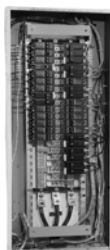


Product Selection Guide

Product Types



| Type PRL1X | Fusible Lighting Panelboard PRL1XF | Type PRL1X-LX Column Type | Type PRL2X |
|---|--|---|---|
| Bolt-On or Plug-On Circuit Breakers 240 Vac Maximum | 240 and 480Y/277 Vac Maximum | Bolt-On Circuit Breakers 240 Vac Maximum | Bolt-On Circuit Breakers 240 or 480Y/277 Vac; 125/250 Vdc Maximum |
| Main lugs only 600 A maximum | Main lugs only 400 A maximum | Main lugs only 225 A maximum | Main lugs only 600 A maximum |
| Main Circuit breaker 600 A maximum | Branch overcurrent protective devices 30 A maximum, Single-, two- and three-pole utilizing Class CC fuses | Main circuit breaker 225 A maximum | Main circuit breaker 600 A maximum |
| Branch circuit breakers 100 A maximum, Single-, two- and three-pole | | Branch circuit breakers 100 A maximum, Single-, two- and three-pole | Branch circuit breakers 100 A maximum, Single-, two- and three-pole |



| Retrofit Panelboard PRL1RX and PRL2RX | Type PRL3E | Type PRL3X | Type PRL3XF |
|---|---|---|--|
| Bolt-On Circuit Breakers 480Y/277 Vac; 240 Vac, 480Y/277 Vac | Bolt-On Circuit Breakers 240, 480Y/277 or 480 Vac; 250 Vdc Maximum | Bolt-On Circuit Breakers 240, 480 or 600 Vac; 250 Vdc Maximum | Bolt-On Fusible Switches 240, 480 or 600 Vac; 125 Vdc Maximum |
| Main lugs only 225 A maximum | Main lugs only 600 A maximum | Main lugs only 800 A maximum | Main lugs only 400 A maximum |
| Main circuit breaker 225 A maximum | Main circuit breaker 600 A maximum | Main circuit breaker 600 A maximum | Main fusible or non-fusible switch 400 A maximum |
| Branch circuit breakers 100 A maximum, Single-, two- and three-pole | Branch circuit breakers 125 A maximum, Single-, two- and three-pole | Branch circuit breakers 225 A maximum, Single-, two- and three-pole | Eaton Bussmann™ Type Compact Circuit Protector Base (CCP2B); Branch Fuses Bussmann TCF or FCF CUBEFuse® 100 A maximum Single-, two- and three-pole |



EATON – PANELBOARD AND LIGHTING CONTACTOR

ADP-VL67



ABSOLUTE DOMINION POWER
 Manufacturer Authorized Distributor
 & Integrated System Provider

Product Types, continued



Pow-R-Command

Bolt-On Circuit Breakers
 240 or 480Y/277 Vac

Main lugs only
 400 A maximum

Main circuit breaker
 400 A maximum

Branch circuit breakers
 225 A maximum,
 Single-, two- and three-pole

Single- and two-pole remote
 operated circuit breakers

Integral load switching and
 dimming controls



Elevator Control Panelboard

Bolt-On Fusible Switches
 600 Vac Maximum

Controls for up to four elevators
 in a single panelboard

Main lugs only
 800 A maximum

Branch overcurrent devices
 15-200 A fusible switches with
 Class J fuse clips maximum

Designed to meet specific
 sections of various codes
 impacting elevators



Type PRL4X

Circuit Breakers or Fusible Switches
 240, 480 or 600 Vac; 600 Vdc Maximum

Main lugs only
 1200 A maximum

Main circuit breaker
 1200 A maximum

Main fusible switch
 1200 A maximum

Branch circuit breakers
 1200 A maximum,
 Single-, two- and three-pole

Branch fusible switches
 1200 A maximum,
 two- and three-pole



Fusible Lighting Panelboard PRL2XF

**240 and 480Y/277 Vac
 Maximum**

Main lugs only
 400 A maximum

Branch overcurrent
 protective devices
 30 A maximum,
 Single-, two- and three-pole
 utilizing Class CC fuses



Type PRL2X-LX, Column Type

Bolt-On Circuit Breakers
 240 or 480Y/277 Vac;
 125/250 Vdc Maximum

Main lugs only
 225 A maximum

Main circuit breaker
 225 A maximum

Branch circuit breakers
 100 A maximum,
 Single-, two- and three-pole

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Pow-R-Line Xpert Panelboards

Type PRL4X



Type PRL4X Circuit Breaker and Type PRL4F Fusible Panelboards

Enclosures

Boxes are code-gauge steel, which include a painted box finished in ANSI-61 light gray to match the trim.

Standard panelboard cabinets are designed for indoor use. Alternate types are available for indoor and special purpose applications.

All enclosures are furnished in accordance with Underwriters Laboratories standards and include wiring gutters with proper wire bending space. Special cabinets can be provided at an additional charge.

The box dimensions shown are inside dimensions. For outside dimensions, add 1/4-inch (6.4 mm).

Standard panelboard boxes are supplied without knockouts (blank endwalls).

Fronts

Fronts (trims) for all panelboards are made of code-gauge steel and have a high durability ANSI-61 light gray finish applied by a baked-on polyester powder coating paint system.

The fronts for lighting and appliance branch circuit panelboards and small power distribution panelboards include a door with rounded corners and concealed hinges. A flush-type latch and lock assembly is included. All locks are keyed alike. The trims are available in both surface- and flush-mounted designs.



Product Description

Lighting and Distribution Panelboards

Eaton's assembled panelboards are designed for sequence phase connection of branch circuit devices. This allows complete flexibility of circuit arrangement (single-, two- or three-pole) to allow balance of the electrical load on each phase.

Sturdy, rigid chassis assembly ensures accurate alignment of interior with panel front. This prevents flexing and minimizes possibility of loosening or damage to current carrying parts during and after installation.

Four-point in-and-out adjustment of panel interior is provided to meet critical depth dimensions on flush installations. This compensates for possible misalignment of box at installation.

Main lugs are mechanical solderless type and approved for copper or aluminum conductors.

Fronts for power distribution panelboards utilize a unique breaker front cover design in which each device has a dedicated bolt-on steel cover. The individual covers form a single deadfront for the panelboard that is used in conjunction with two wiring gutter covers to complete the trim. A door is not included as part of the standard offering, but can be provided at an additional cost. A deeper than standard box is also required.

The Three-Piece Trim for Larger Power Distribution Panelboards Provides for Easy Handling and Installation



Volume 2 – Commercial Distribution CA0810003E—November 2023 www.eaton.com



Pow-R-Line Xpert Panelboards



Type PRL4X Circuit Breaker and Type PRL4F Fusible Panelboards

Type PRL4X

Product Description

- 600 Vac maximum (600 Vdc)
- Three-phase, four-wire, three-phase three-wire, single-phase three-wire, single-phase two-wire
- PRL4X circuit breaker panelboard
- PRL4F fusible switch panelboard
- 1200 A maximum mains
- 1200 A maximum branch devices
- Bolt-on branch devices
- Factory assembled
- Refer to **Page V2-T3-7** for additional information

Application Description

- Power distribution panelboard
- Fully rated or series rated
- Interrupting ratings up to 200 kA symmetrical
- Suitable for use as Service Entrance Equipment, when specified on the order
- See **Pages V2-T3-7** through **V2-T3-17** for additional information

Standards and Certifications

- UL 67, UL 50
- CSA C22.2 No. 29
- Federal Specification
- W-P-115c
- Refer to **Page V2-T3-10** for additional information



Product Selection

Type PRL4X



PRL4X Main Lugs and Main Breakers

| Ampere Rating | Interrupting Rating (kA Symmetrical) | | | | 250 Vdc | 600 Vdc | Breaker Type |
|----------------------------------|--------------------------------------|---------|---------|---------|---------|-----------------------|--------------|
| | 240 Vac | 480 Vac | 600 Vac | 600 Vac | | | |
| Main Lug Only | | | | | | | |
| 250 | — | — | — | — | — | — | — |
| 400 | — | — | — | — | — | — | — |
| 600 | — | — | — | — | — | — | — |
| 800 | — | — | — | — | — | — | — |
| 1200 | — | — | — | — | — | — | — |
| Main Breaker ¹ | | | | | | | |
| 250 | — | — | — | 42 | 35 | HJDDC ² | |
| 400 | 65 | — | — | 10 | — | PDD3xG | |
| 400 | 65 | 35 | 25 | 10 | — | PDG3xG ^j | |
| 400 | 65 | 35 | 25 | — | — | PDF3xG ^{3 4} | |
| 400 | 100 | 65 | 35 | 22 | — | PDG3xM ^j | |
| 400 | — | — | — | 42 | 35 | HKDDC ² | |
| 400 | 100 | 65 | 35 | 42 | — | LHH | |
| 400 | 100 | 65 | 35 | — | — | PDF3xM ^{3 4} | |
| 400 | 200 | 100 | 65 | 22 | — | PDG3xP ^j | |
| 400 | 200 | 200 | 200 | — | — | LA-P | |
| 600 | 65 | 35 | 18 | 22 | — | PDG3xG ^{1 j} | |
| 600 | 100 | 65 | 35 | 22 | — | PDG3xM ^{1 j} | |
| 600 | 200 | 100 | 50 | 42 | — | PDG3xP ^j | |
| 600 | 65 | 35 | 25 | — | — | CLD ³ | |
| 800 | 65 | 50 | 25 | 22 | — | PDG4xG | |
| 800 | 100 | 65 | 35 | 25 | — | PDG4xM | |
| 800 | — | — | — | 42 | 35 | HMDLDC ² | |
| 800 | 65 | 50 | 25 | — | — | PDF4xG ³ | |
| 800 | 100 | 65 | 35 | — | — | PDF4xM ³ | |
| 800 | 200 | 200 | 200 | — | — | NB-P | |
| 800 | 100 | 65 | 35 | — | — | PDG5xM | |
| 800 | 200 | 100 | 65 | — | — | PDG5xP | |
| 800 | 200 | 100 | 65 | — | — | PDG5xP | |
| 800 | 100 | 65 | 35 | — | — | PDG5xM | |
| 800 | 85 | 50 | 25 | — | — | NGS | |
| 800 | 65 | 50 | 25 | — | — | CND ^{3 5} | |
| 800 | 200 | 100 | 65 | — | — | CNGC ^{3 5} | |
| 800 | 100 | 65 | 35 | — | — | CNGH ^{3 5} | |
| 800 | 85 | 50 | 25 | — | — | CNGS ^{3 5} | |
| 1200 | 100 | 65 | 35 | — | — | PDG5xM | |
| 1200 | 200 | 100 | 65 | — | — | PDG5xP | |
| 1200 | 85 | 50 | 25 | — | — | NGS | |
| 1200 | 65 | 50 | 25 | — | — | CND ^{3 5} | |
| 1200 | 200 | 100 | 65 | — | — | CNGC ^{3 5} | |
| 1200 | 100 | 65 | 35 | — | — | CNGH ^{3 5} | |
| 1200 | 85 | 50 | 25 | — | — | CNGS ^{3 5} | |
| 1200 | — | — | — | 42 | 50 | NBDC ² | |

PRL4X Main Fusible Switches

| Ampere Rating | Interrupting Rating (kA Symmetrical) | | Device Type |
|--|--------------------------------------|---------|-------------|
| | 240 Vac | 480 Vac | |
| Main Fusible Switch 240 Vac, 250 Vdc ^{6 7 8} | | | |
| 200 | — | — | FDPB |
| 400 | — | — | FDPW |
| 600 ⁹ | — | — | FDPW |
| 800 ⁹ | — | — | FDPW |
| 1200 ⁹ | — | — | FDPW |
| Main Fusible Switch 600 Vac ^{6 7} | | | |
| 200 | — | — | FDPB |
| 400 | — | — | FDPW |
| 600 ⁹ | — | — | FDPW |
| 800 ⁹ | — | — | FDPW |
| 1200 ⁹ | — | — | FDPW |

Notes

- For ground fault protection on main devices, see **Modification 14—Applies to 310 and 310+ Trip Units on Page V2-T3-93 or Modification 15 on Page V2-T3-93.**
- For use on DC systems only.
- 100% rated breaker. Requires copper bus. Not available in Type 12, 4 and 4X enclosures.
- Breaker only available in three-pole frame.
- Requires 44-inch (1117.6 mm) wide box.
- For ground fault protection on main devices, see **Modification 15 on Page V2-T3-93.**
- Fuses not included. **Specify required fuse clips on all switches.**
- Class J Fuse provisions are applicable only to 600 V units. When required, use dimensions of 600 V units for all voltages 600 and below.
- No DC rating on 600, 800 and 1200 A switches.
- The 400 A frame must use trip units of ratings 100-400, while the 600 A frame must use trip units of ratings 500, 600 or designated by H, such as H250. The H as the leading character of the ampacity indicates a high instantaneous version of the breaker for coordination purposes. H ratings must use 600 A frame.

