AbleEdge Smart Breakers

Eaton's next generation of smart breakers enable flexible load management and help improve resiliency.

- 2 pole 15A-60A with GFCI protection
- Ability to control breakers remotely — ON, OFF (independent from trip mechanism)
- Revenue Metering (±0.5%)
- Metering information: voltage, current, frequency, power, and energy
- Bi-directional capable for DERs
- Real-time access to device state: Open, Closed, Tripped
- Access the breaker through the internet or locally
- Intelligent auto load shed, prevents overload through power outage
- Open platform with API documentation available
- AbleEdge installer app for iOS and Android to connect devices to Wi-Fi and 3rd party systems
- Homeowners can remotely monitor and operate the smart breaker via the Brightlayer Home app, available on iOS and Android
- "One app" experience available for partners who integrate the smart breaker into their ecosystem
- Install directly into existing Eaton BR loadcenters, meter breakers
- Optimize installation- reduce the total cost of installation and number of boxes on a customers wall

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Technical Specifications

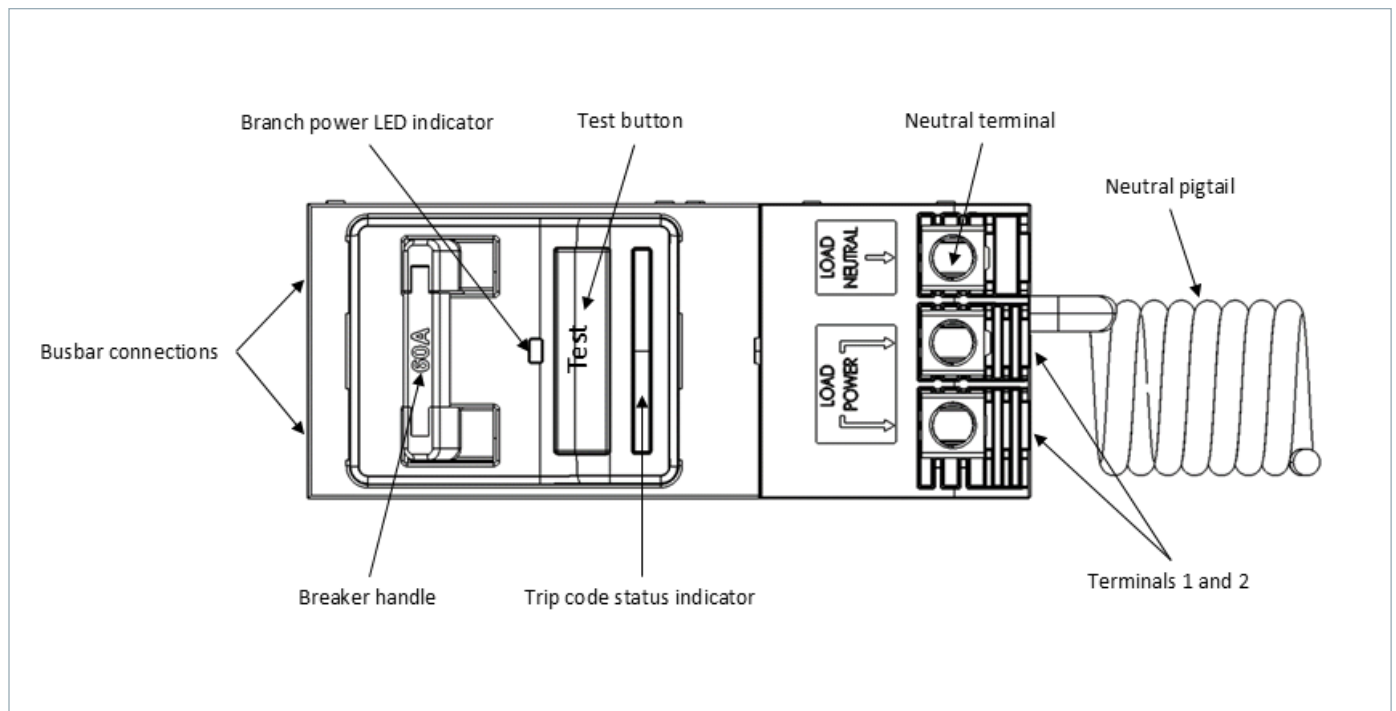|	
Footprint	2-pole: Takes 2 spaces in a loadcenter
Breaker type	BRS plug-on style
Voltage rating	120/240V; 120/208V
Frequency rating	60Hz
Ambient operating temperature	-30 °C to +40 °C
Humidity	0% to 90%, noncondensing
kAIC rating	10kAIC
Warranty	10 years mechanical, 3 years electronics

Certifications

- **UL 943** Ground-Fault Circuit-Interrupters
- **CSA C22.2 No. 144.1-16** Ground-fault circuit-interrupters
- **UL 486A-486B** Wire Connectors
- **CSA C22.2 No. 65** Wire connectors
- **UL 489** Molded-Case Circuit Breakers, Molded-Case Switches and Circuit-Breaker Enclosures
- **CSA C22.2 No. 144.1** Ground-fault circuit-interrupters
- **UL 1998** Software in Programmable Components
- **CSA C22.2 No. 0.8** Safety functions incorporating electronic technology
- **UL 60730-1** (Annex H) Automatic Electrical Controls - Part 1: General Requirements
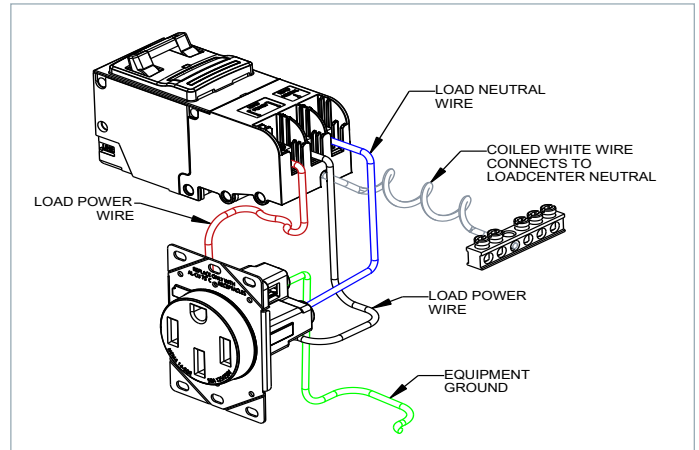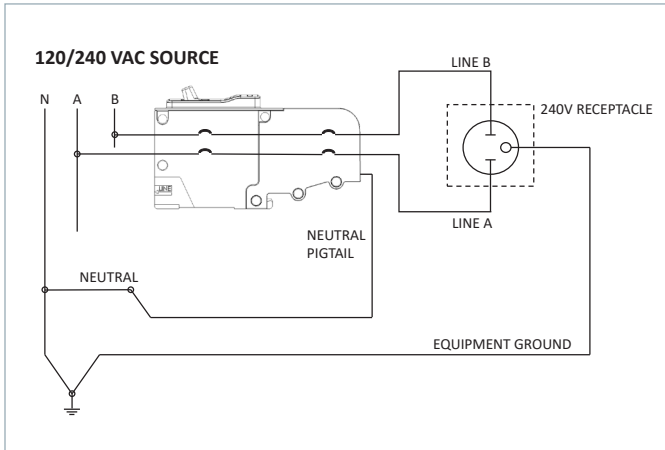- **FCC Part 15** Subpart B & C
- **ICES-003**

Product Selections

Amperes	Catalog Number
15	SBR215WGF
20	SBR220WGF
30	SBR230WGF
40	SBR240WGF
50	SBR250WGF
60	SBR260WGF

Smart breaker diagram

Wiring diagram

120/240 VAC SOURCE

N   A   B

LINE B

240V RECEPTACLE

LINE A

NEUTRAL PIGTAIL

NEUTRAL

EQUIPMENT GROUND

LOAD NEUTRAL WIRE

COILED WHITE WIRE CONNECTS TO LOADCENTER NEUTRAL

LOAD POWER WIRE

LOAD POWER WIRE

EQUIPMENT GROUND

Product dimensions

2.90

1.98

4.86
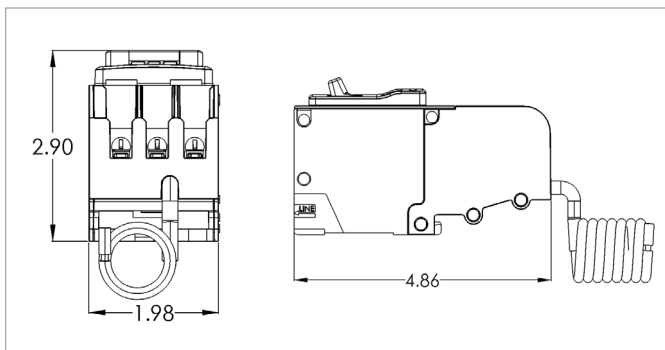
Scan for commissioning instructions, panel compatibility and system installation instructions.

Contact the Eaton Technical Resource Center at
1-877-ETN-CARE (386-2273)
option 2, option 9 for further assistance.

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