



DATA SHEET

Inhab® 1-Pole Dual Function Controllable Circuit Breakers (CCB)

Plug-in, Plug-on-Neutral and Bolt-on

Inhab® Controllable Circuit Breaker (CCB) brings advanced solid-state technology into circuit protection with a design that modernizes the traditional load center with advanced capabilities including remote monitoring and ON/OFF control of circuits.

Its solid-state design enables more convenience and efficiency to smart home integrations along with enhanced durability. Most importantly, its ultra-fast response time provides superior protection from electrical faults and eliminates Arc Flash Hazards.

SIEMENS

Features

- Industry first solid-state circuit protection
- Ultra-fast protection from electrical faults
- Available in 1-pole 15A and 20A (2-pole coming soon!)
- Same familiar 1" width as traditional breakers
- Eco-friendly – Made of recyclable plastics
- Lug wire indicators for easier wiring installation
- Handle Padlock Provision for Lockout Tagout
- Plug-in, Plug-on or bolt-on branch circuit breakers for Siemens single phase load centers or panelboards
- LED breaker status(on/ standby), trip and comms status indicators
- Available with interrupting rating of 10kA, 65kA or 100kA
- UL Listed : UL1699, UL 943, UL 489i
- Ratings: HID, SWD
- 120 Volts AC
- Wire range: 60/75 °C
 - #14 – #8 AWG Cu
 - #12 – #8 AWG Al

Benefits

- Reduce energy bills with 24x7 monitoring
 - Includes load scheduling and load shedding schemes*
- Modular design fits in existing Siemens load centers and panelboards
- Instant alerts can notify you about breaker activity, appliance issues*, and more
- Remotely monitor or control from anywhere in the world
 - Including rental property, caregiving, and home automation

* Available via future software update

1-Pole Plug-on Neutral Dual Function Circuit Breakers

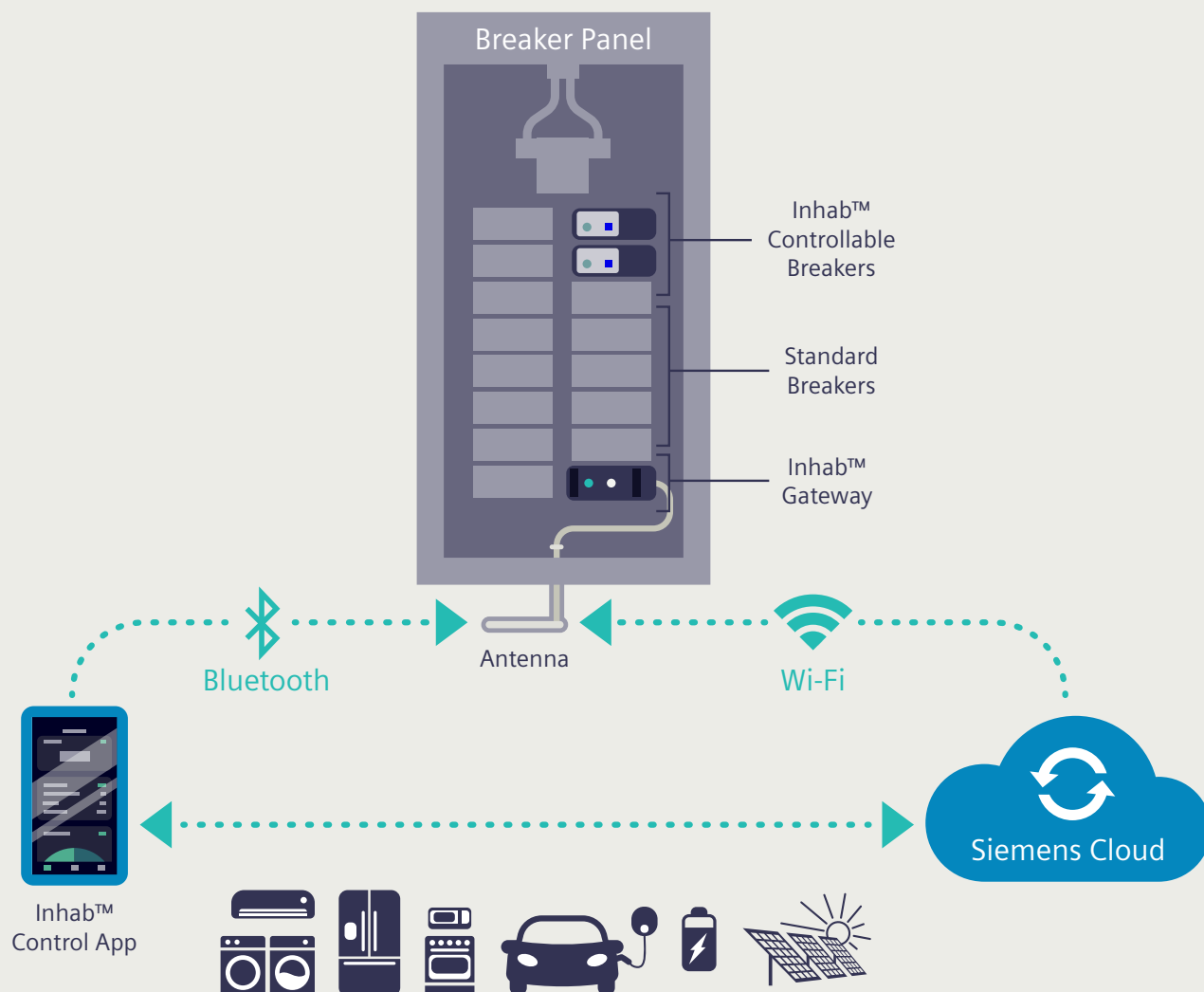
Catalog Number	Ampere Rating	Interrupting Rating	UL Type
Q115SCDFN	15	10kA	SCFGN
Q120SCDFN	20	10kA	

1-Pole Plug-in Dual Function Circuit Breakers

Catalog Number	Ampere Rating	Interrupting Rating	UL Type
Q115SCDF	15	10kA	SCFG
Q120SCDF	20	10kA	
Q115SCDFHH	15	65kA	HSCFG
Q120SCDFHH	20	65kA	

1-Pole Bolt-on Dual Function Circuit Breakers

Catalog Number	Ampere Rating	Interrupting Rating	UL Type
B115SCDF	15	10kA	BSCFG
BQ120SCDF	20	10kA	
B115SCDFHH	15	65kA	BHSCFG
B120SCDFHH	20	65kA	
HB115SCDFH	15	100kA	BHSCFGH
HB120SCDFH	20	100kA	



Inhab® Gateway

An Inhab® Gateway is required to communicate with the Inhab® Controllable Circuit Breaker.

The Inhab® Gateway serves as a communication bridge between the user and CCBs. Through Inhab® Gateway and its Wi-Fi connection, a user can remotely monitor and control circuits from anywhere in the world, diagnose faults with enhanced troubleshooting, and connect to other smart home assistants such as Google Home* and Amazon Alexa*.

Wireless Residential Gateway

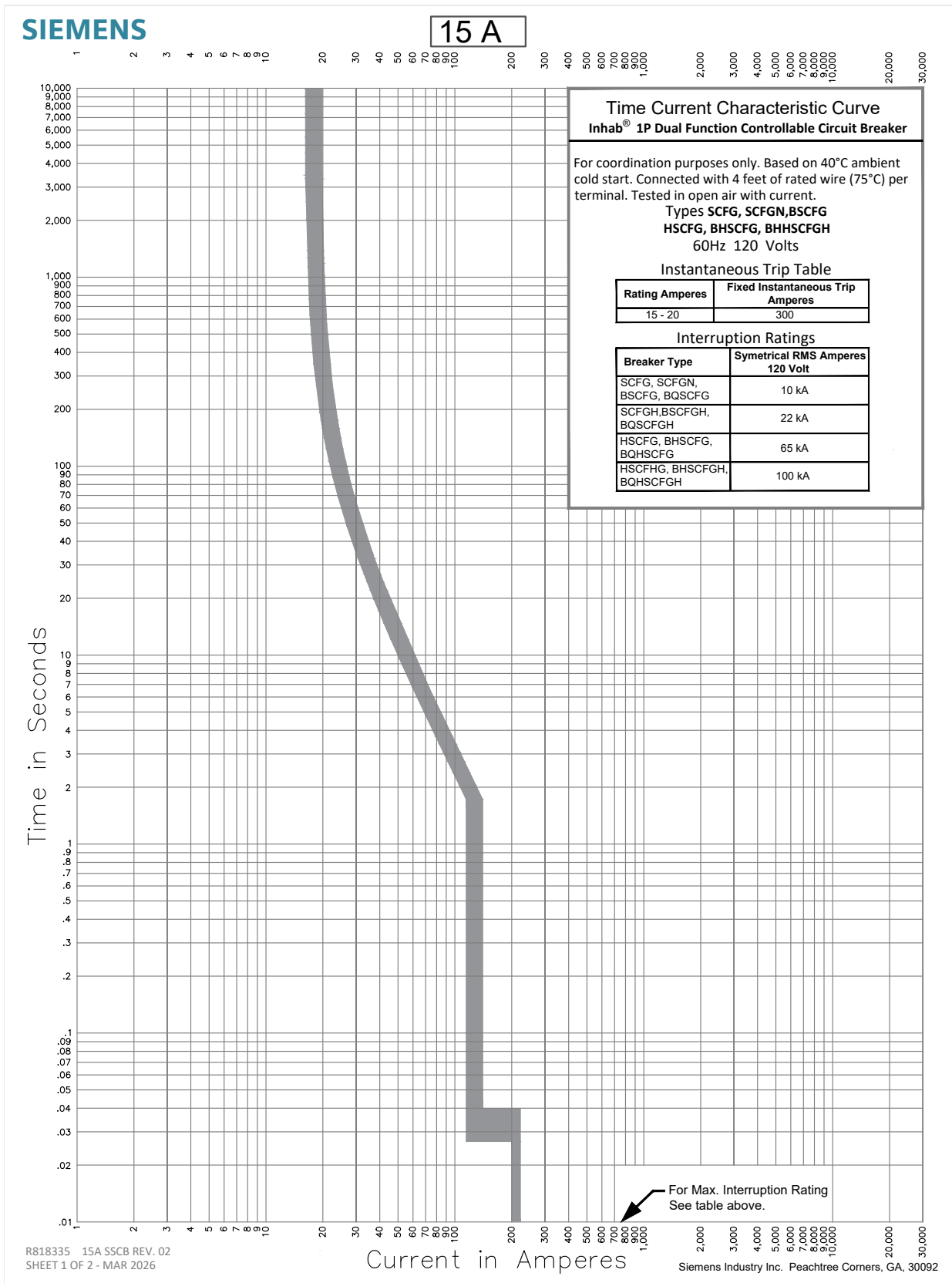
Catalog Number	Style
Q1WGN	Plug-on-Neutral
Q1WGW	Pigtail
B1WGW	Bolt-On

Inhab® Gateway Requirements:

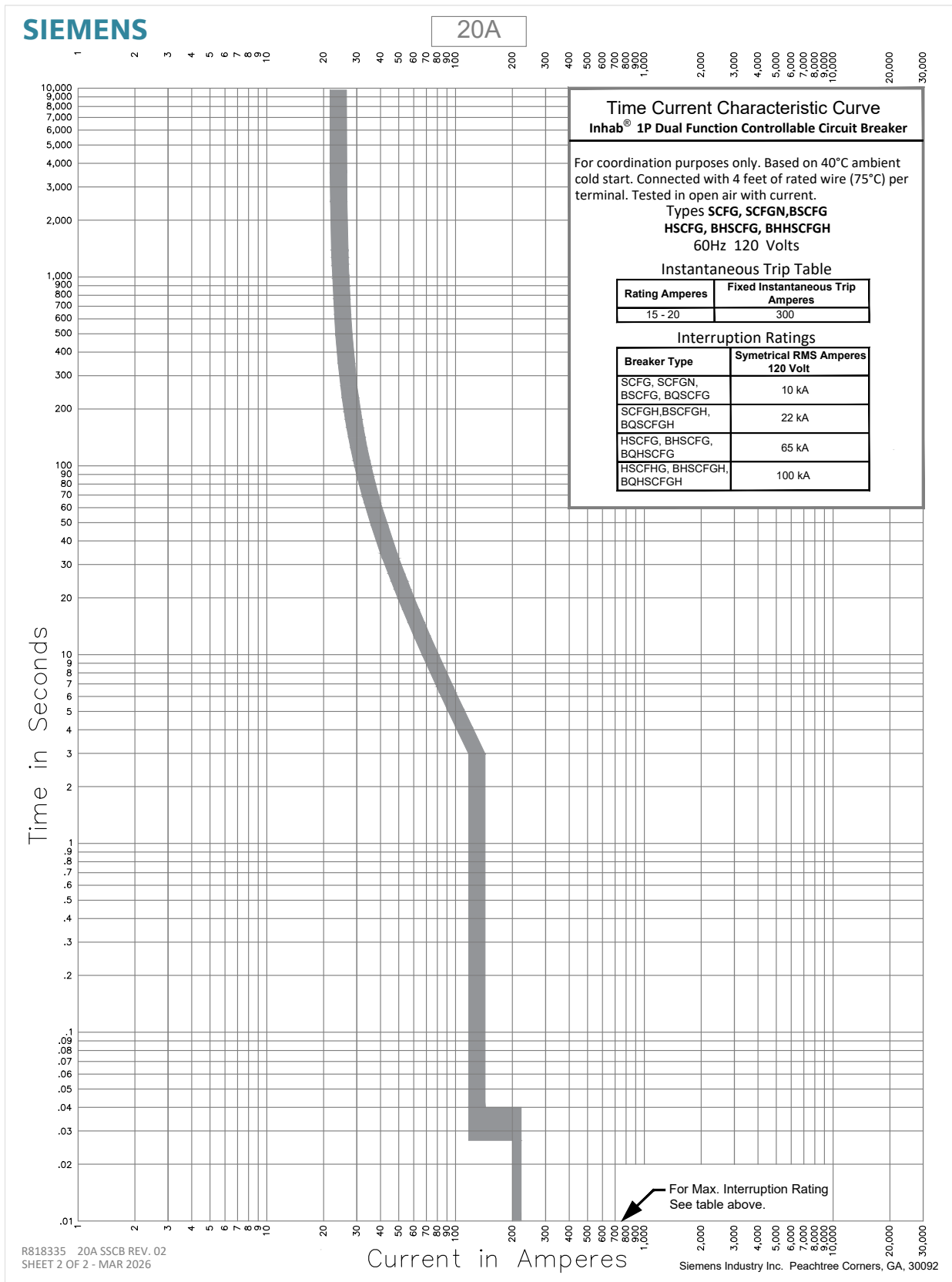
- Fits in existing Siemens load centers and panelboards
- Requires 1" free breaker space available to install
 - No room? Free up panel space with Siemens' industry-exclusive twin AFCI QTA breakers (if needed)
- Requires internet connection for full functionality
- 120VAC rated
- Wi-Fi and Bluetooth Communication
- Connect up to 53 CCBs to one Inhab® Gateway.
- Inhab® Gateway must be installed within the same electrical panel as the CCBs it communicates with.
- 3/4" knockout required for antenna installation
- Control via Android / iOS mobile app or web-based application

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Time Current Characteristic Curves

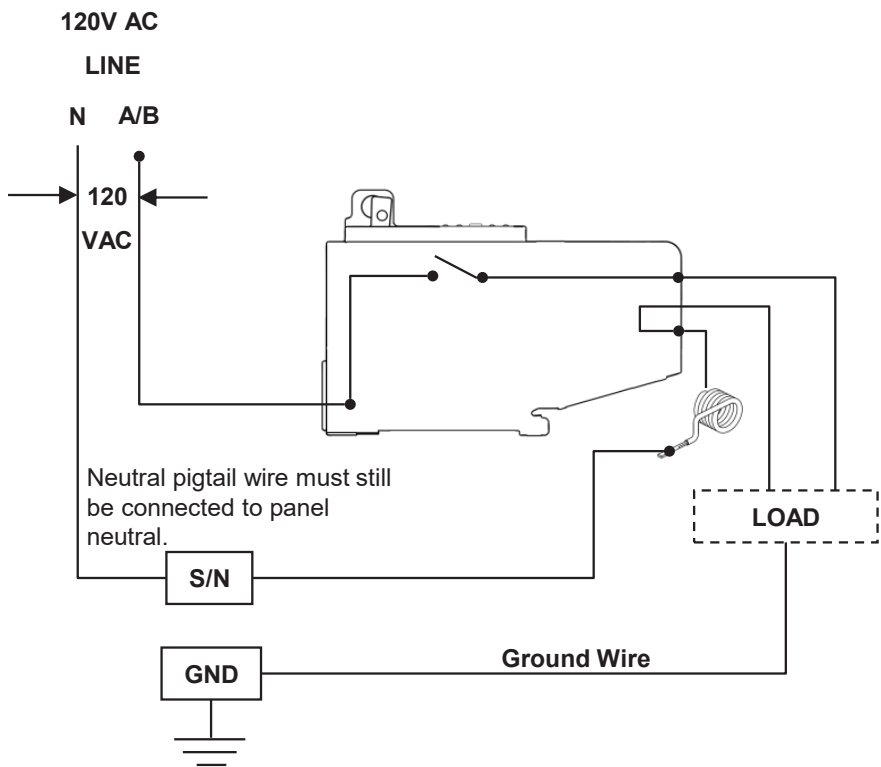


Time Current Characteristic Curves

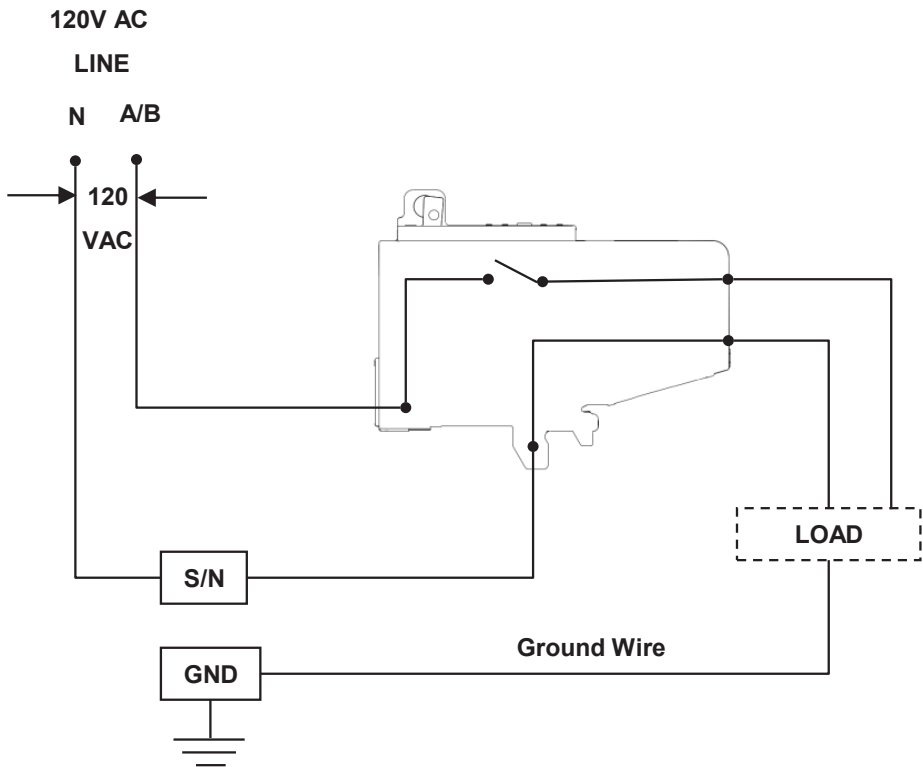


Wiring Diagrams

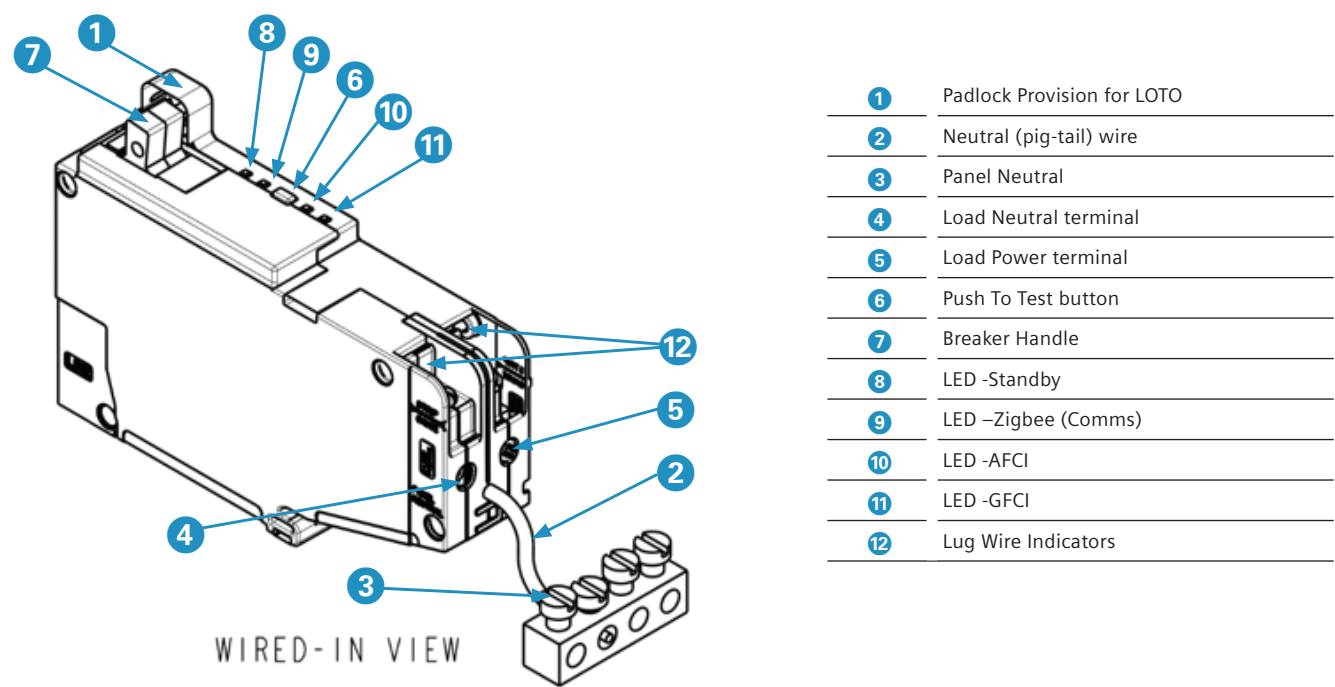
1-Pole Pigtail and Bolt-On



1-Pole Plug-On-Neutral

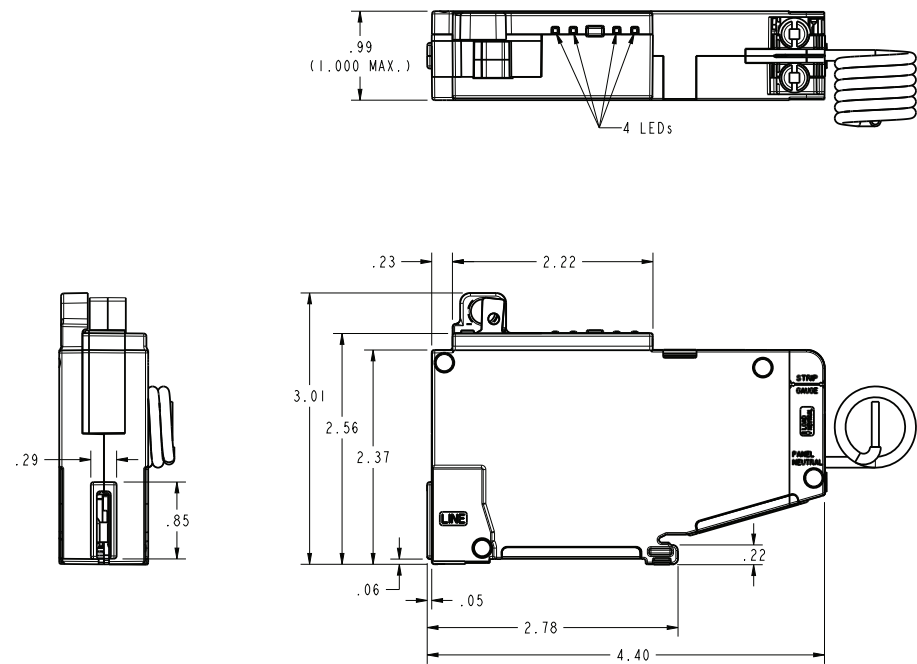


Hardware Overview



Dimensions

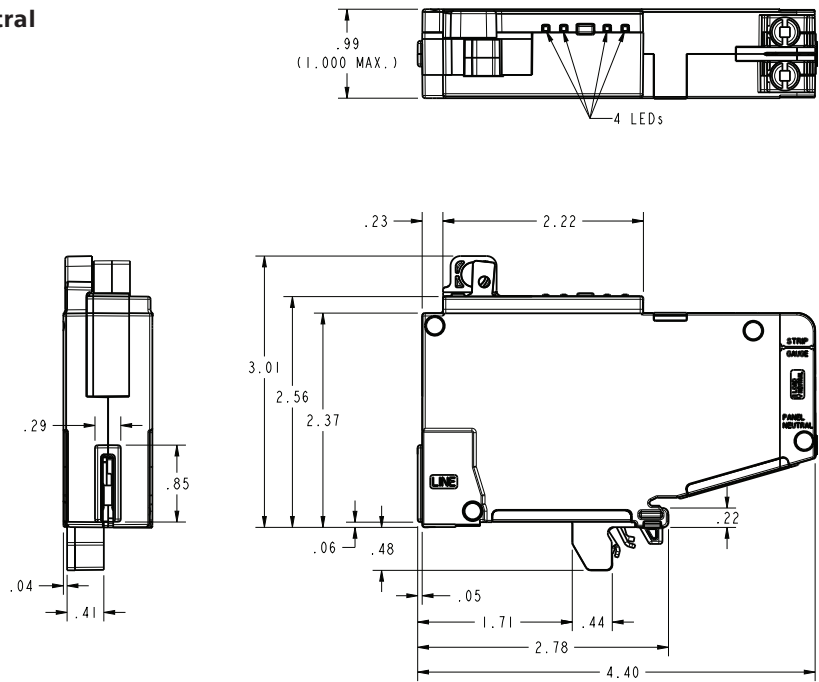
1-Pole Pigtail



QP TYPE BREAKERS

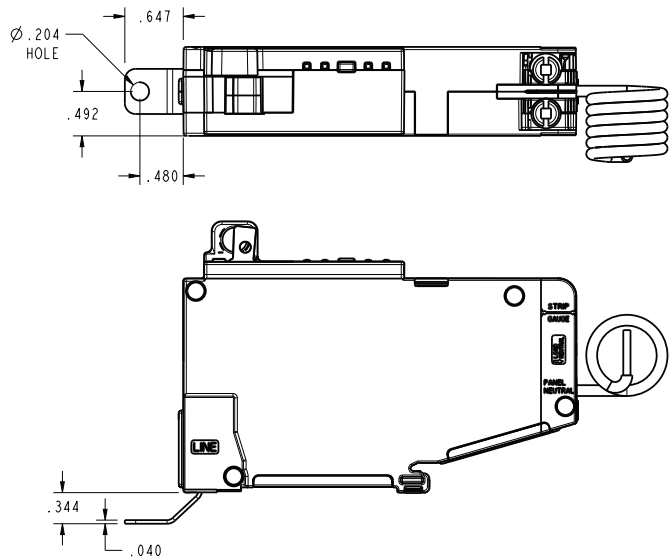
Dimensions

1-Pole Plug-on-Neutral



NP TYPE BREAKERS
(SAME AS QP TYPE EXCEPT AS SHOWN)

1-Pole Bolt-on



BL TYPE BREAKERS
(SAME AS QP TYPE EXCEPT AS SHOWN)

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