming System
2.Intelligent display ID codes;
3.With the protection of short-circuit;
4.Multiple line Control by software and operation panels

调光模块
Intelligent Dimming Module

调光回路 Control Loop	2/3/4 路 (ways)
输入电压 Input Voltage	AC 220V~ 50Hz
供电电压 Supply Power	24V DC
控制端口 Control Port	Modbus

控制面板 Operation Panels

WIFI,GSM/GPRS
NB-IoT

cloud

用电管理系统
Electrical Safty Supervison
and Power Energy Platform

IN PUT: DC 24V
COM:RS485
MODBUS

NET
TCP/IP

RESET
RUNNING

智能
服务器WEB主机
Serve

IN PUT: DC 24V
COM:RS48
MODBUS

NET
TCP/IP
WIFI

POWER

智能网关
Smart Hub

ON
OFF

	E	S
Green	ON	ON
Orange	/	OFF
Red	OFF	ON

6000A
230/400V
C32

智能断路器
Smart MCB

智能断路器
Smart MCB

智能断路器
Smart MCB
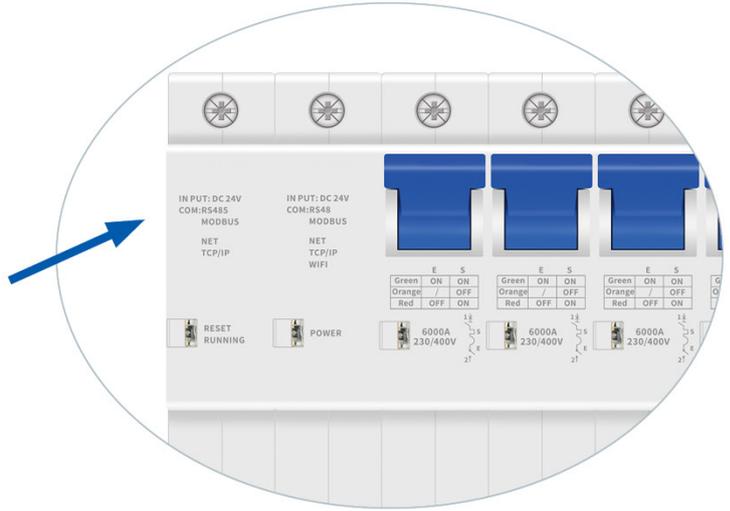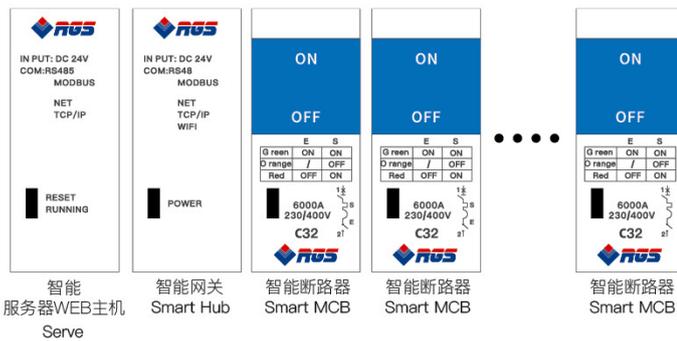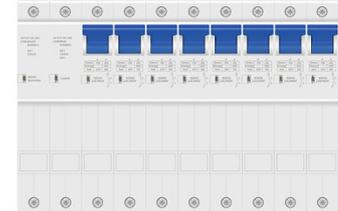
智能 Smart

–自动记录实时设备的用电情况，包括电流、电压、用电量等数据；

–可远程定时控制设备的接通和断开；

–可自定义设备的保护电流；

– Recoding power consumption in real-time, including current, voltage, power consumption and other data;

– Remote control "ON/OFF" and timing control;

– Protection current of the device can be customized;

安全 Safe

–具有过载保护、短路保护、过欠压保护、温控保护等功能；

–可自动识别在线设备并检测设备用电故障；

–实时指示功能，避免用户误操作；

– Featured with overload protection, short circuit protection, over/under voltage protection, temperature control protection and other functions;

– Identify online equipment and detect power failure automatically;

– Indicating the status of "ON/OFF" in real-time

开放 Open

–支持多种主流通讯协议；

–支持扩展性端口，可实现各类用户功能需要；

–支持IOS,Android以及电脑端控制系统；

– Support a variety of mainstream protocol;

– Support expandable communication port and meet the various needs

– Support IOS,Android and PC control system;

便捷 Easy

–模块化产品，简化安装操作；

–无需对码，可直接接入系统；

–多种接线方式，满足不同需求

– Modular product, easy to install;

– No need to coding,easy to connect;

– Multiple wiring and connection modes.

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