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Introducing Eaton's BR & CH plug-on neutral portfolio

Eaton's BR and CH plug-on neutral (PON) portfolio is the latest step in the evolution of Eaton's line of residential loadcenters and circuit breakers. Redesigned with customer feedback in mind, the plug-on neutral loadcenter and breaker offering is built to improve the safety and ease of installation, while reducing installation time and offering a more professional look and feel.

Scope of new offering

The scope of the PON offering includes both BR and CH single-phase loadcenters, 12 spaces and above, in NEMA 1 indoor and NEMA 3R outdoor types. PON will become Eaton's new standard offering for all loadcenters within this scope.

The old style loadcenters will be obsoleted once inventory in the warehouse is depleted. This includes the existing style CH PON loadcenters & breakers as well as BR Quick Connect loadcenters & breakers. Just to provide an idea of the size of this new offering, there are over 350 new catalog numbers for loadcenters, covers, electronic circuit breakers, and accessories.



Powering Business Worldwide

BR and CH plug-on neutral (PON) features and benefits

QUICK

Shared features across the BR and CH PON offerings:

Q Plug-on neutral:

- E Eliminates the pigtail connection providing time and labor savings
- C Provides a professional installation

E Optimized knockouts:

- Optimized knockout locations for additional access
- Easier to remove

Q Inboard neutral:

- E Increases gutter space to allow for professional installation of conductors

Q Drywall offset: (on both sides of the can):

- E Self-leveling tabs allow for quick drywall offset

C Smooth case edges:

- Providing a more professional look and feel

E 2/0 Lug:

- Easily removable and can be installed in any location on the neutral bar

Q Grounding screw:

- E Grounding screw replaces Z-strap to provide a quick and easy means of bonding the neutral and ground

Q Common drive types:

- E Minimizes number of tools required for installation as the neutral bar and breaker screws will share a common drive type

EASY



Image above represents the BR PON offering

CLEAN

Features specific to BR PON offering:

Q BR short-body PON breakers:

- E Short-body configuration maximizes gutter space providing ease of installation of the conductors
- C Reduced clutter of pigtails provides a clean gutter space
- Quick and clean installation, along with a consistent form and fit

Q Backed out neutral screws:

- Allows for quick connection of neutral and ground conductors

10 year warranty on BR loadcenters and circuit breakers

Features specific to CH PON offering:

C One piece silver flashed copper bus:

- Provides superior conductivity, corrosion resistance, and durability

C Unique sandalwood finish:

- Aesthetically appealing, scratch-resistant powder coating

E Full length neutral bars

- Offers additional terminations to land the neutral and ground conductors

E CHF AFCI/GFCI/Thermal magnetic breakers:

- Mechanical flag for trip indication (on thermal mag, AFCI & GFCI)
- All CH breakers provide a 2 position handle with simple 1 step reset

E Separately packaged covers for the CH loadcenters:

- Help protect from shipping damage

Limited lifetime warranty on all CH loadcenters and circuit breakers (including electronic breakers)

Cover features:

E Improved twist-outs:

- Easier to remove twistouts

C Embossed circuit numbers:

- Durable circuit numbering with added marking for twin breakers

E Keyhole hanging feature:

- Ease of cover installation

C Rigid cover spine:

- Provides strength when twistouts are removed



Features & benefits

The enhancements made to the plug-on neutral offering help ensure a quick, easy, and clean installation. Every new feature integrated into the redesign addresses one or more of these three benefits – quick, easy, and clean. Some of the new features include:

- Short-body redesign of BR electronic breakers to optimize gutter space and save time with easier, more succinct installation
- LED diagnostic standard on BR electronic breakers for faster troubleshooting
- Inboard neutral to increase gutter space for easier installation of conductors
- Backed-out neutral screws to allow for quick connection of ground and neutral conductors
- Common drive types on screw connections help to reduce installation time
- Industry exclusive self-leveling tabs for a quick drywall offset
- Keyhole hanging feature on cover provides ease of installation
- Embossed circuit numbers for a clean, professional look

Plug-on neutral timeline

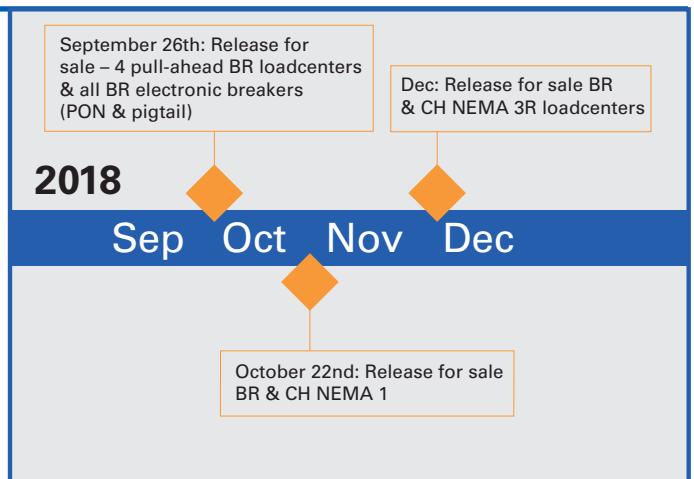
The PON launch consists of three phases. During the first phase, or “pull-ahead launch,” four high volume BR PON loadcenters and all BR PON electronic breakers will become available for sale. Also at the time of the pull-ahead launch, the BR pigtail electronic breakers will transition to the new catalog number scheme.

This pull-ahead launch will provide contractors an opportunity to try the new design in a few SKUs before fully transitioning.

The bulk of the launch will take place during the second phase, and will include all

NEMA 1 BR & CH loadcenters within the scope of the project. Initially, the new CH plug-on neutral loadcenters will utilize the legacy CH plug-on neutral breakers. In 2019, the new CH plug-on neutral breakers will become available and the CH pigtail style breakers will transition to the new catalog number scheme. The final phase will include all NEMA 3R BR & CH loadcenters.

The pull-ahead launch will take place September 26, 2018. The second phase will be October 22, 2018 followed by the third phase in December 2018.



Pull-ahead launch new plug-on neutral SKUs

PON loadcenter SKUs	Description
BRP30B200	BR main breaker 200A 30 space
BRP30L200G	BR main lug 200A 30 space w/ ground bar
BRP40B200	BR main breaker 200A 40 space
BRP40N200	BR convertible 200A 40 space
PON electronic breaker SKUs	
BRP115AF	BR PON 1 pole 15A – AFCI
BRP120AF	BR PON 1 pole 20A – AFCI
BRP115GF	BR PON 1 pole 15A – GFCI
BRP120GF	BR PON 1 pole 20A – GFCI
BRP115DF	BR PON 1 pole 15A – AFGF
BRP120DF	BR PON 1 pole 20A – AFGF
Pigtail electronic breaker SKUs	Description
BRN115GF	BR pigtail 1 pole 15A - GFCI
BRN120GF	BR pigtail 1 pole 20A - GFCI
BRN125GF	BR pigtail 1 pole 25A - GFCI
BRN130GF	BR pigtail 1 pole 30A - GFCI
BRN115DF	BR pigtail 1 pole 15A - AFGF
BRN120DF	BR pigtail 1 pole 20A - AFGF
BRN115AF	BR pigtail 1 pole 15A - AFCI
BRN120AF	BR pigtail 1 pole 20A - AFCI
BRHN115AF	BR pigtail 1 pole 15A - AFCI - 22 kAIC
BRHN120AF	BR pigtail 1 pole 20A - AFCI - 22 kAIC
BRHN115GF	BR pigtail 1 pole 15A - GFCI - 22 kAIC
BRHN120GF	BR pigtail 1 pole 20A - GFCI - 22 kAIC
BRHN125GF	BR pigtail 1 pole 25A - GFCI - 22 kAIC
BRHN130GF	BR pigtail 1 pole 30A - GFCI - 22 kAIC
BRN115EP	BR pigtail 1 pole 15A - GFCI - 30 mA
BRN120EP	BR pigtail 1 pole 20A - GFCI - 30 mA
BRN125EP	BR pigtail 1 pole 25A - GFCI - 30 mA
BRN130EP	BR pigtail 1 pole 30A - GFCI - 30 mA
BRHAFGF115	BR pigtail 1 pole 15A - AFGF - 22 kAIC
BRHAFGF120	BR pigtail 1 pole 20A - AFGF - 22 kAIC
CLCAF115	Classified pigtail 1 pole 15A - AFCI
CLCAF120	Classified pigtail 1 pole 20A - AFCI
CLGF115	Classified pigtail 1 pole 15A - GFCI
CLGF120	Classified pigtail 1 pole 20A - GFCI
CLGF125	Classified pigtail 1 pole 25A - GFCI
CLGF130	Classified pigtail 1 pole 30A - GFCI
Accessory	Description
GBKP10P	10 terminal ground bar for PON

Note: A complete list of all new PON SKUs is available in a separate document.

Pricing

Eaton has proactively updated existing price agreements (CSPs, DSPs, & DOPs). The price file containing only the pull-ahead catalog numbers has been available on VOTW since end of August. If you have not already done so, please download those files now as they will be taken down at the beginning of October.

To retrieve pricing for the pull-ahead and the balance of the catalog numbers included in the plug-on neutral launch, there are a couple different options. On October 15th, the GPI price **file** containing these new catalog numbers will become available on VOTW. If pricing needs to be accessed prior to October 15th, a standard DSP or CSP price **report** can be pulled for a future date. Pulling the price **report** for a date past November 15th will allow visibility to both current and future (post-GPI) prices. Please **do not** request a price **file** prior to November 15th as it will not show post-GPI prices.

In summary, to obtain pricing on the new plug-on neutral catalog numbers outside of the pull-ahead launch, either wait until October 15th when the price **file** becomes available on VOTW or request a price **report** for a future date beyond November 15th.

Inventory & returns

Once the new PON offering becomes available, the expectation is to conduct business as normal. The non-PON offering is still suitable for use so channel partners are expected to sell through their existing inventory of the non-PON design.

When it comes time to place a replenishment order, the distributor would then purchase the new PON offering. In summary, once the PON product launches, do not place stocking orders – only replenishment orders.

When the PON offering becomes available, the replaced non-PON loadcenters will not be eligible for full return credit as they will be non-current product. At that time, an 80% restocking fee will be applied. As previously mentioned, the non-PON product is fully functional (and still UL® listed) so should continue to be sold until inventory is depleted.

Launch plan

Currently, there is a product aid available that can be shared with your customers. At the time of the full launch, there will be channel merchandising available for purchase, including counter displays, pull-up banners, and window clings. Several resources highlighting the new offering will be available including videos, literature, and posters.

In 2019, a national promotion for PON will be announced to Eaton's channel partners.

Did you know?

- Eaton will continue to sell both BR & CH pigtail style electronic breakers to support aftermarket needs and to support small space (<12 space) non-PON loadcenters. The pigtail electronic breakers will transition to a new catalog number scheme at the times indicated in the timeline section.
- Coinciding with the PON launch, Eaton will also change the catalog number scheme of its BR pigtail electronic breakers. This will allow the new pigtail & PON breaker catalog numbers to utilize the same catalog number scheme to alleviate any potential confusion in the future.
- Pigtail style electronic breakers can be used in PON loadcenters if needed. However, the reverse is not true. PON breakers cannot be used in non-PON loadcenters.
- The existing CH PON and the new CH PON breakers are reverse compatible. In fact, when the new CH plug-on neutral loadcenters launch in Q4 2018, they will utilize the legacy CH plug-on neutral breakers. In 2019, the new CH plug-on neutral breakers will become available and the CH pigtail style breakers will transition to the new catalog number scheme.
- Eaton was able to consolidate the loadcenter offering due to the removal of circuit total limiting (CTL) language from UL67. This allows all PON loadcenters to have a circuit count equal to double the space count.
- Since the PON loadcenter design is changing, there will be new covers and accessories as well.