Renewal Parts **RP01400001E**

Effective October 2017
Supersedes February 2009

# Current Eaton panelboards



PRL1a PRL1a-LX PRL2a PRL2a-LX PRL3a PRL4B PRL4F PRL5P Pow-R-Command

## Contents


| Description | Page |
|---|---|
| Procedure for identifying panelboard type | 2 |
| Procedure for identifying renewal parts | 2 |
| Distributor ordering instructions | 2 |
| Eaton satellite plants | 3 |
| **PRL1a, 2a parts** | |
| Connector kits, vertical breakers | 4 |
| Connector kits, lug assemblies | 5 |
| Connector kits, horizontally mounted, PRL1a | 8 |
| Neutral assemblies | 11 |
| Ground assemblies | 15 |
| Service entrance bonding jumper kits | 15 |
| Service entrance main breaker kits | 15 |
| Deadfront covers | 16 |
| Special trim locks | 18 |
| EZ trim locks | 18 |
| Fastrim clamps and hardware kits | 18 |
| **PRL3a parts** | |
| Connector kits assemblies | 19 |
| Ground assemblies | 20 |
| Service entrance bonding jumper kits | 20 |
| Service entrance main breaker kits | 20 |
| Deadfront covers | 20 |

| Description | Page |
|---|---|
| **PRL4 parts** | |
| Vented cover assemblies and side gutter covers | 23 |
| Blank covers | 24 |
| Breaker connector kits | 24 |
| Fusible connector kits | 25 |
| Breaker retrofit kits | 26 |
| Fusible retrofit kits | 27 |
| PRL1a, 2a, 3a EZ trims and enclosures | 27 |
| PRL1a, 2a, 3a special trims and enclosures | 28 |
| PRL4 special trims and enclosures | 29 |
| Type 12/3R enclosures | 30 |
| Ordering procedure | 30 |
| **PRL5P parts** | |
| Chassis layout | 31 |
| Breaker adapter unit catalog numbers | 32 |
| Branch breaker information | 32 |
| Main or through-feed lugs | 33 |
| Neutrals and grounds | 34 |
| Boxes, trims, and filler plates | 34 |
| PRL1a, 2a-LX column panelboards | 35 |
| Pow-R-Command | 35 |
| Additional services | 35 |


Powering Business Worldwide

**Table 1. Product history time line**

| Product | 1985 | 1990 | 1995 | Present |
|---|---|---|---|---|
| PRL1a, 2a | | | ◄ | Oct. 1996 ► |
| PRL3a | | | ◄ | Mar. 1994 ► |
| PRL4B/F | ◄ | | | Oct. 1987 ► |
| PRL5P | | | ◄ | Aug. 1995 ► |
| PRL1a, 2a-LX | | | ◄ | Dec. 1997 ► |
| Pow-R-Command™ | | | ◄ | Mar. 1996 ► |

## Procedure for identifying panelboard type

The current line of Pow-R-Line C™ panelboards was introduced in 1993.

A panelboard is identified by data found on the nameplate. Pow-R-Line C panelboard nameplates are different in appearance, but all have the same critical information:

- Ampere rating of the main
- Ampere rating of the neutral
- Type of service (phase/wire)
- Manufacturing location
- Type of panel
- General order number

In the event the nameplate is missing, it may still be possible to identify the panel type by location of the neutral bar. **Figure 1** shows the position of the neutral in the panelboard.

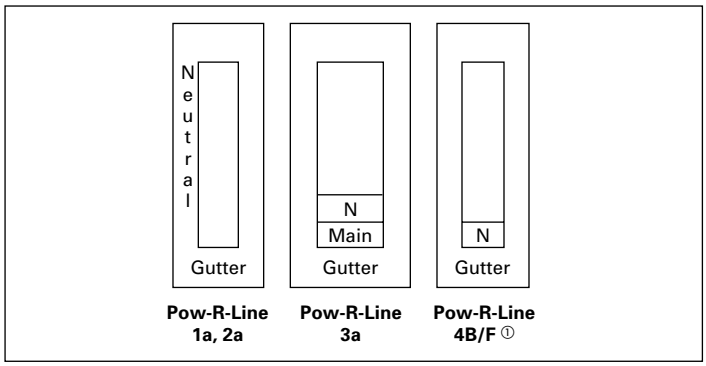



**Figure 1. Position of the neutral in the panelboard**

① PRL4F panels with vertical-mounted main switch will have the neutral mounted at the opposite end the main.

Box width may also help identify the panelboard type. Standard width for PRL1a, PRL2a, and PRL3a is 20.00 inches (508.0 mm). PRL4 standard widths are 24.00, 36.00, and 44.00 inches (609.6, 914.4, and 1117.6 mm).

**⚠ WARNING**

**HAZARDOUS VOLTAGE WILL CAUSE SEVERE INJURY OR DEATH. TURN OFF POWER SUPPLY TO EQUIPMENT BEFORE WORKING ON IT.**

## Procedure for identifying renewal parts

1. Identify the type of panelboard, i.e., PRL1a, PRL2a, PRL3a, PRL4, PRL5P by reading the nameplate. Follow the procedure listed to the left.
2. Refer to the listing below and turn to the proper section in this document to identify standard parts.

**Description** **Page**

PRL1a and PRL2a . . . . . 4
Trim locks . . . . . 18
Trim clamps . . . . . 18
PRL3a . . . . . 19
PRL4 . . . . . 23
Special trims and enclosures . . . . . 29
PRL5P . . . . . 31
PRL1a-LX and PRL2a-LX (column width) . . . . . 35
Pow-R-Command . . . . . 35

3. This book identifies those replacement parts most frequently ordered and which are readily available from stock. These parts can be ordered by style or catalog number to speed up processing and delivery.

### Distributor ordering instructions

1. Specify part by style/part number.
2. Refer to PL01400001E for pricing information. Discount Symbol CE9 applies.
3. Turn to **page 3** to locate nearest satellite plant.
4. Enter the order on the satellite plant via mail, fax, or phone.
5. Selling policy 25-000 applies.

## Eaton satellite plants

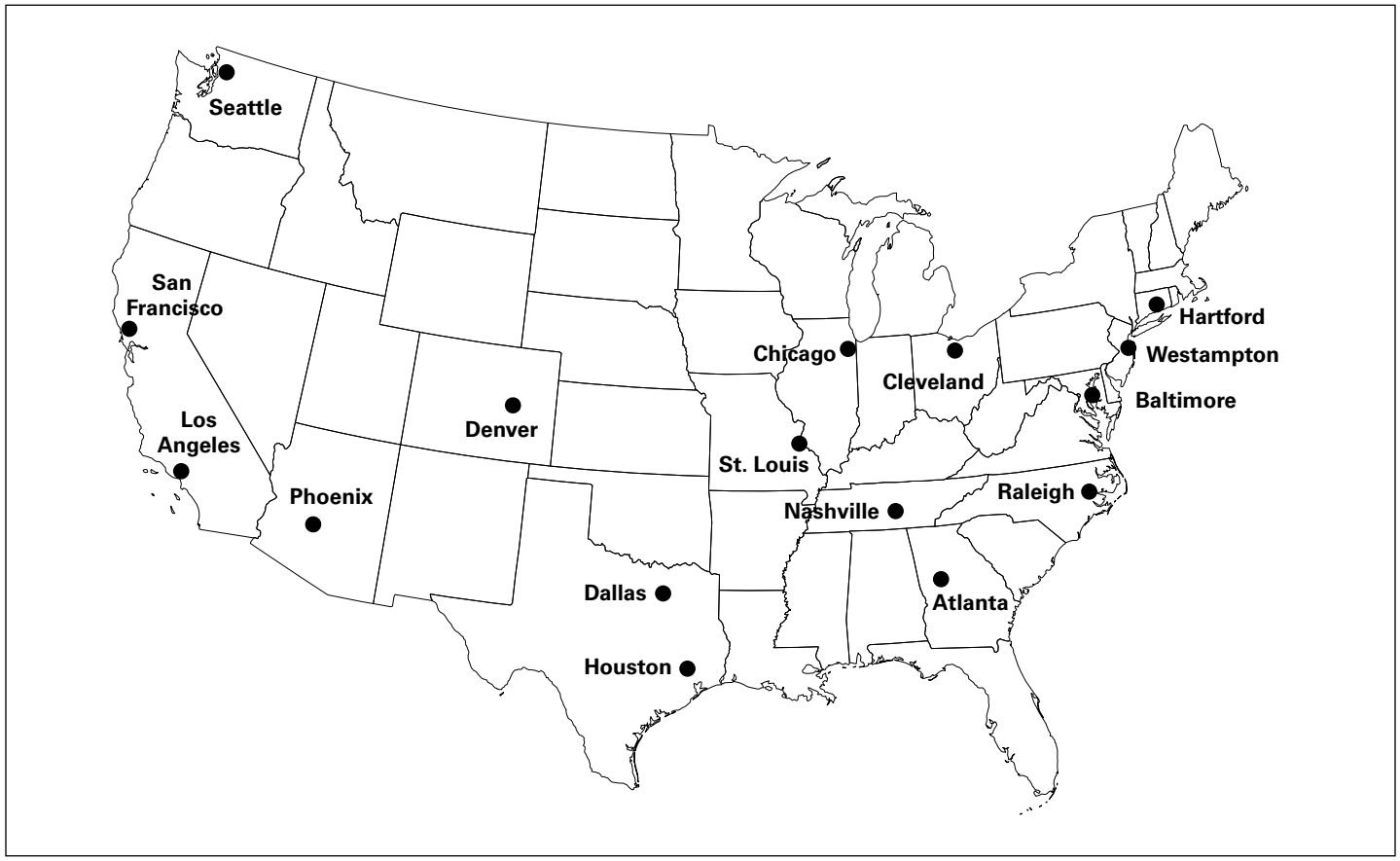



**Figure 2. Satellite plants**

**Atlanta**
7000 Highlands Parkway SE
Suite 102
Smryna, GA 30082
678.309.4260

**Baltimore**
7451 Coca Cola Drive
Suite C
Hanover, MD 21076
410.796.7777

**Chicago**
230 Windy Point Drive
Glendale Heights, IL 60139
630.260.6303

**Cleveland**
12875 Corporate Drive
Unit E
Parma, OH 44130
216.265.3284

**Dallas**
631 Westport Parkway
Suite 100
Grapevine, TX 76051
817.251.6733

**Denver**
2450 Airport Road
Suite C
Aurora, CO 80011
303.366.2080

**Hartford**
40A International Drive
Windsor, CT 06095
860.298.1305

**Houston**
14825 Northwest Freeway
Suite 100
Houston, TX 77040
713.744.7530

**Los Angeles–P&S**
13201 Dahlia Street
Suite 300
Fontana, CA 92337
919.428.8903

**Nashville**
1421 Gould Boulevard
Suite C
La Vergne, TN 37086
615.287.3200

**Phoenix**
560 N 54th Street
Suite 1
Chandler, AZ 85226
480.449.4222

**Raleigh**
9400 Globe Center Drive
Suite 121
Morrisville, NC 27560
919.544.7074

**St. Louis**
56 Soccer Park Road
Fenton, MO 63026
636.717.3500

**San Francisco**
20923 Cabot Boulevard
Hayward, CA 94545
510.784.8981

**Seattle**
1604 15th Street SW
Suite 114
Auburn, WA 98001
253.833.5021

**Westampton**
96 Stemmers Lane
Westampton, NJ 08060
609.835.4230

## PRL1a, 2a parts section


| Description | Page |
|---|---|
| Connector kits, vertical breakers | 4 |
| Connector kits, lug assemblies | 5–7 |
| Connector kits, horizontally mounted | 8–10 |
| Neutral assemblies | 11–14 |
| Ground assemblies | 15 |
| Service entrance bonding jumper kits | 15 |
| Service entrance main breaker kits | 15 |
| Deadfront covers | 16–17 |
| Panelboard special trim locks | 18 |
| Panelboard EZ trim locks | 18 |
| Panelboard Fastrim clamps and screw-on hardware kits | 18 |


## PRL1a, 2a connector kits

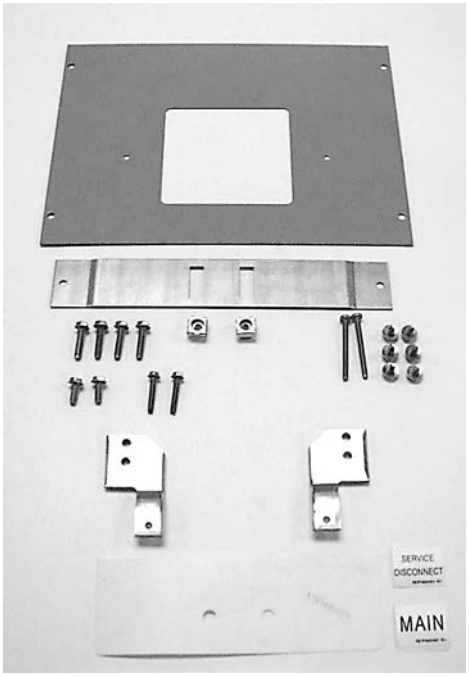
**Table 2. Vertical breaker assemblies**

| | | Three-phase | | Single-phase | |
|---|---|---|---|---|---|
| | | Tin-plated aluminum connector | Silver-plated copper connector | Tin-plated aluminum connector | Silver-plated copper connector |
| Device type ① | Device mounting | Catalog number | | | |
| F-Frame ② (100 A maximum) | Top fed | **KB13AFT** | **KB13SFT** | **KB11AFT** | **KB11SFT** |
| | Bottom fed | **KB13AFB** | **KB13SFB** | **KB11AFB** | **KB11SFB** |
| F-Frame ③ (225 A maximum) | Top fed | **KB23AFT** | **KB23SFT** | **KB21AFT** | **KB21SFT** |
| | Bottom fed | **KB23AFB** | **KB23SFB** | **KB21AFB** | **KB21SFB** |
| J-Frame | Top fed | **KB43AJT** | **KB43SJT** | **KB41AJT** | **KB41SJT** |
| | Bottom fed | **KB43AJB** | **KB43SJB** | **KB41AJB** | **KB41SJB** |
| K-Frame | Top fed | **KB43AKT** | **KB43SKT** | **KB41AKT** | **KB41SKT** |
| | Bottom fed | **KB43AKB** | **KB43SKB** | **KB41AKB** | **KB41SKB** |

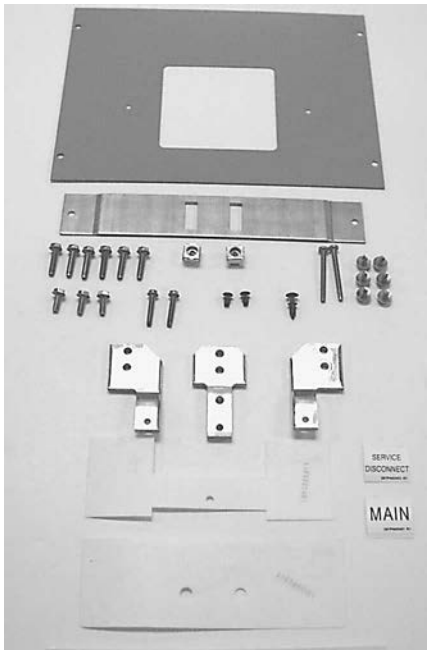
① Order main or sub-feed breaker separately when ordering above connector kits.

② EHD, FD, HFD, FDC.

③ FD, HFD, FDC, ED, EDH, EDC.




KB11AFT




KB13AFT

**Table 3. 100 A lug assemblies**

| | | | | Three-phase | | Single-phase | |
|---|---|---|---|---|---|---|---|
| | | | | Tin-plated aluminum connector | Silver-plated copper connector | Tin-plated aluminum connector | Silver-plated copper connector |
| **Lug type** | **Panel lug options ①** | **Wire size range** | **Quantity per phase** | **Catalog number** | | | |
| Aluminum/copper mechanical | STD | #14–1/0 | 1 | **KL13AMS** | **KL13SMS** | **KL11AMS** | **KL11SMS** |
| | SFL | #14–1/0 | 2 | **KL13AMF** | **KL13SMF** | **KL11AMF** | **KL11SMF** |
| | OVS | #6–300 kcmil | 1 | **KL13AMO** | **KL13SMO** | **KL11AMO** | **KL11SMO** |
| Crimp | STD | #1–1/0 | 1 | **KL13AVS** | **KL13SVS** | **KL11AVS** | **KL11SVS** |
| | SFL | #1–1/0 | 2 | **KL13AVF** | **KL13SVF** | **KL11AVF** | **KL11SVF** |
| | OVS | 2/0–300 kcmil | 1 | **KL13AVO** | **KL13SVO** | **KL11AVO** | **KL11SVO** |
| Copper mechanical | STD | #14–1/0 | 1 | — | **KL13SCS** | — | **KL11SCS** |
| | SFL | #14–1/0 | 2 | — | **KL13SCF** | — | **KL11SCF** |
| | OVS | #6–250 kcmil | 1 | — | **KL13SCO** | — | **KL11SCO** |

① STD = Standard lugs. Use for main or through-feed.
SFL = Sub-feed lugs.
OVS = Oversize lugs. Use for main or through-feed.



KL13AMS



KL11AVS

**Table 4. 225 A lug assemblies**

| | | | | Three-phase | | Single-phase | |
|---|---|---|---|---|---|---|---|
| | | | | Tin-plated aluminum connector | Silver-plated copper connector | Tin-plated aluminum connector | Silver-plated copper connector |
| **Lug type** | **Panel lug options ①** | **Wire size range** | **Quantity per phase** | **Catalog number** | | | |
| Aluminum/copper mechanical | STD | #6–300 kcmil | 1 | **KL23AMS** | **KL23SMS** | **KL21AMS** | **KL21SMS** |
| | SFL | #6–300 kcmil | 2 | **KL23AMF** | **KL23SMF** | **KL21AMF** | **KL21SMF** |
| | OVS | 4/0–500 kcmil | 1 | **KL23AMO** | **KL23SMO** | **KL21AMO** | **KL21SMO** |
| Crimp | STD | 2/0–300 kcmil | 1 | **KL23AVS** | **KL23SVS** | **KL21AVS** | **KL21SVS** |
| | SFL | 2/0–300 kcmil | 2 | **KL23AVF** | **KL23SVF** | **KL21AVF** | **KL21SVF** |
| | OVS | 4/0–500 kcmil | 1 | **KL23AVO** | **KL23SVO** | **KL21AVO** | **KL21SVO** |
| Copper mechanical | STD | #6–250 kcmil | 1 | — | **KL23SCS** | — | **KL21SCS** |
| | SFL | #6–250 kcmil | 2 | — | **KL23SCF** | — | **KL21SCF** |
| | OVS | 1/0–600 kcmil | 1 | — | **KL23SCO** | — | **KL21SCO** |

① STD = Standard lugs. Use for main or through-feed.
SFL = Sub-feed lugs.
OVS = Oversize lugs. Use for main or through-feed.



KL23AMS

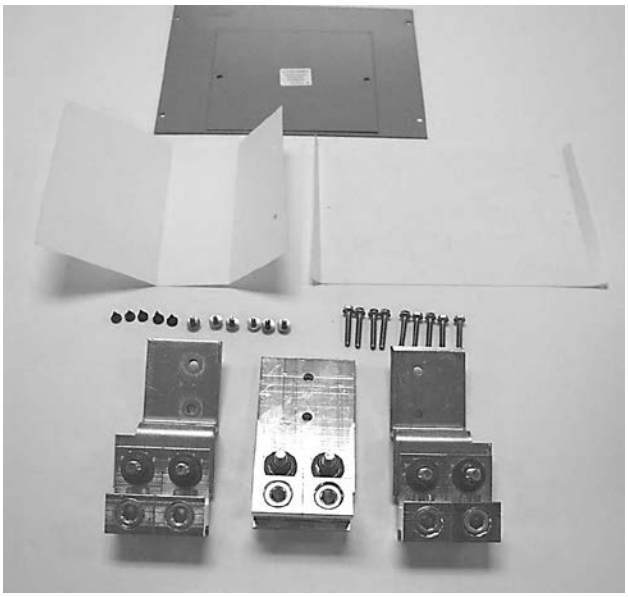


KL21AVS

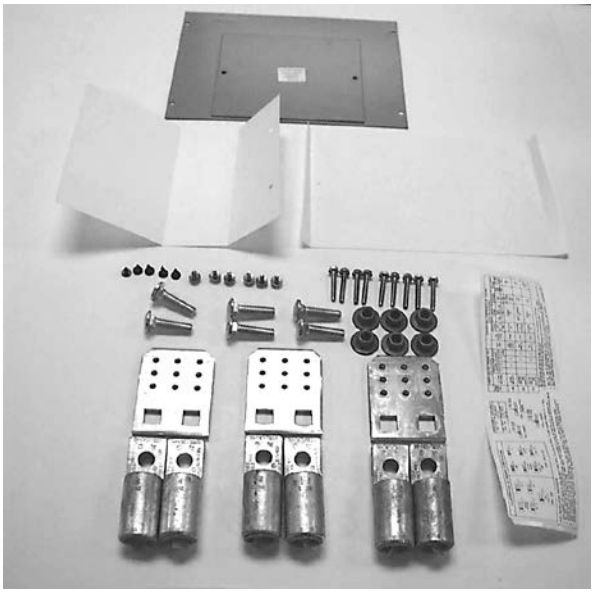
**Table 5. 400 A lug assemblies**

| Lug type | Panel lug options ① | Wire size range | Quantity per phase | Three-phase | | Single-phase | |
|---|---|---|---|---|---|---|---|
| | | | | Tin-plated aluminum connector | Silver-plated copper connector | Tin-plated aluminum connector | Silver-plated copper connector |
| | | | | Catalog number | | | |
| Aluminum/copper mechanical | STD | 4/0–500 kcmil | 2 | **KL43AMS** | **KL43SMS** | **KL41AMS** | **KL41SMS** |
| | SFL | — | — | — | — | — | — |
| | OVS | 3/0–750 kcmil | 2 | **KL43AMO** | **KL43SMO** | **KL41AMO** | **KL41SMO** |
| Crimp | STD | 4/0–500 kcmil | 2 | **KL43AVS** | **KL43SVS** | **KL41AVS** | **KL41SVS** |
| | SFL | — | — | — | — | — | — |
| | OVS | 500–750 kcmil | 2 | **KL43AVO** | **KL43SVO** | **KL41AVO** | **KL41SVO** |
| Copper mechanical | STD | 1/0–600 kcmil | 1 | — | — | — | — |
| | SFL | — | — | — | — | — | — |
| | OVS | 1/0–600 kcmil | 1 | — | **KL43SCO** | — | **KL41SCO** |

① STD = Standard lugs. Use for main or through-feed.
SFL = Sub-feed lugs.
OVS = Oversize lugs. Use for main or through-feed.



KL43AMS



KL43AVS

**Table 6. 600 A lug assemblies**

| Lug type | Panel lug options ① | Wire size range | Quantity per phase | Three-phase connectors | | | | Single-phase connectors | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Tin-plated aluminum | Bare copper | Silver-plated copper | Tin-plated copper | Tin-plated aluminum | Bare copper | Silver-plated copper | Tin-plated copper |
| | | | | Catalog number | | | | | | | |
| Aluminum/copper mechanical | STD | 4/0–500 kcmil | 2 | — | **KL63CMS** | **KL63SMS** | **KL63TMS** | — | **KL61CMS** | **KL61SMS** | **KL61TMS** |
| | SFL | — | — | — | — | — | — | — | — | — | — |
| | OVS | 3/0–750 kcmil | 2 | — | **KL63CMO** | **KL63SMO** | **KL63TMO** | — | **KL61CMO** | **KL61SMO** | **KL61TMO** |
| Crimp | STD | 4/0–500 kcmil | 2 | — | **KL63CVS** | **KL63SVS** | **KL63TVS** | — | **KL61CVS** | **KL61SVS** | **KL61TVS** |
| | SFL | — | — | — | — | — | — | — | — | — | — |
| | OVS | 500–750 kcmil | 2 | — | **KL63CVO** | **KL63SVO** | **KL63TVO** | — | **KL61CVO** | **KL61SVO** | **KL61TVO** |
| Copper mechanical | STD | 1/0–600 kcmil | 1 | — | — | — | — | — | — | — | — |
| | SFL | — | — | — | — | — | — | — | — | — | — |
| | OVS | 1/0–600 kcmil | 1 | — | — | — | — | — | — | — | — |

① STD = Standard lugs. Use for main or through-feed.
SFL = Sub-feed lugs.
OVS = Oversize lugs. Use for main or through-feed.

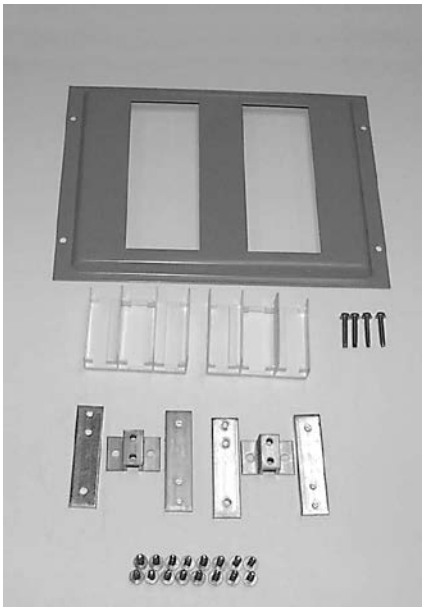
## PRL1a horizontally mounted connector kit assemblies

**Table 7. Bolt-on QUICKLAG® breaker assemblies**

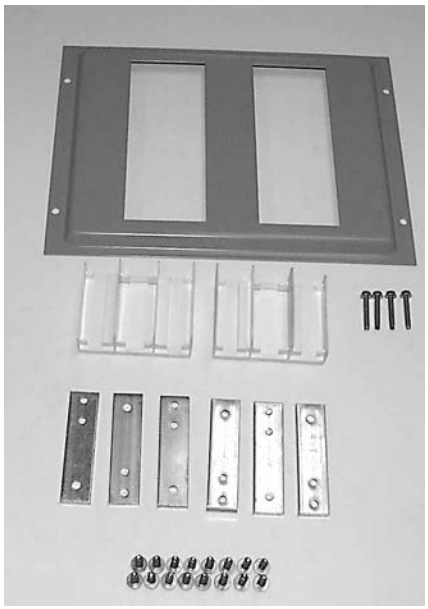
| | | | Three-phase | | Single-phase | |
|---|---|---|---|---|---|---|
| | | | Tin-plated aluminum connector | Silver-plated copper connector | Tin-plated aluminum connector | Silver-plated copper connector |
| Breaker frame | Drawing number ① | Branch circuit quantity | Item number | | | |
| BA, BAB, QBH, QBGF, QBHGF, QBGFEP, QBHGFEP | 1C96608 | 12 | G01 | G03 | G05 | G07 |
| | | 18 | G09 | G11 | G13 | G15 |
| | | 30 | G17 | G19 | G21 | G23 |
| | | 42 | G25 | G27 | G29 | G31 |
| | | 48 | G33 | G35 | G37 | G39 |
| | | 54 | G41 | G43 | G45 | G47 |
| | | 72 | G49 | G51 | G53 | G55 |
| | | 96 | G57 | G59 | G61 | G63 |

① Order the basic drawing number, along with the equivalent G–number that's needed.

**Note:** When determining branch circuit quantity, remember:
1. QUICKLAG breakers with shunt trips require one additional circuit.
2. UL® listed lighting and appliance (CTL) panelboards **cannot** exceed 42 electrically connected circuits in a single enclosure.
3. When bare copper is specified, use the silver-plated groups.
4. **Order breakers separately with connector kit.**



1C96608G01



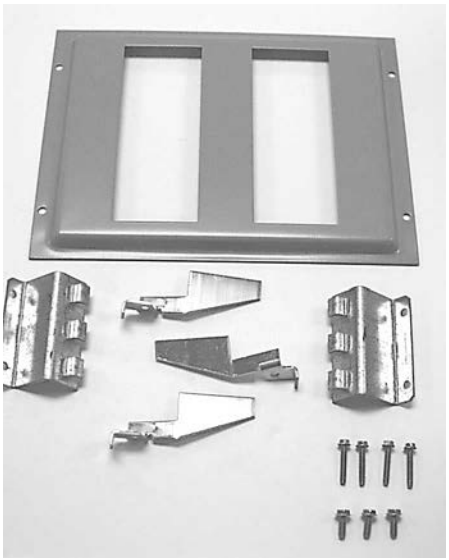
1C96608G05

**Table 8. Plug-in QUICKLAG breaker assemblies**

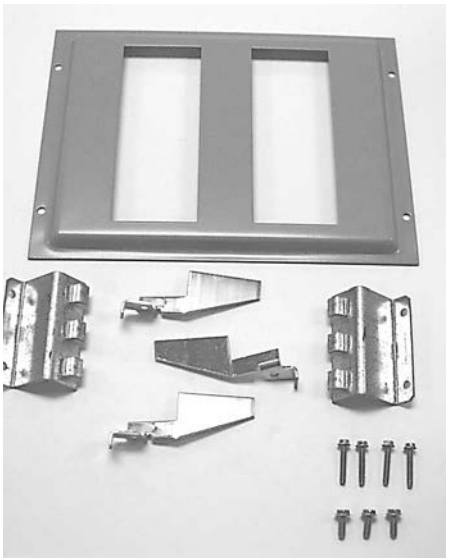
| | | | Three-phase | | Single-phase | |
|---|---|---|---|---|---|---|
| | | | Tin-plated aluminum connector | Silver-plated copper connector | Tin-plated aluminum connector | Silver-plated copper connector |
| **Breaker frame** | **Drawing number ①** | **Branch circuit quantity** | **Item number** | | | |
| HQP, QPHW, QHPX, QPGF, QPHGF, QPGFEP, QPHGFEP | 2C11642 | 12 | — | G03 | — | G07 |
| | | 18 | — | G11 | — | G15 |
| | | 30 | — | G19 | — | G23 |
| | | 42 | — | G27 | — | G31 |
| | | 48 | — | G35 | — | G39 |
| | | 54 | — | G43 | — | G47 |
| | | 72 | — | G51 | — | G55 |
| | | 96 | — | G59 | — | G63 |

① Order the basic drawing number, along with the equivalent G–number that's needed.

**Note:** When determining branch circuit quantity, remember:
1. QUICKLAG breakers with shunt trips require one additional circuit.
2. UL listed lighting and appliance (CTL) panelboards **cannot** exceed 42 electrically connected circuits in a single enclosure.
3. When aluminum is specified, use the silver-plated groups.
4. The sum of the horizontally twin-mounted breakers **shall not exceed 140 A**.
5. **Order breakers separately with connector kit.**



2C11642G03



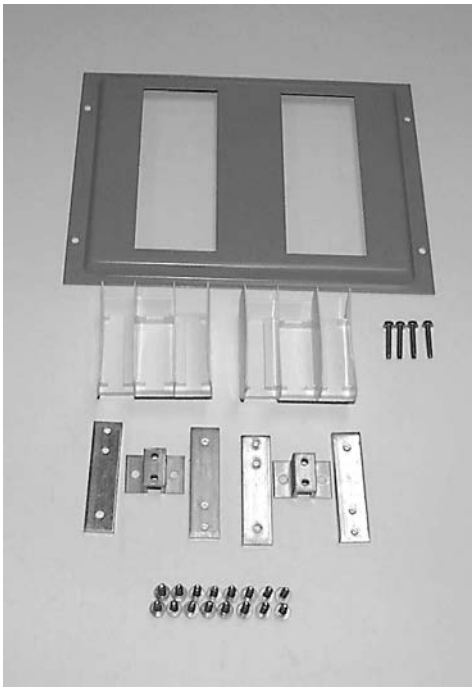
2C11642G07

**Table 9. GB, GHB, GHQ, GHBS breaker assemblies**

| | | | Three-phase | | Single-phase | |
|---|---|---|---|---|---|---|
| | | | Tin-plated aluminum connector | Silver-plated copper connector | Tin-plated aluminum connector | Silver-plated copper connector |
| Breaker frame | Drawing number ① | Branch circuit quantity | Item number | | | |
| GB, GHB, GHQ, GHBS | 1C96609 | 12 | G01 | G03 | G05 | G07 |
| | | 18 | G09 | G11 | G13 | G15 |
| | | 30 | G17 | G19 | G21 | G23 |
| | | 42 | G25 | G27 | G29 | G31 |
| | | 48 | G33 | G35 | G37 | G39 |
| | | 54 | G41 | G43 | G45 | G47 |
| | | 72 | G49 | G51 | G53 | G55 |
| | | 96 | G57 | G59 | G61 | G63 |

① Order the basic drawing number, along with the equivalent G–number that's needed.

**Note:** When determining branch circuit quantity, remember:
1. QUICKLAG breakers with shunt trips require one additional circuit.
2. UL listed lighting and appliance (CTL) panelboards **cannot** exceed 42 electrically connected circuits in a single enclosure.
3. When bare copper is specified, use the silver-plated groups.
4. **Order breakers separately with connector kit.**



1C96609G01

## PRL1a, 2a neutral assemblies

**Table 10. 100 A neutral assemblies** ①

| Panel main bus ampere rating | Neutral rating | Lug type | Drawing number ② | Panel lug options ③ | Wire size range | Quantity | Tin-plated aluminum connector Item number | Silver-plated copper connector |
|---|---|---|---|---|---|---|---|---|
| 100 | 100% | Mechanical | 1C96646 | STD | #14–1/0 | 1 | G02 | G03 |
| | | | | SFL/TFL | #14–1/0 | 2 | G05 | G07 |
| | | | | OVS | #6–300 kcmil | 1 | G09 | G11 |
| | | Crimp | 42C4050 | STD | #1–1/0 | 1 | G01 | G03 |
| | | | | SFL/TFL | #1–1/0 | 2 | G05 | G07 |
| | | | | OVS | 2/0–300 kcmil | 1 | G09 | G11 |
| | | Copper | 1C96648 | STD | #14–1/0 | 1 | — | G03 |
| | | | | SFL/TFL | #14–1/0 | 2 | — | G07 |
| | | | | OVS | #6–250 kcmil | 1 | — | G11 |
| | 200% | Mechanical | 1C96649 | STD | #6–300 kcmil | 1 | G02 | G03 |
| | | | | SFL/TFL | #6–300 kcmil | 2 | G06 | G07 |
| | | | | OVS | 4/0–500 kcmil | 1 | G09 | G11 |
| | | Crimp | 42C4051 | STD | 2/0–300 kcmil | 1 | G01 | G03 |
| | | | | SFL/TFL | 2/0–300 kcmil | 2 | G05 | G07 |
| | | | | OVS | 4/0–500 kcmil | 1 | G09 | G11 |
| | | Copper | 1C96651 | STD | #6–250 kcmil | 1 | — | G03 |
| | | | | SFL/TFL | #6–250 kcmil | 2 | — | G07 |
| | | | | OVS | 1/0–600 kcmil | 1 | — | G11 |

① The assemblies shown on this page are for panelboards that mount in 30.00–90.00-inch (762.0–2286.0 mm) high enclosures only. Reference **page 14** for assemblies for panelboards that mount in 21.00–27.00-inch (533.4–685.8 mm) high enclosures.

② Order the basic drawing number, along with the equivalent G–number that's needed.

③ STD = Standard lugs.
SFL/TFL = Sub-feed and through-feed lugs.
OVS = Oversize lugs.



1C96646G01

**Table 11. 225 A neutral assemblies** ①

| Panel main bus ampere rating | Neutral rating | Lug type | Drawing number ② | Panel lug options ③ | Wire size range | Quantity | Tin-plated aluminum connector Item number | Silver-plated copper connector |
|---|---|---|---|---|---|---|---|---|
| 225 | 100% | Mechanical | 1C96649 | STD | #6–300 kcmil | 1 | G02 | G03 |
| | | | | SFL/TFL | #6–300 kcmil | 2 | G06 | G07 |
| | | | | OVS | 4/0–500 kcmil | 1 | G09 | G11 |
| | | Crimp | 42C4051 | STD | 2/0–300 kcmil | 1 | G01 | G03 |
| | | | | SFL/TFL | 2/0–300 kcmil | 2 | G05 | G07 |
| | | | | OVS | 4/0–500 kcmil | 1 | G09 | G11 |
| | | Copper | 1C96651 | STD | #6–250 kcmil | 1 | — | G03 |
| | | | | SFL/TFL | #6–250 kcmil | 2 | — | G07 |
| | | | | OVS | 1/0–600 kcmil | 1 | — | G11 |
| | 200% | Mechanical | 1C96652 | STD | 4/0–500 kcmil | 2 | G01 | G03 |
| | | | | SFL/TFL | — | — | G05 | G07 |
| | | | | OVS | 3/0–750 kcmil | 2 | G09 | G11 |
| | | Crimp | 42C4052 | STD | 4/0–500 kcmil | 2 | G01 | G03 |
| | | | | SFL/TFL | — | — | G05 | G07 |
| | | | | OVS | 500–750 kcmil | 2 | G09 | G11 |
| | | Copper | 1C96654 | STD | 1/0–600 kcmil | 1 | — | G03 |
| | | | | SFL/TFL | — | — | — | G07 |
| | | | | OVS | 1/0–600 kcmil | 1 | — | G11 |

① The assemblies shown on this page are for panelboards that mount in 30.00–90.00-inch (762.0–2286.0 mm) high enclosures.

② Order the basic drawing number, along with the equivalent G–number that's needed.

③ STD = Standard lugs.
SFL/TFL = Sub-feed and through-feed lugs.
OVS = Oversize lugs.



1C96649G01

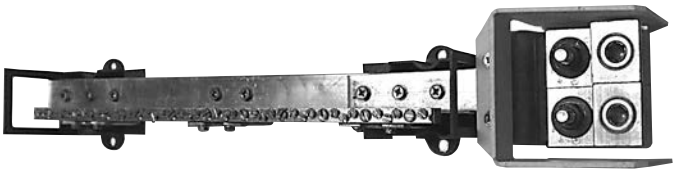
**Table 12. 400 A neutral assemblies** ①

| Panel main bus ampere rating | Neutral rating | Lug type | Drawing number ② | Panel lug options ③ | Wire size range | Quantity | Tin-plated aluminum connector Item number | Silver-plated copper connector |
|---|---|---|---|---|---|---|---|---|
| 400 | 100% | Mechanical | 1C96652 | STD | 4/0–500 kcmil | 2 | G01 | G03 |
| | | | | SFL/TFL | — | — | G05 | G07 |
| | | | | OVS | 3/0–750 kcmil | 2 | G09 | G11 |
| | | Crimp | 42C4052 | STD | 4/0–500 kcmil | 2 | G01 | G03 |
| | | | | SFL/TFL | — | — | G05 | G07 |
| | | | | OVS | 500–750 kcmil | 2 | G09 | G11 |
| | | Copper | 1C96654 | STD | 1/0–600 kcmil | 1 | — | G03 |
| | | | | SFL/TFL | — | — | — | G07 |
| | | | | OVS | 1/0–600 kcmil | 1 | — | G11 |

① The assemblies shown on this page are for panelboards that mount in 30.00–90.00-inch (762.0–2286.0 mm) high enclosures.

② Order the basic drawing number, along with the equivalent G–number that's needed.

③ STD = Standard lugs.
SFL/TFL = Sub-feed and through-feed lugs.
OVS = Oversize lugs.



1C96652G01

**Table 13. 600 A neutral assemblies** ①

| Panel main bus ampere rating | Neutral rating | Lug type | Drawing number ② | Circuit quantity | Panel lug options ③ | Tin-plated aluminum connector Item number | Bare copper | Silver-plated copper connector | Tin-plated copper connector |
|---|---|---|---|---|---|---|---|---|---|
| 600 | 100% | Mechanical | 1C96652 | 42 or less | STD | — | G02 | G03 | G04 |
| | | | | | TFL | — | G06 | G07 | G08 |
| | | | | | OVS | — | G10 | G11 | G12 |
| | | | | | OVS W/ TFL | — | G26 | G27 | G28 |
| | | Anderson | — | 42 or less | STD | — | — | — | — |
| | | | | | TFL | — | — | — | — |
| | | | | | OVS | — | — | — | — |
| | | Burndy | 42C4052 | 42 or less | STD | — | G02 | G03 | G04 |
| | | | | | TFL | — | G06 | G07 | G08 |
| | | | | | OVS | — | G10 | G11 | G12 |
| | | Copper | — | 42 or less | STD | — | — | — | — |
| | | | | | TFL | — | — | — | — |
| | | | | | OVS | — | — | — | — |
| | | | | Greater than 42 | STD | — | — | — | — |
| | | | | | TFL | — | — | — | — |
| | | | | | OVS | — | — | — | — |

① The assemblies shown on this page are for panelboards that mount in 30.00–90.00-inch (762.0–2286.0 mm) high enclosures.

② Order the basic drawing number, along with the equivalent G–number that's needed.

③ STD = Standard lugs.
SFL/TFL = Sub-feed and through-feed lugs.
OVS = Oversize lugs.

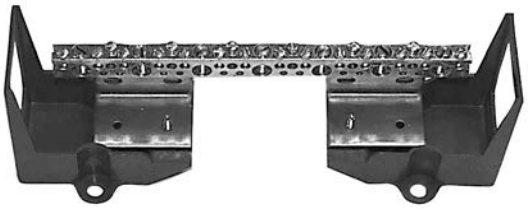
**Table 14. 100 A neutral assemblies for 21.00–27.00-inch (533.4–685.8 mm) high enclosures only ①**

| Panel main bus ampere rating | Neutral rating | Lug type | Drawing number ② | Panel lug options ③ | Wire size range | Quantity | Tin-plated aluminum connector Item number | Silver-plated copper connector |
|---|---|---|---|---|---|---|---|---|
| 100 | 100% | Mechanical | 1C96645 | STD | #14–1/0 | 1 | G01 | G03 |
| | | | | SFL/TFL | #14–1/0 | 2 | G05 | G07 |
| | | | | OVS | — | — | — | — |
| | | Crimp | — | STD | — | — | — | — |
| | | | | SFL/TFL | — | — | — | — |
| | | | | OVS | — | — | — | — |
| | | Copper | — | STD | — | — | — | — |
| | | | | SFL/TFL | — | — | — | — |
| | | | | OVS | — | — | — | — |
| | 200% | Mechanical | 1C97022 | STD | #6–300 kcmil | 1 | G01 | G03 |
| | | | | SFL/TFL | #6–300 kcmil | 2 | G05 | G07 |
| | | | | OVS | — | — | — | — |
| | | Crimp | — | STD | — | — | — | — |
| | | | | SFL/TFL | — | — | — | — |
| | | | | OVS | — | — | — | — |
| | | Copper | — | STD | — | — | — | — |
| | | | | SFL/TFL | — | — | — | — |
| | | | | OVS | — | — | — | — |

① The assemblies shown on this page are for panelboards that mount in 21.00–27.00-inch (533.4–685.8 mm) high enclosures only. Reference **page 11** for assemblies for panels that mount in 36.00, 48.00, 60.00, 72.00, and 90.00-inch (914.4, 1219.2, 1524.0, 1828.8, and 2286.0 mm) high enclosures.

② Order the basic drawing number, along with the equivalent G–number that's needed.

③ STD = Standard lugs.
SFL/TFL = Sub-feed and through-feed lugs.
OVS = Oversize lugs.



1C96645G01

## PRL1a, 2a ground assemblies

**Table 15. Standard ground**

| Drawing number ① | Enclosure height in inches (mm) | Bar material | Item number |
|---|---|---|---|
| 5158C05 | 24.00 (609.6) | Aluminum/copper | G01 |
| | | Copper | G03 |
| | 36.00 (914.4), 48.00 (1219.2), 60.00 (1524.0), 72.00 (1828.8), 90.00 (2286.0) | Aluminum/copper | G02 |
| | | Copper | G04 |

① Order the basic drawing number, along with the equivalent G–number that's needed (example: 5158C05G01).



5158C05G01



5158C05G02

**Table 16. Isolated ground**

| Drawing number ① | Enclosure height in inches (mm) | Bar material | Item number |
|---|---|---|---|
| 2C11296 | 24.00 (609.6) | Aluminum/copper | G01 |
| | | Copper | G02 |
| | 36.00 (914.4), 48.00 (1219.2), 60.00 (1524.0), 72.00 (1828.8), 90.00 (2286.0) | Aluminum/copper | G03 |
| | | Copper | G04 |

① Order the basic drawing number, along with the equivalent G–number that's needed (example: 5158C05G01).

## PRL1a, 2a service entrance bonding jumper kits

**Table 17. PRL1a, 2a service entrance bonding jumper kits**

| Drawing number ① | Panel ampere rating | Tin-plated aluminum | Bare copper | Silver-plated copper | Tin-plated copper |
|---|---|---|---|---|---|
| | | Item number | | | |
| **Mechanical main lugs or main breakers** | | | | | |
| 4180B62 | 100–225 | G01 | G02 | G03 | G04 |
| 4180B62 | 400–600 | G05 | G06 | G07 | G08 |
| **Compression (crimp) main lugs** | | | | | |
| 4180B62 | 100–225 | G09 | G10 | G11 | G12 |
| 4180B62 | 400–600 | G13 | G14 | G15 | G16 |
| **Copper main lugs** | | | | | |
| 4180B62 | 100–225 | — | G18 | G19 | G20 |
| 4180B62 | 400–600 | — | G22 | G23 | G24 |

① Order the basic drawing number, along with the equivalent G–number that's needed (example: 5158C05G01).




4180B62G01

## PRL1a, 2a service entrance main breaker kits

**Table 18. PRL1a, 2a service entrance main breaker kits**

| Description | Circuit breaker frame | Catalog number |
|---|---|---|
| Service entrance barrier for LG and KD | LG/KD | **PRLSEBLGKD** |
| Service entrance barrier for JD | JD | **PRLSEBJD** |
| Service entrance barrier for FD | FD | **PRLSEBFD** |
| Service entrance barrier for GHB | GHB | **PRLSEBGHB** |




SE barrier kit FD_016

## PRL1a, 2a deadfront covers

**Note:** Does not apply to PRL4 sub-chassis.

**Table 19. Assembly**

| Assembly drawing number ① | Standard enclosure height in inches (mm) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 24.00 (609.6) | 36.00 (914.4) | 42.00 (1066.8) | 48.00 (1219.2) | 60.00 (1524.0) | 72.00 (1828.8) | 90.00 (2286.0) |
| 1C96638 | G01 | G02 | G07 | G03 | G04 | G05 | G06 |

① Order the basic drawing number, along with the equivalent G–number that's needed (example: 1C96638G01).



1C96638G01

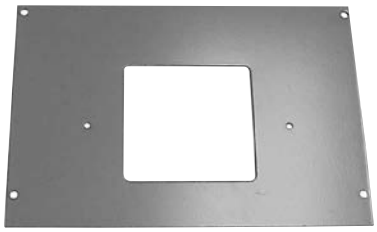
**Table 20. Vertically mounted devices**

| Mounting arrangement | Device/frame | Drawing number ① | Mounting position | Item number |
|---|---|---|---|---|
| Vertical | 100 A MLO, SFL, TFL or F-Frame (100 A maximum) | 4180B03 | Top | H01 |
| | | | Bottom | H01 |
| | 225 A MLO, SFL, TFL or F-Frame (225 A maximum) | 4180B61 | Top | H01 |
| | | | Bottom | H01 |
| | 400 A MLO, SFL, TFL or J-Frame | 4180B04 | Top | H01 |
| | | | Bottom | H02 |
| | 400 A MLO, TFL or K-Frame | 4180B05 | Top | H01 |
| | | | Bottom | H02 |
| Blank covers in inches (mm) | 1.00 (25.4) | 4180B08 | — | H01 |
| | 2.00 (50.8) | | — | H02 |
| | 3.00 (76.2) | | — | H03 |
| | 4.00 (101.6) | | — | H04 |
| | 5.00 (127.0) | | — | H05 |
| | 6.00 (152.4) | | — | H06 |
| | 7.00 (177.8) | | — | H07 |
| | 8.00 (203.2) | | — | H08 |
| | 9.00 (228.6) | | — | H09 |
| | 10.00 (254.0) | | — | H10 |
| | 11.00 (279.4) | | — | H11 |
| | 12.00 (304.8) | | — | H12 |
| | 13.00 (330.2) | | — | H13 |
| | 14.00 (355.6) | | — | H14 |
| | 15.00 (381.0) | | — | H15 |
| | 16.00 (406.4) | | — | H16 |

① Order the basic drawing number, along with the equivalent H–number that's needed (example: 4180B03H01).



4180B08H03

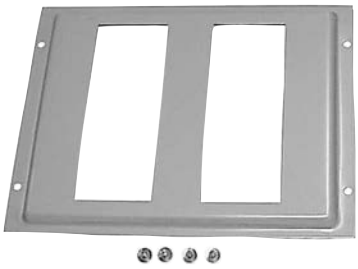


4180B03H01

**Table 21. Horizontally mounted devices**

| Mounting arrangement | Device/frame | Drawing number ① | Branch circuit quantity | Item number | Quantity required |
|---|---|---|---|---|---|
| Horizontal | BA, BAB, QBH, QBGF, QBHGF, QBGFEP, QBHGFEP | 1C96619 | 12 | H01 | 1 |
| | | | 18 | H02 | 1 |
| | | | 30 | H04 | 1 |
| | | | 42 | H06 | 1 |
| | | | 48 | H03 | 2 |
| | | | 54 | H03 and H04 | 1 each |
| | | | 72 | H05 | 2 |
| | | | 96 | H07 | 2 |
| | GB, GHB, GHQ, GHBS | 1C96620 | 12 | H01 | 1 |
| | | | 18 | H02 | 1 |
| | | | 30 | H04 | 1 |
| | | | 42 | H06 | 1 |
| | | | 48 | H03 | 2 |
| | | | 54 | H03 and H04 | 1 each |
| | | | 72 | H05 | 2 |
| | | | 96 | H07 | 2 |

① Order the basic drawing number, along with the equivalent H–number that's needed (example: 1C96619H01).



1C96619H01



1C96620H01

**Table 22. Filler covers**

| Device/frame | Drawing number | Item number |
|---|---|---|
| F, J, K ① | 4180B52 | H01 |
| QUICKLAG, GB, GHB ② | 5155C62 | H01 |

① Filler covers are required in addition to deadfront cover whenever MLO, SFL or TFL are specified.

② Filler covers are required in addition to deadfront cover whenever a branch provision is specified.



5155C62H01



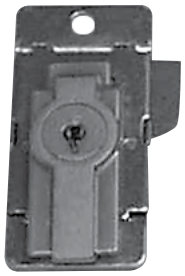
4180B52H01

## Panelboard special trim locks

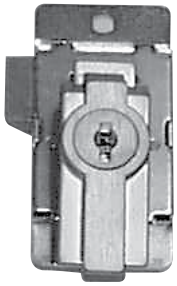
Panelboard trims use different trim locks. See pictures below for styles and part numbers. Contact your nearest satellite for availability on the styles listed below. See **page 3** for satellite listings.

**Table 23. Panelboard special trim locks**

| Description | Catalog number |
|---|---|
| For use on left-handed door (hinged on left side) | **K80522** |
| For use on right-handed door (hinged on right side) | **K80133** |
| T–Handle lock, at one time used on all trims over 48.00 inches (1219.2 mm) in height<br>Also used on outdoor NEMA® 12/3R trims | **K80429** |
| Used on PRL4 lighting and power panels as standard | **1A32258H03** |
| Used on PRL1, 2, 3 and PRL1a, 2a, 3a lighting panels as standard; WEM 2 key | **5155C81G01** |



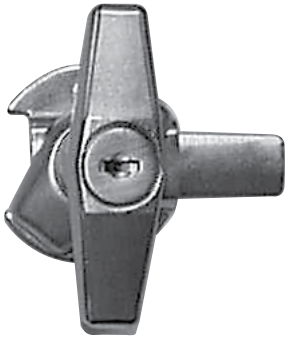
K80522



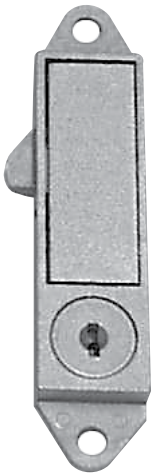
K80133



5155C81G01



K80429



1A32258H03

## Panelboard EZ trim locks

Panelboard EZ trims use different trim locks. See **Table 24** and pictures below for styles and part numbers. Contact your nearest satellite for availability. See **page 3** for satellite listings.

**Table 24. Panelboard EZ trim locks**

| Description | Size | Catalog number |
|---|---|---|
| Lock | 24–48 inches | **5155C81G03** |
| Lock and latch | 54–60 inches | **5155C81G03/5155C81G05** |
| Lock and latch | 72–90 inches | **5155C81G04/5155C81G06** |




EZ trim lock with key



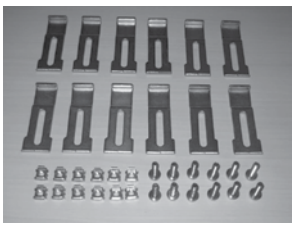

EZ trim latch without key

## Panelboard Fastrim clamps and screw-on hardware kits

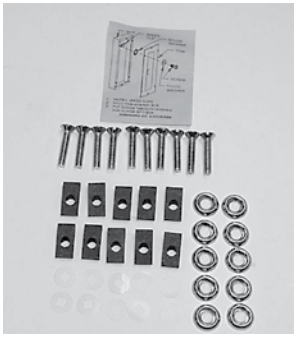
For panelboard trim clamps, contact your nearest satellite for availability on the styles listed below. See **page 3** for satellite listings.

**Table 25. Panelboard Fastrim clamps and screw-on hardware kits**

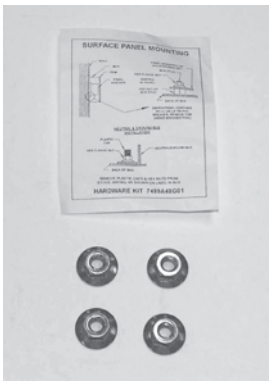
| Description | Style number |
|---|---|
| Trim clamps—used on PRL1a, 2a, 3a Fastrims (6 per bag) | **2C11641G02** |
| Trim screws—used on PRL1a, 2a, 3a, 4B standard trim (10 per bag) | **5157C83G06** |
| Chassis mounting hardware bag—PRL1a, 2a, 3a panels | **7499A48G04** |



2C11641G02



5157C83G06




7499A48G04

## PRL3a parts section

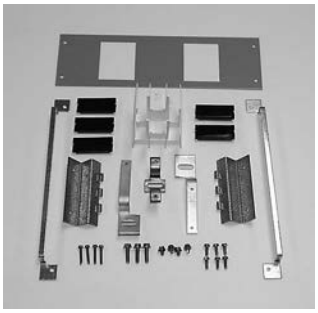

| Description | Page |
|---|---|
| Connector kit assemblies | 19 |
| Ground assemblies | 20 |
| Service entrance kits | 20 |
| Deadfront covers | 20–22 |


## PRL3a horizontally mounted connector kit assemblies

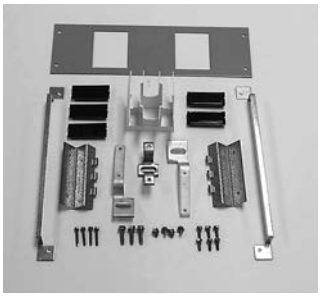
Three-phase kits contain A, B, and C phase connectors. Single-phase kits contain A and C phase connectors, deadfront cover, hardware and instructions to twin-mount breakers across from each other. **Maximum amperes connected to any one connector cannot exceed 200 A.**

**Table 26. Connector kit assemblies**

| Devices | Circuits or pole | Three-phase | | Single-phase | | Notes |
|---|---|---|---|---|---|---|
| | | Catalog number | Phase | Catalog number | Phase | |
| BA, BAB, QBGF, QBH, QBHGF, QBGFEP, QBHGFEP | 6 | **KPRL3ABA06** | A/B/C | **KPRL3ABA06-1** | A/C | (2) 100 A devices maximum |
| | 12 | **KPRL3ABA12** | A/B/C | **KPRL3ABA12-1** | A/C | |
| | 18 | **KPRL3ABA18** | A/B/C | **KPRL3ABA18-1** | A/C | |
| | 24 | **KPRL3ABA24** | A/B/C | **KPRL3ABA24-1** | A/C | |
| GB, GHB, GHQ, GHBS | 6 | **KPRL3AGB06** | A/B/C | **KPRL3AGB06-1** | A/C | |
| | 12 | **KPRL3AGB12** | A/B/C | **KPRL3AGB12-1** | A/C | |
| | 18 | **KPRL3AGB18** | A/B/C | **KPRL3AGB18-1** | A/C | |
| | 24 | **KPRL3AGB24** | A/B/C | **KPRL3AGB24-1** | A/C | |



KPRL3ABA06



KPRL3AGB06

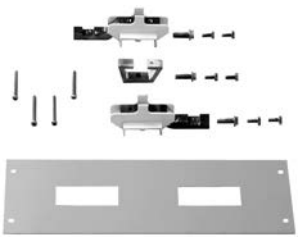
## PRL3a F-Frame horizontally mounted connector kit assemblies

Connector kits contain phase connectors, deadfront cover, hardware, and instructions to mount breakers. Order breakers separately when ordering connector kit.

**Table 27. Connector kit assemblies**

| Devices | Circuits or pole | Three-phase | | Single-phase | | Notes |
|---|---|---|---|---|---|---|
| | | Catalog number | Phase | Catalog number | Phase | |
| EHD, FD, FDB, HFD, FDC (150 A maximum twin mount) | Three-pole breaker | **KPRL3AFD3** | A/B/C | — | — | (2) 150 A devices maximum |
| | Two-pole breaker | **KPRL3AFD2** | A/C | **KPRL3AFD2** | A/C | |
| | Single-pole breaker | **KPRL3AFD1** | A/C | **KPRL3AFD1** | A/C | |
| FD, HFD, FDC, ED, EDH, EDC (175–225 A single mount) ① | Three-pole breaker | **KPRL3AED3** | A/B/C | — | — | (1) 225 A maximum single mounted |
| | Two-pole breaker | **KPRL3AED2** | A/C | **KPRL3AED2** | A/C | |

① F-Frame devices rated above 150 A must be single mounted. No twin mounting acceptable.



KPRL3AFD3

## PRL3a ground assemblies

**Table 28. PRL3a ground assemblies**

| | Standard | Isolated |
|---|---|---|
| **Material** | **Catalog number** | |
| Aluminum/copper | **5158C05G02** | **2C11296G02** |
| Copper only | **5158C05G04** | **2C11296G04** |



5158C05G02

## PRL3a service entrance bonding jumper kits

**Table 29. PRL3a service entrance bonding jumper kits**

| Style number ① | Panel ampere rating | Tin-plated aluminum | Bare copper | Silver-plated copper | Tin-plated copper |
|---|---|---|---|---|---|
| | | Item number | | | |
| **Mechanical main lugs or main breakers** | | | | | |
| **5078A98** | 100 | G01 | G02 | G03 | G04 |
| | 250–600 | G13 | G14 | G15 | G16 |
| **Crimp main lugs** | | | | | |
| **5078A98** | 100 | G05 | G06 | G07 | G08 |
| | 250–600 | G17 | G18 | G19 | G20 |
| **Copper main lugs** | | | | | |
| **5078A98** | 100 | G09 | G10 | G11 | G12 |
| | 250–600 | G21 | G22 | G23 | G24 |

① When ordering, use complete style number (example: 100 A tin-plated aluminum 5078A98G01).




5078A98G01

## PRL3a service entrance main breaker kits

**Table 30. PRL3a service entrance main breaker kits**

| Description | Circuit breaker frame | Catalog number |
|---|---|---|
| Service entrance barrier for LG and KD | LG/KD | **PRLSEBLGKD** |
| Service entrance barrier for JD | JD | **PRLSEBJD** |
| Service entrance barrier for FD | FD | **PRLSEBFD** |
| Service entrance barrier for GHB | GHB | **PRLSEBGHB** |




SE Barrier Kit FD_016

## PRL3a deadfront covers

**Table 31. Assembly ①**

| Style number ② | Chassis height/item number | | | | |
|---|---|---|---|---|---|
| | 14X | 23X | 31X | 40X | 53X |
| **6559C59** | G01 | G02 | G03 | G04 | G05 |

① Assembly groups include the frame only (two rails and two end covers). Reference **page 22** for specific device covers. All connector kits ship with a deadfront cover for that device.

② When ordering, use complete style number (example: 14X high assembly 6559C59G01).



6559C59G01

## PRL3a vertical devices deadfront covers

**Table 32. Vertical mounting position**

| Device/frame | Trip unit type | Style number ① | "X" space required | Item number | |
|---|---|---|---|---|---|
| | | | | Without lock-offs ① | With lock-offs ① |
| EHD, FD, FDB, HFD, FDC, ED, EDH, EDC (top) ② | — | **4176B68** | 7X | H01 | H03 |
| EHD, FD, FDB, HFD, FDC, ED, EDH, EDC (bottom) ② | — | | 7X | H04 | H05 |
| FD, HFD, FDC, ED, EDH (top) ③ | — | **4180B93** | 10X | H01 | H03 |
| FD, HFD, FDC, ED, EDH (bottom) ③ | — | | 10X | H04 | H05 |
| J-Frame (bottom) | — | **4176B60** | 14X | H01 | H02 |
| J-Frame (top) | — | | 14X | H03 | H04 |
| K-Frame (bottom) | Thermal-mag. | **4176B61** | 15X | H01 | H02 |
| K-Frame (bottom) | Electronic | | 15X | H03 | H04 |
| K-Frame (top) | Thermal-mag. | | 15X | H05 | H06 |
| K-Frame (top) | Electronic | | 15X | H07 | H08 |
| L-Frame (bottom) | Thermal-mag. | **4176B51** | 17X | H01 | H02 |
| L-Frame (bottom) | Electronic | | 17X | H03 | H04 |
| L-Frame (top) | Thermal-mag. | | 17X | H05 | H06 |
| L-Frame (top) | Electronic | | 17X | H07 | H08 |
| FB-P (top only) | — | **4176B70** | 9X | H02 | H02 |
| LA-P (top only) | — | **4176B57** | 21X | H01 | H01 |
| FCL | — | **4176B70** | 9X | H01 | H01 |
| LCL (top) | — | **4176B56** | 21X | H01 | H02 |
| LCL (bottom) | — | | 21X | H03 | H04 |
| Neutral/blank cover | — | **4176B72** | 1X | H01 | — |
| | | | 2X | H02 | |
| | | | 3X | H03 | |
| | | | 4X | H04 | |
| | | | 5X | H05 | |
| | | | 6X | H06 | |
| | | | 7X | H07 | |
| | | | 8X | H08 | |
| | | | 9X | H09 | |
| | | | 10X | H10 | |
| | | | 11X | H11 | |
| | | | 12X | H12 | |
| J-Frame sub-feed twin bottom | — | **4176B79** | 20X | H01 | H02 (2 L/O) |
| | | | | | H03 (1 L/O RT) |
| | | | | | H04 (1 L/O LT) |
| J-Frame sub-feed twin top | — | **4176B79** | 20X | H05 | H05 (2 L/O) |
| | | | | | H07 (1 L/O RT) |
| | | | | | H08 (1 L/O LT) |
| PT363 (top) | — | **4180B79** | 7X | H01 | — |
| PT363 (bottom) | — | | 7X | H02 | |
| PT364 (top) | — | | 9X | H03 | |
| PT364 (bottom) | — | | 9X | H04 | |

① When ordering covers, order complete style and item numbers (example: 4176B68H01).

② 4/0 maximum acceptable terminal size.

③ 300 kcmil maximum acceptable terminal size.



J main 4176B60H04



Neutral blank cover 4176B72H04

## PRL3a horizontal devices deadfront covers

**Table 33. Horizontal mounting position**

| Device/frame | Device poles | Style number ① | Total circuit quantity | "X" space required | Item number |
|---|---|---|---|---|---|
| EHD, FD, FDB, HFD, FDC (twin mounted) | 1, 2 or 3 | **4178B08** | 6 | 3X | H01 |
| | | | 12 | 6X | H02 |
| | | | 18 | 9X | H03 |
| | | | 24 | 12X | H04 |
| | | | 30 | 15X | H05 |
| | | | 36 | 18X | H06 |
| | | | 42 | 21X | H07 |
| | | | 48 | 24X | H08 |
| EHD, FD, FDB, HFD, FDC (twin mounted) | 1 or 2 | **4179B39** | 4 | 2X | H01 |
| | | | 8 | 4X | H02 |
| | | | 12 | 6X | H03 |
| | | | 16 | 8X | H04 |
| | | | 20 | 10X | H05 |
| | | | 24 | 12X | H06 |
| | | | 28 | 14X | H07 |
| | | | 32 | 16X | H08 |
| EHD, FD, FDB, HFD, FDC (twin mounted) | 1 | **4179B40** | 2 | 1X | H01 |
| FD, HFD, FDC, ED, EDH, EDC (single mounted) | 3 | **4179B41** | 3 | 3X | H01 |
| FD, HFD, FDC, ED, EDH, EDC (single mounted) | 2 | **4179B42** | 2 | 2X | H01 |
| CA, CAH, HCA | 3 | **4176B66** | 3 | 3X | H01 |
| CA, CAH, HCA | 2 | **4176B80** | 2 | 2X | H01 |
| BA, BAB, BABRP, BABRSP QBH, QBGF, QBGFEP, QBHGFEP | 1, 2 or 3 | **4176B67** | 6 | 3X | H01 |
| | | | 12 | 5X | H02 |
| | | | 18 | 8X | H03 |
| | | | 24 | 10X | H04 |
| GB, GHB, GHBS, GHBGFEP, HGHB, GHQ | 1, 2 or 3 | **4176B69** | 6 | 3X | H01 |
| | | | 12 | 5X | H02 |
| | | | 18 | 8X | H03 |
| | | | 24 | 10X | H04 |
| Pow-R-Command Controller | — | **4180B91** | — | 5X | H01 |
| Pow-R-Command Expansion | — | **4180B91** | — | 7X | H02 |
| | | | | 16X | H03 |

① When ordering covers, order complete style and item number (example: 4178B08H01).

## PRL3a deadfront cover blank fillers

**Table 34. PRL3a deadfront cover blank fillers**

| Device/frame | Poles | Style number |
|---|---|---|
| F-Frame | 1, 2 or 3 | **4178B06H01** |
| C-Frame | 2 | **6555C40H01** |
| C-Frame | 3 | **6555C41H01** |
| QUICKLAG, GB, GHB, GHBS | 1, 2 or 3 | **5155C62H01** |



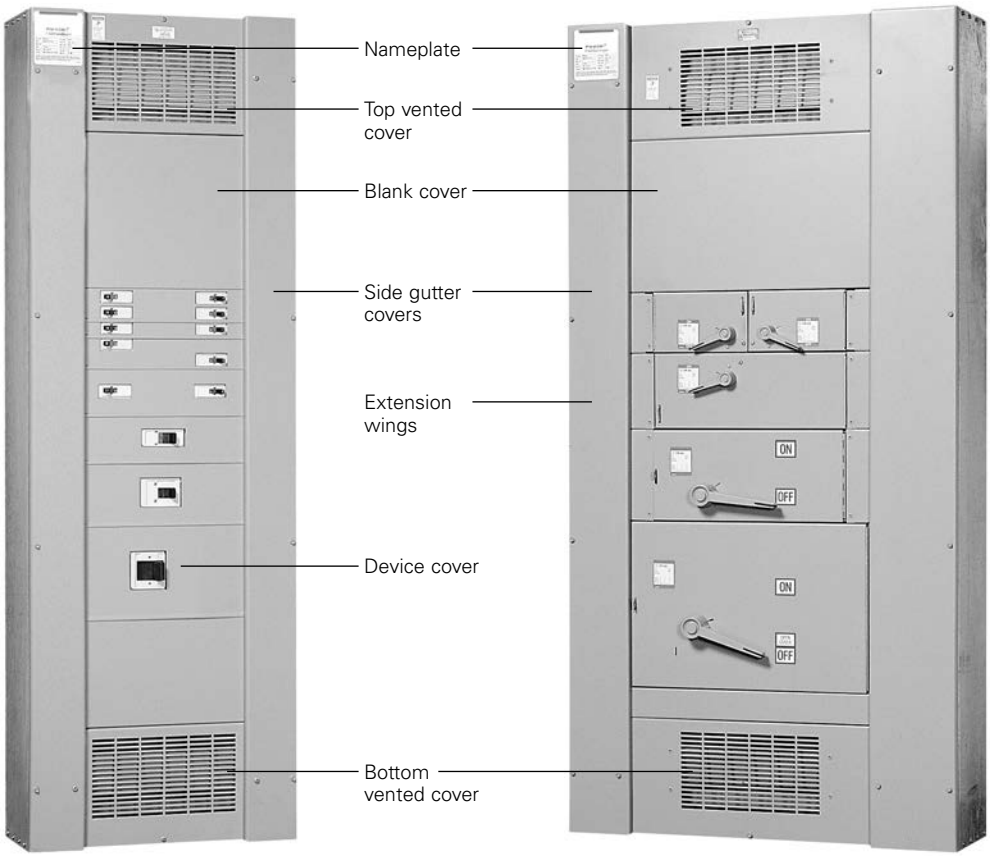
BAB Cover 4176B67H01

## PRL4 parts section

**Description** **Page**

Vented cover assemblies. . . . . 23
Blank covers . . . . . 24
Breaker connector kits . . . . . 24
Fusible connector kits . . . . . 25
Breaker and fusible switch retrofit kits . . . . . 26–27
PRL1a, 2a, 3a EZ trims and enclosures . . . . . 27
PRL4 special trims and enclosures . . . . . 29
Type 12/3R enclosures . . . . . 30

## PRL4 vented cover assemblies




PRL4B PRL4F

**Table 35. Vented cover assemblies and side gutter covers—dimensions in inches (mm)**

| NEMA 1 box | | | | | Side gutter covers | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Left | | Right | |
| Height | Width | Depth ① | Catalog number | Vented cover assembly ② style number | Size | Style number | Size | Style number |
| 57.00 (1447.8) | 24.00 (609.6) | 10.40 (264.2) | **BX2457** | **6574C74G02** | 5.00 (127.0) x 57.00 (1447.8) | **6555C20H01** | 5.00 (127.0) x 57.00 (1447.8) | **6555C20H01** |
| 73.00 (1854.2) | 24.00 (609.6) | | **BX2473** | **6574C74G03** | 5.00 (127.0) x 73.00 (1854.2) | **6555C21H01** | 5.00 (127.0) x 73.00 (1854.2) | **6555C21H01** |
| 90.00 (2286.0) | 24.00 (609.6) | | **BX2490** | **6574C74G04** | 5.00 (127.0) x 90.00 (2286.0) | **6555C25H01** | 5.00 (127.0) x 90.00 (2286.0) | **6555C25H01** |
| 73.00 (1854.2) | 36.00 (914.4) | | **BX3673** | **6574C74G05** | 6.00 (152.4) x 73.00 (1854.2) | **6555C22H01** | 8.00 (203.2) x 73.00 (1854.2) | **6555C23H01** |
| 90.00 (2286.0) | 36.00 (914.4) | | **BX3690** | **6574C74G06** | 6.00 (152.4) x 90.00 (2286.0) | **6555C26H01** | 8.00 (203.2) x 90.00 (2286.0) | **6555C27H01** |
| 73.00 (1854.2) | 44.00 (1117.6) | | **BX4473** | **6574C74G05** | 8.00 (203.2) x 73.00 (1854.2) | **6555C23H01** | 14.00 (355.6) x 73.00 (1854.2) | **6555C24H01** |
| 90.00 (2286.0) | 44.00 (1117.6) | | **BX4490** | **6574C74G06** | 8.00 (203.2) x 90.00 (2286.0) | **6555C27H01** | 14.00 (355.6) x 90.00 (2286.0) | **6555C28H01** |

① Covers add 0.90 inches (22.9 mm) to box depth for overall enclosure depth of 11.30 inches (287.0 mm).

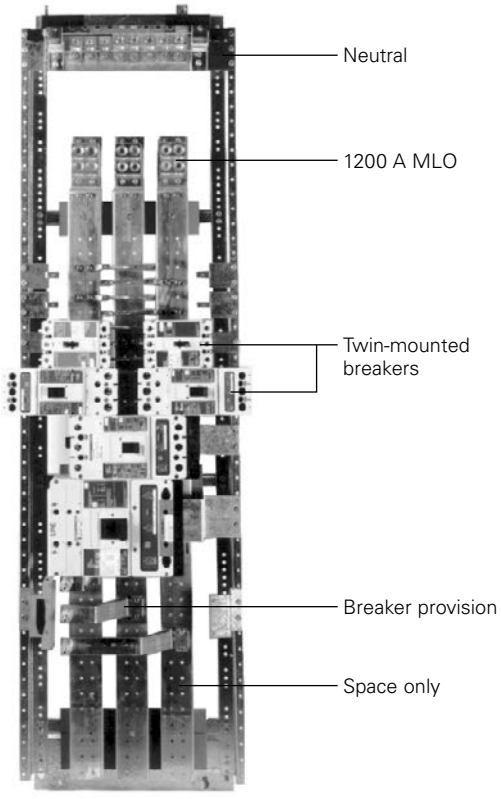
② Cover assembly consists of two side rails, top and bottom vented covers. **Important:** Order individual device covers and blanks separately.

## PRL4 blank covers

Used to cover blank space on chassis. All PRL4 cover heights are measured in "X" units. 1X equals 1.38 inches (35.1 mm).

**Table 36. PRL4 blank covers**

| Cover size | Style number | |
|---|---|---|
| | 24.00-inch (609.6 mm) width box | 36.00, 44.00-inch (914.4, 1117.6 mm) width box |
| 1X | **6554C01H01** | **6554C02H01** |
| 2X | **6554C01H02** | **6554C02H02** |
| 3X | **6554C01H03** | **6554C02H03** |
| 4X | **6554C01H13** | **6554C02H13** |
| 5X | **6554C01H14** | **6554C02H14** |
| 6X | **6554C01H04** | **6554C02H04** |
| 7X | **6554C01H05** | **6554C02H05** |
| 9X | **6554C01H06** | **6554C02H06** |
| 10X | **6554C01H07** | **6554C02H07** |
| 11X | **6554C01H08** | **6554C02H08** |
| 12X | **6554C01H09** | **6554C02H09** |
| 13X | **6554C01H10** | **6554C02H10** |
| 15X | **6554C01H11** | **6554C02H11** |
| 20X | **6554C01H12** | **6554C02H12** |




PRL4B Interior

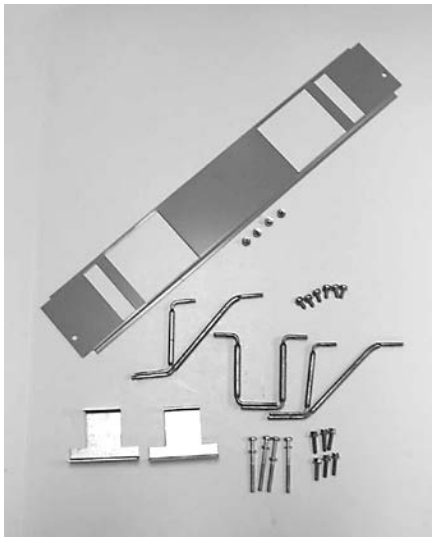
## PRL4 breaker connector kits

### Breaker connector kits

Each kit includes copper connectors, mounting brackets, covers, hardware, and instructions for mounting breaker(s) in a PRL4. **Breakers are not included.** Contact your local satellite plant for availability and application information (see **page 3**).

### Connector kit

Each kit includes copper connectors mounting brackets, cover, hardware, and instructions.



Connector kit

**Table 37. Breaker connector kits**

| Breaker frame | Space required | | Poles | Mounting type | Connector kit catalog number |
|---|---|---|---|---|---|
| | Inches (mm) | "X" | | | |
| EHD, FD, HFD | 2.75 (69.9) | 2X | 1 ① | Twin | **KPRL4FD1** |
| EHD, FD, FDB, HFD, FDC | | | 2 | Twin | **KPRL4FD2** |
| ED, EDH, EDC | | | 2 | Twin | **KPRL4ED2** |
| EHD, FD, FDB, HFD, FDC | 4.13 (104.9) | 3X | 3 | Twin | **KPRL4FD** |
| FCL, FB-P, FD/LFD | | | 3 | Twin | **KPRL4FBP** |
| ED, EDH, EDC | | | 3 | Twin | **KPRL4ED** |
| JD, JDB, HJD, JDC | | | 2, 3 | Single | **KPRL4JDS** |
| JD, JDB, HJD, JDC | | | 2, 3 | Twin | **KPRL4JDT** ② |
| DK, KD, KDB, HKD, KDC | 5.50 (139.7) | 4X | 2, 3 | Single | **KPRL4KDS** |
| DK, KD, KDB, HKD, KDC | | | 2, 3 | Twin | **KPRL4KDT** ③ |
| CKD, CHKD | | | 2, 3 | Single | **KPRL4CKD** ④ |
| LCL | 8.25 (209.5) | 6X | 2, 3 | Single | **KPRL4LCL** ② |
| LA-P | | | 2, 3 | Single | **KPRL4LAP** ② |
| LD, LDB, HLD, LDC, CLD, LC | | | 2, 3 | Single | **KPRL4LD** ② |
| MDL, HMDL | | | 2, 3 | Single | **KPRL4MC** ② |
| NB-P | | | 2, 3 | Single | **KPRL4NBP** ③ |
| CND, CHND | | | 3 | Single | **KPRL4CND** ③④ |
| ND, HND | | | 2, 3 | Single | **KPRL4ND** ② |

① Two sets of twin-mounted single-pole breakers.

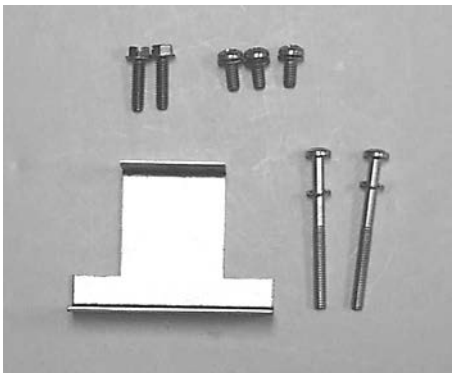
② 36.00-inch (914.4 mm) minimum box width required.

③ 44.00-inch (1117.6 mm) box width required.

④ Requires density rated bus in existing panel chassis.

### Hardware kit

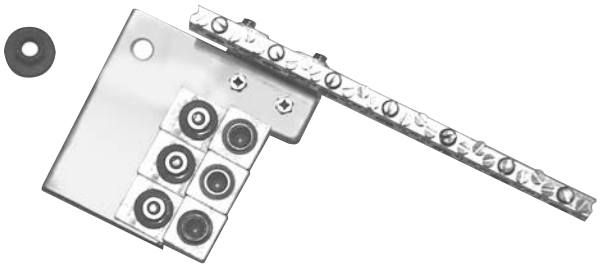
Each kit includes mounting bracket(s) and mounting hardware only. Use the appropriate connector kit catalog number and add an "H" to designate hardware only (example: KPRL4FD-H).



Hardware kit

### Standard ground bus

Copper bus with (3) 6–300 kcmil lugs plus a 24-circuit terminal bar with #14–1/0 wire range.



6572C746G01

## PRL4 fusible connector kits

### Fusible switch connector kits

Each kit includes copper connectors, extension wings (when required), hardware, and instructions to mount a fusible switch. Switches are not included. Contact your local satellite plant for availability and application information (see **page 3**).

**Table 38. Fusible switch connector kits**

| Switch height | | | Three-pole switch | | |
|---|---|---|---|---|---|
| | | | 240 V | 600 V | |
| Inches (mm) | "X" space required | Switch ampere rating | Catalog number | | Connector kit |
| 5.50 (139.7) | 4X | 30–30 | **FDPWT3211R** | **FDPWT3611R** | — |
| | | 60–60 | **FDPWT3222R** | **FDPWT3622R** | **KPRL44X** ① |
| | | 100–100 | **FDPWT3233R** | — | — |
| 6.88 (174.8) | 5X | 100–100 | — | **FDPWT3633R** | **KPRL45X1** |
| 8.25 (209.6) | 6X | 200 | **FDPBS324R** | **FDPBS364R** | **KPRL4B6XS** |
| | | 200–200 | **FDPBT3244R** | **FDPBT3644R** | **KPRL4B6XT** ② |
| 12.38 (314.5) | 9X | 400 | **FDPW325R** | **FDPW365R** | **KPRL4W9X** |
| 15.13 (384.3) | 11X | 600 | **FDPW326R** | **FDPW366R** | **KPRL4W11X** |
| | | 800 | **FDPW327** | **FDPW367** | **KPRL4W11X** ② |
| 20.63 (524.0) | 15X | 1200 | **FDPW328** | **FDPW368** | **KPRL4W15X** ② |

① These connector kits will fit the FDP and FDPW switches.

② 44.00-inch (1117.6 mm) box width required for both R and J fuse applications.

## PRL4 breaker and fusible switch retrofit kits

### Breaker retrofit kits

Each kit includes one breaker, copper connectors, covers, hardware, and instructions to mount in a PRL4.

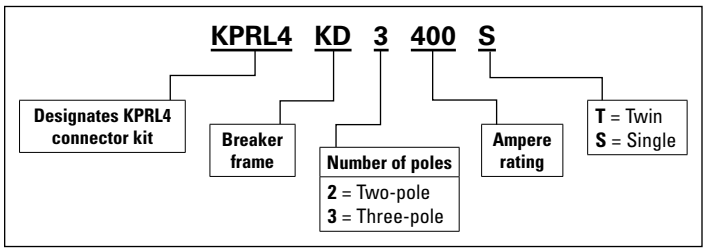
**Table 39. Breaker retrofit kits**

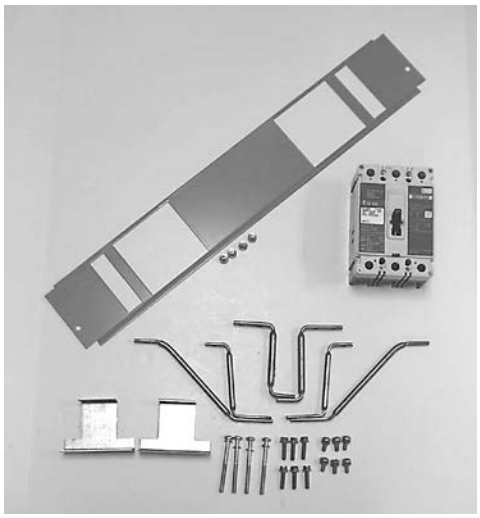
| Breaker frame | Frame ampere rating | Trip range | Mounting type |
|---|---|---|---|
| EHD | 100 | 15–100 | Twin |
| FDB | | 15–100 | Twin |
| FD | | 15–100 | Twin |
| HFD | | 15–100 | Twin |
| FDC | | 15–100 | Twin |
| FCL | | 15–100 | Twin |
| FB-P | | 15–100 | Twin |
| FDB | 150 | 110–150 | Twin |
| FD | 225 | 110–225 | Twin |
| HFD | | 110–225 | Twin |
| FDC | | 110–225 | Twin |
| ED | | 100–225 | Twin |
| EDH | | 100–225 | Twin |
| EDC | | 100–225 | Twin |
| JD | 250 | 70–250 | Twin/single |
| HJD | | 70–250 | Twin/single |
| JDC | | 70–250 | Twin/single |
| DK | 400 | 100–400 | Twin/single |
| KD | | 100–400 | Twin/single |
| HKD | | 100–400 | Twin/single |
| KDC | | 100–400 | Twin/single |
| CKD | | 100–400 | Single |
| LCL | | 125–400 | Single |
| LA-P | | 70–400 | Single |
| LD | 600 | 300–600 | Single |
| CLD | | 300–600 | Single |
| HLD | | 300–600 | Single |
| CHLD | | 300–600 | Single |
| LDC | | 300–600 | Single |
| CLDC | | 300–600 | Single |
| MDL | 800 | 300–800 | Single |
| CMDL | | 300–800 | Single |
| HMDL | | 300–800 | Single |
| CHMDL | | 300–800 | Single |
| ND | 1200 | 600–1200 | Single |
| CND | | 600–1200 | Single |
| HND | | 600–1200 | Single |
| CHND | | 600–1200 | Single |
| NDC | | 600–1200 | Single |
| CNDC | | 600–1200 | Single |

### How to order a breaker retrofit kit by catalog number

Use "KPRL4" prefix and add catalog number of breaker as shown below. Use suffix "T" or "S" to denote twin or single mounting. Twin-mounting indicates that one set of connectors is required to mount two breakers (of similar frames) opposite one another. Retrofit kit includes one breaker only, for either single or twin-mounted applications.

**Table 40. Catalog numbering system—breaker retrofit kit**



Breaker retrofit kit

### Fusible retrofit kits

Each kit includes a three-pole switch, copper connectors, extension wings (if required), hardware, and instructions to horizontally mount in a PRL4.

**Table 41. Fusible retrofit kits**

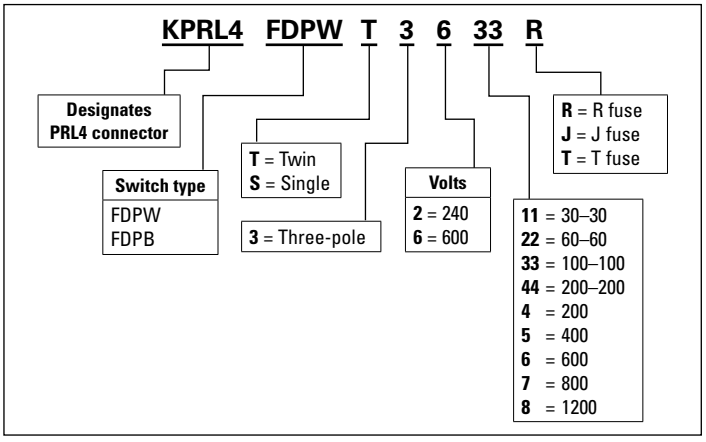
| Switch ampere rating | Switch type | Mounting type |
|---|---|---|
| 30–30 | FDPW | Twin |
| 60–60 | FDPW | Twin |
| 100–100 | FDPW | Twin |
| 100 | FDPW | Single |
| 200 | FDPB | Single |
| 200–200 | FDPB | Twin |
| 400 | FDPW | Single |
| 600 | FDPW | Single |
| 800 | FDPW | Single |
| 1200 | FDPW | Single |

### How to order a fusible retrofit kit by catalog number

Use "KPRL4" prefix and add catalog number of appropriate switch (refer to **page 26** for three-pole switch catalog number).

**Example:** The retrofit kit catalog number for a 600 V, 100 A twin FDPW switch is:

**Table 42. Catalog numbering system—fusible retrofit kit**




## PRL1a, 2a, 3a EZ trims and enclosures

### EZ trim

PRL1a, 2a, and PRL3a EZ trim and EZ box meet code requirements for both Type 1 standards. Features include a door-in-door standard with no exposed hardware and laser-cut trim with rounded corners. For EZ boxes and EZ trims, refer to **page 28.**

**Example: EZT2048** and **EZB2048**.



EZ trim

**Table 43. EZ trim**

| | Box | | | | Trim | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Unpainted | | Painted | | Unvented surface mounted | | Unvented flush mounted | | Vented surface mounted | | Vented flush mounted | |
| Encl. height | Catalog number | Style number | Catalog number | Style number | Catalog number | Style number | Catalog number | Style number | Catalog number | Style number | Catalog number | Style number |
| 24 | **EZB2024R** | 42C1999G01 | **EZBP2024R** | 42C1999G13 | **EZT2024S** | 42C4255G01 | **EZT2024F** | 42C4258G01 | **EZTV2024S** | 42C4261G01 | **EZTV2024F** | 42C4264G01 |
| 30 | **EZB2030R** | 42C1999G02 | **EZBP2030R** | 42C1999G14 | **EZT2030S** | 42C4255G02 | **EZT2030F** | 42C4258G02 | **EZTV2030S** | 42C4261G02 | **EZTV2030F** | 42C4264G02 |
| 36 | **EZB2036R** | 42C1999G03 | **EZBP2036R** | 42C1999G15 | **EZT2036S** | 42C4255G03 | **EZT2036F** | 42C4258G03 | **EZTV2036S** | 42C4261G03 | **EZTV2036F** | 42C4264G03 |
| 42 | **EZB2042R** | 42C1999G04 | **EZBP2042R** | 42C1999G16 | **EZT2042S** | 42C4255G04 | **EZT2042F** | 42C4258G04 | **EZTV2042S** | 42C4261G04 | **EZTV2042F** | 42C4264G04 |
| 48 | **EZB2048R** | 42C1999G05 | **EZBP2048R** | 42C1999G17 | **EZT2048S** | 42C4255G05 | **EZT2048F** | 42C4258G05 | **EZTV2048S** | 42C4261G05 | **EZTV2048F** | 42C4264G05 |
| 54 | **EZB2054R** | 42C1999G06 | **EZBP2054R** | 42C1999G18 | **EZT2054S** | 42C4255G06 | **EZT2054F** | 42C4258G06 | **EZTV2054S** | 42C4261G06 | **EZTV2054F** | 42C4264G06 |
| 60 | **EZB2060R** | 42C1999G07 | **EZBP2060R** | 42C1999G19 | **EZT2060S** | 42C4255G07 | **EZT2060F** | 42C4258G07 | **EZTV2060S** | 42C4261G07 | **EZTV2060F** | 42C4264G07 |
| 72 | **EZB2072R** | 42C1999G09 | **EZBP2072R** | 42C1999G21 | **EZT2072S** | 42C4255G09 | **EZT2072F** | 42C4258G09 | **EZTV2072S** | 42C4261G09 | **EZTV2072F** | 42C4264G09 |
| 90 | **EZB2090R** | 42C1999G12 | **EZBP2090R** | 42C1999G24 | **EZT2090S** | 42C4255G12 | **EZT2090F** | 42C4258G12 | **EZTV2090S** | 42C4261G12 | **EZTV2090F** | 42C4264G12 |

## PRL1a, 2a, 3a special trims and enclosures

### Fastrim

Used when concealed trim-mounting hardware is required for PRL1a, 2a, and PRL3a. Trim clamps are included and shipped with the trim. Order by adding the letter "F" to the standard trim catalog number. Add 20% to standard trim list price.

**Example:** LT2072S becomes **LTF2072S**.

For trim clamps only, refer to **page 18**.



Fastrim

### Door-in-door

Piano hinge on the right side of the trim provides access to the wiring gutters without requiring removal of the trim. Order by adding the letters "DD" to the standard trim catalog number. Add 20% to standard trim list price.

**Example:** LT2072S becomes **LTDD2072S**.



Door-in-door

### Ventilated trim

Required on 600 A and above panels only. Order by adding the letter "V" to the standard trim catalog number. Add 10% to standard trim list price.

**Example:** LT2072S becomes **LTV2072S**.



Ventilated trim

### Type 12/3R enclosures

The complete enclosure consists of a box and trim. The enclosure meets code requirements for both Type 12 (dust-tight) and Type 3R (rainproof) standards. Features include a laser-cut trim with rounded corners, concealed hinges, and a T-handle lock. Gasketing is provided around the trim door.

The box is gasketed and made from code gauge steel with dripshield and is painted ANSI-61.

**Table 44. Type 12/3R enclosures for PRL1a, 2a, 3a**

| Box dimensions in inches (mm) | | | Catalog number | |
|---|---|---|---|---|
| **Height** | **Width** | **Depth** | **Box** | **Trim** |
| 24.00 (609.6) | 20.00 (508.0) | 6.00 (152.4) | **VWPB2024** | **LWPT2024** |
| 36.00 (914.4) | 20.00 (508.0) | 6.00 (152.4) | **VWPB2036** | **LWPT2036** |
| 48.00 (1219.2) | 20.00 (508.0) | 6.00 (152.4) | **VWPB2048** | **LWPT2048** |
| 60.00 (1524.0) | 20.00 (508.0) | 6.00 (152.4) | **VWPB2060** | **LWPT2060** |
| 72.00 (1828.8) | 20.00 (508.0) | 6.00 (152.4) | **VWPB2072** | **LWPT2072** |
| 90.00 (2286.0) | 20.00 (508.0) | 6.00 (152.4) | **VWPB2090** | **LWPT2090** |



Type 12/3R enclosures

## PRL4 special trims and enclosures

### Door-in-door trim



Door-in-door trim

A piano hinge on the right side of the trim provides access to the wiring gutter without requiring the removal of the trim. When used with a standard PRL4 box, a special mounting channel must be used to add extra depth to the enclosure.

An extra depth box, not requiring a mounting channel, is another available option. Contact your local satellite for ordering information.

**Table 45. Special trims and enclosures**

| Standard box catalog number | Mounting channel style number | Door-in-door trim catalog number | |
|---|---|---|---|
| | | **Surface** | **Flush** |
| **BX2457** | **8708C82G02** | **LDD2457STW** | **LDD2457FTW** |
| **BX2473** | **8708C82G03** | **LDD2473STW** | **LDD2473FTW** |
| **BX2490** | **8708C82G04** | **LDD2490STW** | **LDD2490FTW** |
| **BX3673** | **8708C82G05** | **LDD3673STW** | **LDD3673FTW** |
| **BX3690** | **8708C82G06** | **LDD3690STW** | **LDD3690FTW** |
| **BX4473** | **8708C82G07** | **LDD4473STW** | **LDD4473FTW** |
| **BX4490** | **8708C82G08** | **LDD4490STW** | **LDD4490FTW** |

## Type 12/3R enclosures



Type 12, 24.00 inches (609.6 mm) wide



Type 3R, 36.00 inches (914.4 mm) wide

PRL4 enclosures are available in both Type 12 (dust-tight) and Type 3R (rainproof) designs. The 24.00-inch (609.6 mm) wide enclosure includes a single hinged door while the 36.00-inch (914.4 mm) wide is provided with double hinged doors.

The side gutter covers are an integral part of the box in all styles. Sizes and catalog numbers are shown in **Table 46**.

**Table 46. Type 12/3R enclosures**

| Enclosure dimensions in inches (mm) | | | Catalog number | |
|---|---|---|---|---|
| **Height** | **Width** | **Depth** | **Type 3R** | **Type 12** |
| 57.00 (1447.8) | 24.00 (609.6) | 13.90 (353.1) | **RPC2457** | **DPC2457** |
| 73.00 (1854.2) | 24.00 (609.6) | 13.90 (353.1) | **RPC2473** | **DPC2473** |
| 90.00 (2286.0) | 24.00 (609.6) | 13.90 (353.1) | **RPC2490** | **DPC2490** |
| 73.00 (1854.2) | 36.00 (914.4) | 13.90 (353.1) | **RPC3673** | **DPC3673** |
| 90.00 (2286.0) | 36.00 (914.4) | 13.90 (353.1) | **RPC3690** | **DPC3690** |

## Ordering procedure

**Step 1**

Select the correct part or branch device. When selecting, you need to know the following:

- Panelboard type
- Amperage
- System voltage
- Available short-circuit rating
- Number of poles available
- Size and number of wires per phase
- "X" space required

**Step 2**

Refer to the 5P panelboard layout on **page 31** to verify the amount of "X" space available.

**Step 3**

Create a 5P breaker unit catalog number, by following the instructions on **page 32**, or order the catalog number for parts on **page 33** and **page 34**.

**Step 4**

Determine if extra filler covers are required. Additional filler covers may be necessary to fill the unused space. Refer to **page 34** for filler plate information.

## PRL5P parts section

**Description** **Page**

Chassis layout . . . . . 31
Breake assemblies catalot numbers . . . . . 32
Branch devices . . . . . 32–33
Main or through-feed lugs . . . . . 33
Neutrals and grounds . . . . . 34
Box, trim, and deadfront filler plates . . . . . 34

## PRL5P chassis layout

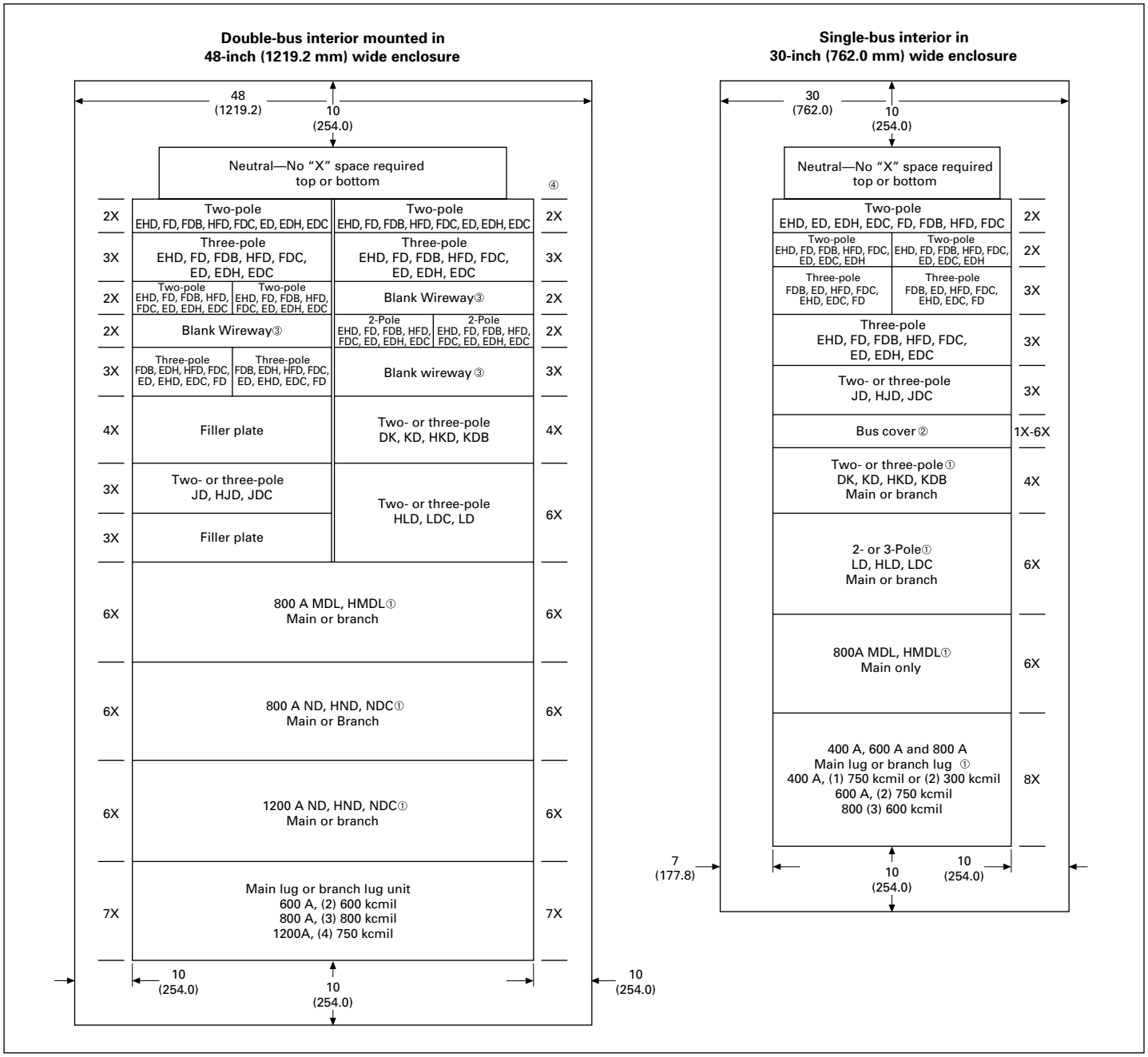



**Figure 3. PRL5P chassis layout—dimensions in inches (mm)**

① If used as a main device, must be mounted at the neutral end of panel.

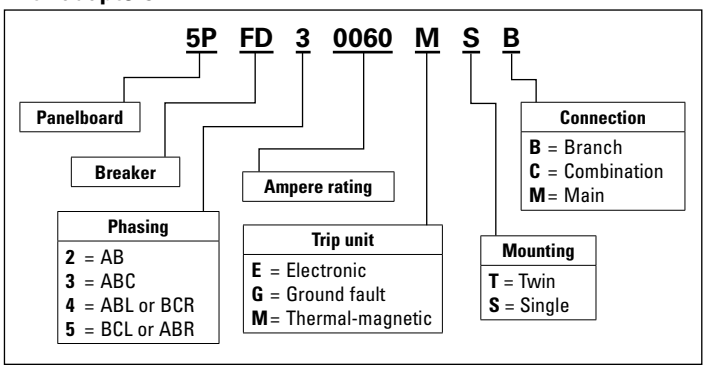
② Fixed bus covers are required for unused spaces if NEC® six-circuit disconnect rule is to be met.

③ Blank wireway fillers are required opposite any dual breaker unit.

④ One "X" = 1.38 inches (35.1 mm).

## PRL5P breaker assemblies catalog numbers

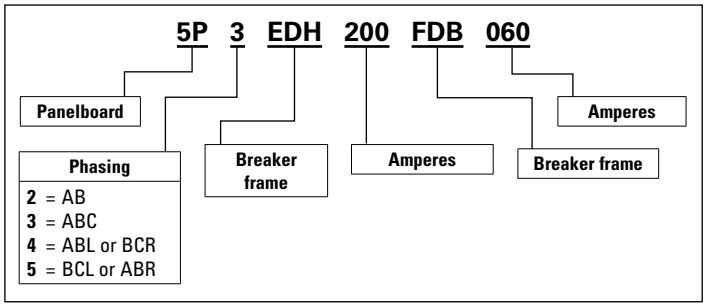
**Table 47. Catalog numbering system—5P single or twin breakers with adapters**




A plug-on unit is a complete assembly with a circuit breaker and mounting adapter to mount on a 5P panelboard.

Single indicates units that may be mounted in a single or double bus panel, and twin indicates double bus panels only. See **Table 50** and **Table 51**.

**Table 48. Catalog numbering system—5P dual breakers with adapters**




Any two F-Frame breakers listed may be mounted on the same 2X or 3X dual breaker adapter.

Dual breaker adapters may be used in single or double bus panels. Dual breaker adapters can **NOT** be mounted across from another adapter in a double bus panel. See **Table 52**.

## Branch devices

Single-pole breakers in single adapter units. Include two or three single-pole 15–60 A assembled on one unit. (One X = 1.38 inches [35.1 mm])

**Table 49. Single-pole breakers in single adapter units**

| Breaker type | Ampere rating | Interrupting rating (kA sym.) | | | | "X" space required |
|---|---|---|---|---|---|---|
| | | 120 Vac | 240 Vac | 277 Vac | 125 Vdc | |
| EHD | 15–60 | — | — | 14 | 10 | 2X |
| FD | 15–60 | — | — | 25 | 10 | 2X |
| HFD | 15–60 | — | — | 65 | 10 | 2X |
| EHD | 15–60 | — | — | 14 | 10 | 3X |
| FD | 15–60 | — | — | 25 | 10 | 3X |
| HFD | 15–60 | — | — | 65 | 10 | 3X |

**Table 50. Two- and three-pole breakers in single adapter units**

| Breaker type | Ampere rating | Interrupting rating (kA sym.) | | | | "X" space required |
|---|---|---|---|---|---|---|
| | | 240 Vac | 480 Vac | 600 Vac | 250 Vdc | |
| ED | 100–225 | 65 | — | — | — | 3X |
| EDH | 100–225 | 100 | — | — | — | 3X |
| EDC | 100–225 | 200 | — | — | — | 3X |
| EHD | 15–60 | 18 | 14 | — | 10 | 3X |
| EHD | 70–100 | 18 | 14 | — | 10 | 3X |
| FD | 15–60 | 65 | 25 | 18 | 10 | 3X |
| FD | 70–100 | 65 | 25 | 18 | 10 | 3X |
| FD | 110–225 | 65 | 25 | 18 | 10 | 3X |
| HFD | 15–60 | 100 | 65 | 25 | 22 | 3X |
| HFD | 70–100 | 100 | 65 | 25 | 22 | 3X |
| HFD | 110–225 | 100 | 65 | 25 | 22 | 3X |
| FDC | 15–60 | 200 | 100 | 35 | 22 | 3X |
| FDC | 70–100 | 200 | 100 | 35 | 22 | 3X |
| FDC | 110–225 | 200 | 100 | 35 | 22 | 3X |
| JD, JDB | 70–225 | 65 | 35 | 18 | 10 | 3X |
| JD, JDB | 70–225 | 65 | 35 | 18 | 10 | 3X |
| HJD | 250 | 100 | 65 | 25 | 22 | 3X |
| HJD | 70–225 | 100 | 65 | 25 | 22 | 3X |
| JDC | 250 | 200 | 100 | 35 | 22 | 3X |
| JDC | 70–225 | 200 | 100 | 35 | 22 | 3X |
| DK | 100–400 | 65 | — | — | — | 4X |
| KD, KDB | 250–400 | 65 | 35 | 25 | 10 | 4X |
| HKD | 250–400 | 100 | 65 | 35 | 22 | 4X |
| KDC | 250–400 | 200 | 100 | 50 | 22 | 4X |
| LD, LDB | 300–600 | 65 | 35 | 25 | 22 | 6X |
| HLD ①② | 300–600 | 100 | 65 | 35 | 25 | 6X |
| LDC | 300–600 | 200 | 100 | 50 | 25 | 6X |
| MDL ①② | 400–800 | 65 | 50 | 25 | 22 | 6X |
| HMDL ①② | 400–800 | 100 | 65 | 35 | 25 | 6X |
| ND | 400–1200 | 65 | 50 | 25 | — | 6X |
| HND ①② | 400–1200 | 100 | 65 | 35 | — | 6X |
| NDC | 400–1200 | 200 | 100 | 50 | — | 6X |

① For use only in double bus chassis panelboards.

② 100% rated breakers are NOT available in 5P panelboards.

Dual breaker adapters—Any two breakers listed in **Table 52** may be mounted on the same 2X or 3X dual breaker adapter.

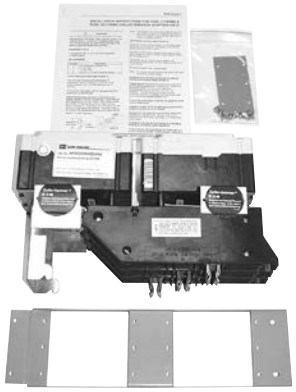
Dual breaker adapters may be used in single or double bus chassis. Dual breaker adapters can **NOT** be mounted across from another in a double bus chassis. (One X = 1.38 inches [35.1 mm]).

**Table 51. Dual breaker adapters**

| Breaker type | Ampere rating | Interrupting rating (kA sym.) | | | | "X" space required |
|---|---|---|---|---|---|---|
| | | 240 Vac | 480 Vac | 600 Vac | 250 Vdc | |
| ED | 100–225 | 65 | — | — | — | 3X |
| EDH | 100–225 | 100 | — | — | — | 3X |
| EDC | 100–225 | 200 | — | — | — | 3X |
| EHD | 15–60 | 18 | 14 | — | 10 | 3X |
| EHD | 70–100 | 18 | 14 | — | 10 | 3X |
| FD | 15–60 | 65 | 25 | 18 | 10 | 3X |
| FD | 70–100 | 65 | 25 | 18 | 10 | 3X |
| FD | 110–225 | 65 | 25 | 18 | 10 | 3X |
| HFD | 15–60 | 100 | 65 | 25 | 22 | 3X |
| HFD | 70–100 | 100 | 65 | 25 | 22 | 3X |
| HFD | 110–225 | 100 | 65 | 25 | 22 | 3X |
| FDC | 15–60 | 200 | 100 | 35 | 22 | 3X |
| FDC | 70–100 | 200 | 100 | 35 | 22 | 3X |
| FDC | 110–225 | 200 | 100 | 35 | 22 | 3X |



5PFD30060MSB



5P3EDH200FDB060

## PRL5P main or through-feed lugs

**Table 52. PRL5P main or through-feed lugs**

| Description | Ampere rating | Wire size range | "X" space required | Catalog number |
|---|---|---|---|---|
| **Single bus chassis mounting** | | | | |
| Ampere lug unit | 400 | (1) 1/0–500 or (2) 1/0–250 kcmil | 8X | **5PLUG3400SC** |
| Ampere lug unit | 600 | (2) 1/0–500 kcmil | 8X | **5PLUG3600SC** |
| Ampere lug unit | 800 | (2) #2–500 or (3) #2–400 kcmil | 8X | **5PLUG3800SC** |
| **Double bus chassis mounting** | | | | |
| 1200 A lug unit | 600–1200 | (4) #4–750 kcmil | 7X | **5PLUG31200TC** |



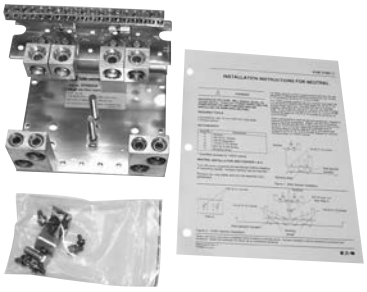
5PLUG3800SC



5PLUG31200TC

## PRL5P neutrals and grounds

### Neutral assembly



5PN800A

**Table 53. Neutral assemblies with lugs**

| Incoming number of cables and wire size | Catalog number |
|---|---|
| (4) 250–500 kcmil 800 A aluminum/copper | **5PN800A** |
| (4) 250–500 kcmil 800 A copper | **5PN800C** |
| (4) 250–500 kcmil 1200 A aluminum/copper | **5PN1200A** |
| (4) 250–500 kcmil 1200 A copper | **5PN1200C** |

**Table 54. Additional lugs for neutral assemblies**

| Description | Catalog number |
|---|---|
| (1) 1/0–750 kcmil or (2) 1/0–300 kcmil aluminum/copper | **5PNL400** |
| (2) 250–500 kcmil aluminum/copper | **5PNL600** |
| (3) 3/0–750 kcmil aluminum/copper | **5PNL800** |
| (4) 3/0–750 kcmil aluminum/copper | **5PNL1200** |
| **Ground bar type** | |
| 1200 A aluminum/copper | **5PG1200A** |
| 1200 A copper | **5PG1200C** |

### Ground bar assemblies



5PG1200A

**Table 55. Grounded "B" phase adapter kits**

| Ampere rating | Main device | Catalog number |
|---|---|---|
| **Single bus chassis** | | |
| 400 | Main lugs | **5PCGBLUG400S** |
| 600 | Main lugs | **5PCGBLUG600S** |
| 600 | LD breaker | **5PCGBLD600S** |
| 800 | Main lugs | **5PCGBLUG800S** |
| **Double bus chassis** | | |
| 800 | MD breaker | **5PCGBMD800T** |
| 1200 | Main lugs | **5PCGBLUG1200T** |
| 1200 | ND breaker | **5PCGBND1200T** |

## PRL5P box, trim, and deadfront filler plates

**Table 56. PRL5P box, trim, and deadfront filler plates**

| Chassis "X" factor | Catalog number | | |
|---|---|---|---|
| | Back box | Trim | Trim door kit |
| **Single bus chassis—30.00-Inch (762.0 mm) wide box** | | | |
| 24X | **5PB2430G** | **5PT2430S** | **5PD24S** |
| 32X | **5PB3230G** | **5PT3230S** | **5PD32S** |
| 40X | **5PB4030G** | **5PT4030S** | **5PD40S** |
| **Double bus chassis—48.00-Inch (1219.2 mm) wide box** | | | |
| 24X | **5PB2448G** | **5PT2448S** | **5PD24T** |
| 32X | **5PB3248G** | **5PT3248S** | **5PD32T** |
| 40X | **5PB4048G** | **5PT4048S** | **5PD40T** |

**Table 57. Deadfront filler plates**

| Vertical "X" increment | Catalog number | |
|---|---|---|
| | Single bus chassis ① | Double bus chassis |
| 1X | **5PFP1S** | **5PFP1T** |
| 2X | **5PFP2S** | **5PFP2T** |
| 3X | **5PFP3S** | **5PFP3T** |
| 4X | **5PFP4S** | **5PFP4T** |
| 5X | **5PFP5S** | **5PFP5T** |
| 6X | **5PFP6S** | **5PFP6T** |

① These fillers are also used across from a breaker unit in a double bus chassis.



5PT2430S



5PD24S



5PFP3S



5PFP3T

## PRL1a, 2a-LX

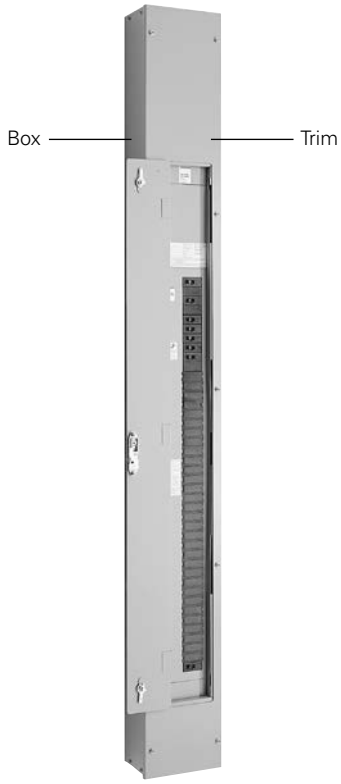



**Table 58. Type 1 box and trims**

| | Catalog number | | |
|---|---|---|---|
| **Box height in inches (mm)** | **Box** | **Surface trim standard** | **Surface trim door-in-door** |
| **Incoming location top fed** | | | |
| 69.00 (1752.6) | **YSC969** | **LTC969S** | **LTCD969S** |
| 78.00 (1981.2) | **YSC978** | **LTC978S** | **LTCD978S** |
| 81.00 (2057.4) | **YSC981** | **LTC981S** | **LTCD981S** |
| 90.00 (2286.0) | **YSC990** | **LTC990S** | **LTCD990S** |
| **Incoming location bottom fed** | | | |
| 69.00 (1752.6) | **YSC969** | **LTC969SB** | **LTCD969SB** |
| 78.00 (1981.2) | **YSC978** | **LTC978SB** | **LTCD978SB** |
| 81.00 (2057.4) | **YSC981** | **LTC981SB** | **LTCD981SB** |
| 90.00 (2286.0) | **YSC990** | **LTC990SB** | **LTCD990SB** |

## Pow-R-Command

For replacement parts, see PRL3a section, **page 19**.
The following parts are available:

- Connector kits
- Ground assemblies
- Service entrance kits
- Deadfront covers
- Trim locks



Pow-R-Command

## Additional services

Because virtually all panelboards are supplied to meet specific customer requirements, other parts not listed in this publication might occasionally be needed. Price and availability for parts not shown here may be obtained by contacting your local satellite plant and providing a complete description of the part along with the data on the panelboard nameplate.

Should you experience difficulty in determining what replacement parts are needed, contact your local satellite plant manager who can provide help to:

- Identify and recommend replacement parts
- Remove damaged parts and instruct you in how to install replacement parts
- Verify the correct connector kits that should be ordered for each circuit breaker or fusible switch
- Retrofit existing panelboard boxes with new Pow-R-Line interiors
- Provide a recommended spare parts list

**Eaton**
1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com

© 2017 Eaton
All Rights Reserved
Printed in USA
Publication No. RP01400001E / Z19610
October 2017

Eaton is a registered trademark.

All other trademarks are property
of their respective owners.

Renewal Parts **RP01400001E**

Effective October 2017
Supersedes February 2009

# Current Eaton panelboards



PRL1a PRL1a-LX PRL2a PRL2a-LX PRL3a PRL4B PRL4F PRL5P Pow-R-Command

## Contents


| Description | Page |
|---|---|
| Procedure for identifying panelboard type | 2 |
| Procedure for identifying renewal parts | 2 |
| Distributor ordering instructions | 2 |
| Eaton satellite plants | 3 |
| **PRL1a, 2a parts** | |
| Connector kits, vertical breakers | 4 |
| Connector kits, lug assemblies | 5 |
| Connector kits, horizontally mounted, PRL1a | 8 |
| Neutral assemblies | 11 |
| Ground assemblies | 15 |
| Service entrance bonding jumper kits | 15 |
| Service entrance main breaker kits | 15 |
| Deadfront covers | 16 |
| Special trim locks | 18 |
| EZ trim locks | 18 |
| Fastrim clamps and hardware kits | 18 |
| **PRL3a parts** | |
| Connector kits assemblies | 19 |
| Ground assemblies | 20 |
| Service entrance bonding jumper kits | 20 |
| Service entrance main breaker kits | 20 |
| Deadfront covers | 20 |

| Description | Page |
|---|---|
| **PRL4 parts** | |
| Vented cover assemblies and side gutter covers | 23 |
| Blank covers | 24 |
| Breaker connector kits | 24 |
| Fusible connector kits | 25 |
| Breaker retrofit kits | 26 |
| Fusible retrofit kits | 27 |
| PRL1a, 2a, 3a EZ trims and enclosures | 27 |
| PRL1a, 2a, 3a special trims and enclosures | 28 |
| PRL4 special trims and enclosures | 29 |
| Type 12/3R enclosures | 30 |
| Ordering procedure | 30 |
| **PRL5P parts** | |
| Chassis layout | 31 |
| Breaker adapter unit catalog numbers | 32 |
| Branch breaker information | 32 |
| Main or through-feed lugs | 33 |
| Neutrals and grounds | 34 |
| Boxes, trims, and filler plates | 34 |
| PRL1a, 2a-LX column panelboards | 35 |
| Pow-R-Command | 35 |
| Additional services | 35 |


Powering Business Worldwide

**Table 1. Product history time line**

| Product | 1985 | 1990 | 1995 | Present |
|---|---|---|---|---|
| PRL1a, 2a | | | ◄ | Oct. 1996 ► |
| PRL3a | | | ◄ | Mar. 1994 ► |
| PRL4B/F | ◄ | | | Oct. 1987 ► |
| PRL5P | | | ◄ | Aug. 1995 ► |
| PRL1a, 2a-LX | | | ◄ | Dec. 1997 ► |
| Pow-R-Command™ | | | ◄ | Mar. 1996 ► |

## Procedure for identifying panelboard type

The current line of Pow-R-Line C™ panelboards was introduced in 1993.

A panelboard is identified by data found on the nameplate. Pow-R-Line C panelboard nameplates are different in appearance, but all have the same critical information:

- Ampere rating of the main
- Ampere rating of the neutral
- Type of service (phase/wire)
- Manufacturing location
- Type of panel
- General order number

In the event the nameplate is missing, it may still be possible to identify the panel type by location of the neutral bar. **Figure 1** shows the position of the neutral in the panelboard.

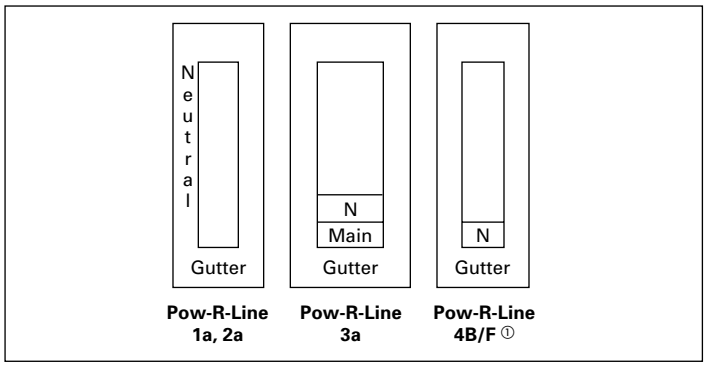



**Figure 1. Position of the neutral in the panelboard**

① PRL4F panels with vertical-mounted main switch will have the neutral mounted at the opposite end the main.

Box width may also help identify the panelboard type. Standard width for PRL1a, PRL2a, and PRL3a is 20.00 inches (508.0 mm). PRL4 standard widths are 24.00, 36.00, and 44.00 inches (609.6, 914.4, and 1117.6 mm).

**⚠ WARNING**

**HAZARDOUS VOLTAGE WILL CAUSE SEVERE INJURY OR DEATH. TURN OFF POWER SUPPLY TO EQUIPMENT BEFORE WORKING ON IT.**

## Procedure for identifying renewal parts

1. Identify the type of panelboard, i.e., PRL1a, PRL2a, PRL3a, PRL4, PRL5P by reading the nameplate. Follow the procedure listed to the left.
2. Refer to the listing below and turn to the proper section in this document to identify standard parts.

**Description** **Page**

PRL1a and PRL2a . . . . . 4
Trim locks . . . . . 18
Trim clamps . . . . . 18
PRL3a . . . . . 19
PRL4 . . . . . 23
Special trims and enclosures . . . . . 29
PRL5P . . . . . 31
PRL1a-LX and PRL2a-LX (column width) . . . . . 35
Pow-R-Command . . . . . 35

3. This book identifies those replacement parts most frequently ordered and which are readily available from stock. These parts can be ordered by style or catalog number to speed up processing and delivery.

### Distributor ordering instructions

1. Specify part by style/part number.
2. Refer to PL01400001E for pricing information. Discount Symbol CE9 applies.
3. Turn to **page 3** to locate nearest satellite plant.
4. Enter the order on the satellite plant via mail, fax, or phone.
5. Selling policy 25-000 applies.

## Eaton satellite plants

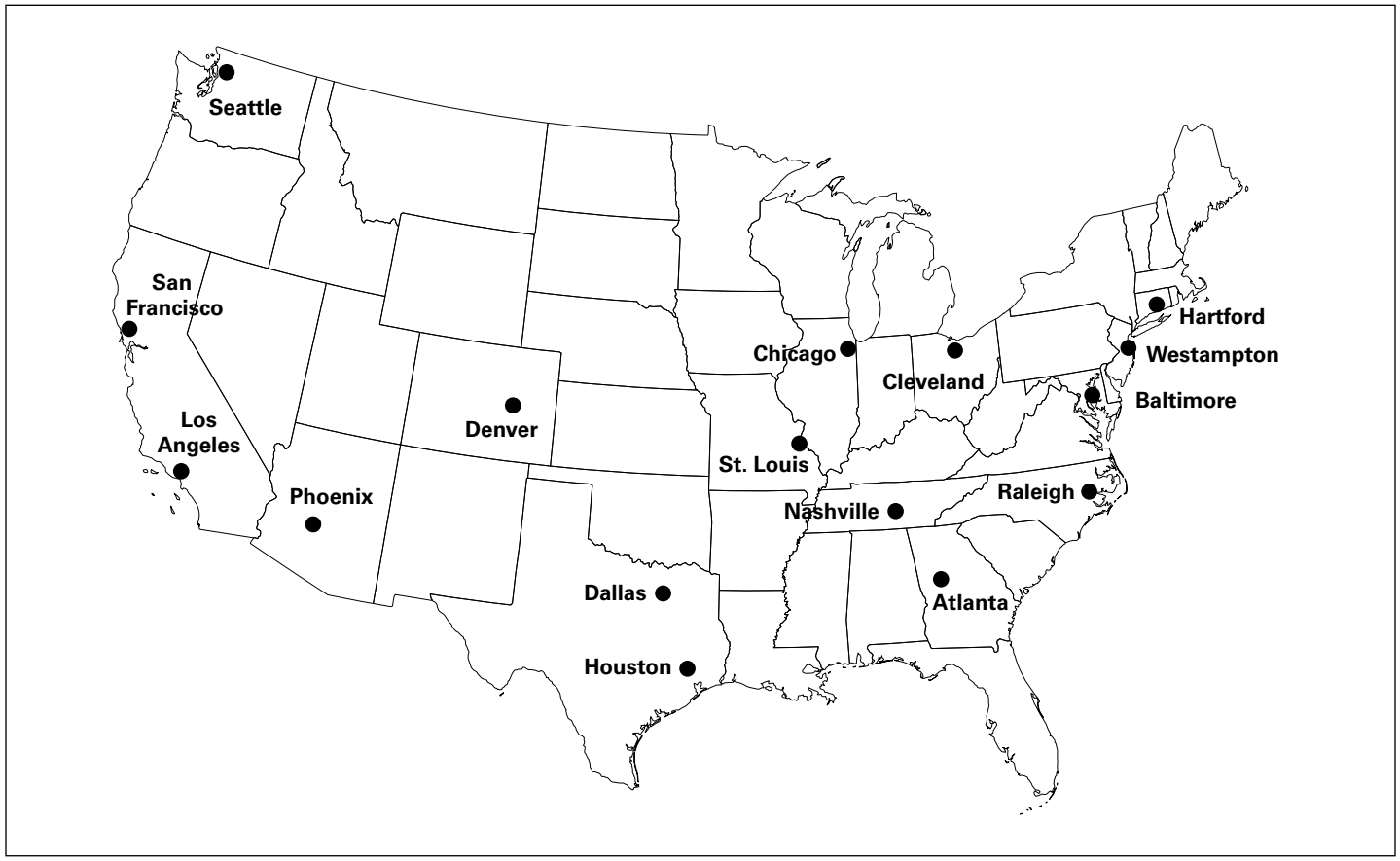



**Figure 2. Satellite plants**

**Atlanta**
7000 Highlands Parkway SE
Suite 102
Smryna, GA 30082
678.309.4260

**Baltimore**
7451 Coca Cola Drive
Suite C
Hanover, MD 21076
410.796.7777

**Chicago**
230 Windy Point Drive
Glendale Heights, IL 60139
630.260.6303

**Cleveland**
12875 Corporate Drive
Unit E
Parma, OH 44130
216.265.3284

**Dallas**
631 Westport Parkway
Suite 100
Grapevine, TX 76051
817.251.6733

**Denver**
2450 Airport Road
Suite C
Aurora, CO 80011
303.366.2080

**Hartford**
40A International Drive
Windsor, CT 06095
860.298.1305

**Houston**
14825 Northwest Freeway
Suite 100
Houston, TX 77040
713.744.7530

**Los Angeles–P&S**
13201 Dahlia Street
Suite 300
Fontana, CA 92337
919.428.8903

**Nashville**
1421 Gould Boulevard
Suite C
La Vergne, TN 37086
615.287.3200

**Phoenix**
560 N 54th Street
Suite 1
Chandler, AZ 85226
480.449.4222

**Raleigh**
9400 Globe Center Drive
Suite 121
Morrisville, NC 27560
919.544.7074

**St. Louis**
56 Soccer Park Road
Fenton, MO 63026
636.717.3500

**San Francisco**
20923 Cabot Boulevard
Hayward, CA 94545
510.784.8981

**Seattle**
1604 15th Street SW
Suite 114
Auburn, WA 98001
253.833.5021

**Westampton**
96 Stemmers Lane
Westampton, NJ 08060
609.835.4230

## PRL1a, 2a parts section


| Description | Page |
|---|---|
| Connector kits, vertical breakers | 4 |
| Connector kits, lug assemblies | 5–7 |
| Connector kits, horizontally mounted | 8–10 |
| Neutral assemblies | 11–14 |
| Ground assemblies | 15 |
| Service entrance bonding jumper kits | 15 |
| Service entrance main breaker kits | 15 |
| Deadfront covers | 16–17 |
| Panelboard special trim locks | 18 |
| Panelboard EZ trim locks | 18 |
| Panelboard Fastrim clamps and screw-on hardware kits | 18 |


## PRL1a, 2a connector kits

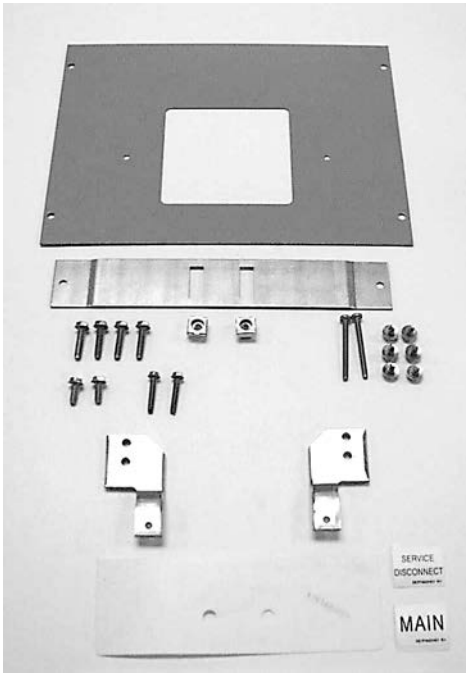
**Table 2. Vertical breaker assemblies**

| | | Three-phase | | Single-phase | |
|---|---|---|---|---|---|
| | | Tin-plated aluminum connector | Silver-plated copper connector | Tin-plated aluminum connector | Silver-plated copper connector |
| Device type ① | Device mounting | Catalog number | | | |
| F-Frame ② (100 A maximum) | Top fed | **KB13AFT** | **KB13SFT** | **KB11AFT** | **KB11SFT** |
| | Bottom fed | **KB13AFB** | **KB13SFB** | **KB11AFB** | **KB11SFB** |
| F-Frame ③ (225 A maximum) | Top fed | **KB23AFT** | **KB23SFT** | **KB21AFT** | **KB21SFT** |
| | Bottom fed | **KB23AFB** | **KB23SFB** | **KB21AFB** | **KB21SFB** |
| J-Frame | Top fed | **KB43AJT** | **KB43SJT** | **KB41AJT** | **KB41SJT** |
| | Bottom fed | **KB43AJB** | **KB43SJB** | **KB41AJB** | **KB41SJB** |
| K-Frame | Top fed | **KB43AKT** | **KB43SKT** | **KB41AKT** | **KB41SKT** |
| | Bottom fed | **KB43AKB** | **KB43SKB** | **KB41AKB** | **KB41SKB** |

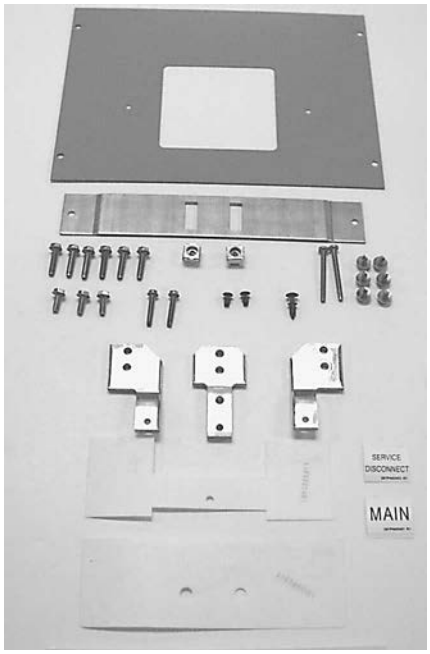
① Order main or sub-feed breaker separately when ordering above connector kits.

② EHD, FD, HFD, FDC.

③ FD, HFD, FDC, ED, EDH, EDC.




KB11AFT




KB13AFT

**Table 3. 100 A lug assemblies**

| | | | | Three-phase | | Single-phase | |
|---|---|---|---|---|---|---|---|
| | | | | Tin-plated aluminum connector | Silver-plated copper connector | Tin-plated aluminum connector | Silver-plated copper connector |
| **Lug type** | **Panel lug options ①** | **Wire size range** | **Quantity per phase** | **Catalog number** | | | |
| Aluminum/copper mechanical | STD | #14–1/0 | 1 | **KL13AMS** | **KL13SMS** | **KL11AMS** | **KL11SMS** |
| | SFL | #14–1/0 | 2 | **KL13AMF** | **KL13SMF** | **KL11AMF** | **KL11SMF** |
| | OVS | #6–300 kcmil | 1 | **KL13AMO** | **KL13SMO** | **KL11AMO** | **KL11SMO** |
| Crimp | STD | #1–1/0 | 1 | **KL13AVS** | **KL13SVS** | **KL11AVS** | **KL11SVS** |
| | SFL | #1–1/0 | 2 | **KL13AVF** | **KL13SVF** | **KL11AVF** | **KL11SVF** |
| | OVS | 2/0–300 kcmil | 1 | **KL13AVO** | **KL13SVO** | **KL11AVO** | **KL11SVO** |
| Copper mechanical | STD | #14–1/0 | 1 | — | **KL13SCS** | — | **KL11SCS** |
| | SFL | #14–1/0 | 2 | — | **KL13SCF** | — | **KL11SCF** |
| | OVS | #6–250 kcmil | 1 | — | **KL13SCO** | — | **KL11SCO** |

① STD = Standard lugs. Use for main or through-feed.
SFL = Sub-feed lugs.
OVS = Oversize lugs. Use for main or through-feed.



KL13AMS



KL11AVS

**Table 4. 225 A lug assemblies**

| | | | | Three-phase | | Single-phase | |
|---|---|---|---|---|---|---|---|
| | | | | Tin-plated aluminum connector | Silver-plated copper connector | Tin-plated aluminum connector | Silver-plated copper connector |
| **Lug type** | **Panel lug options ①** | **Wire size range** | **Quantity per phase** | **Catalog number** | | | |
| Aluminum/copper mechanical | STD | #6–300 kcmil | 1 | **KL23AMS** | **KL23SMS** | **KL21AMS** | **KL21SMS** |
| | SFL | #6–300 kcmil | 2 | **KL23AMF** | **KL23SMF** | **KL21AMF** | **KL21SMF** |
| | OVS | 4/0–500 kcmil | 1 | **KL23AMO** | **KL23SMO** | **KL21AMO** | **KL21SMO** |
| Crimp | STD | 2/0–300 kcmil | 1 | **KL23AVS** | **KL23SVS** | **KL21AVS** | **KL21SVS** |
| | SFL | 2/0–300 kcmil | 2 | **KL23AVF** | **KL23SVF** | **KL21AVF** | **KL21SVF** |
| | OVS | 4/0–500 kcmil | 1 | **KL23AVO** | **KL23SVO** | **KL21AVO** | **KL21SVO** |
| Copper mechanical | STD | #6–250 kcmil | 1 | — | **KL23SCS** | — | **KL21SCS** |
| | SFL | #6–250 kcmil | 2 | — | **KL23SCF** | — | **KL21SCF** |
| | OVS | 1/0–600 kcmil | 1 | — | **KL23SCO** | — | **KL21SCO** |

① STD = Standard lugs. Use for main or through-feed.
SFL = Sub-feed lugs.
OVS = Oversize lugs. Use for main or through-feed.



KL23AMS

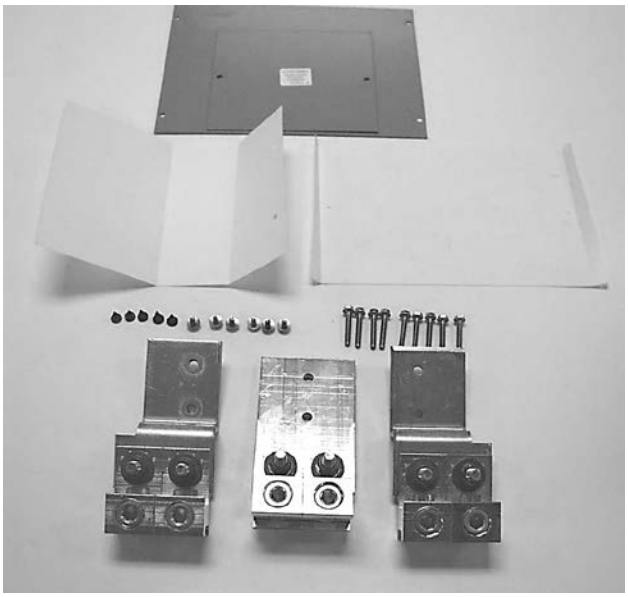


KL21AVS

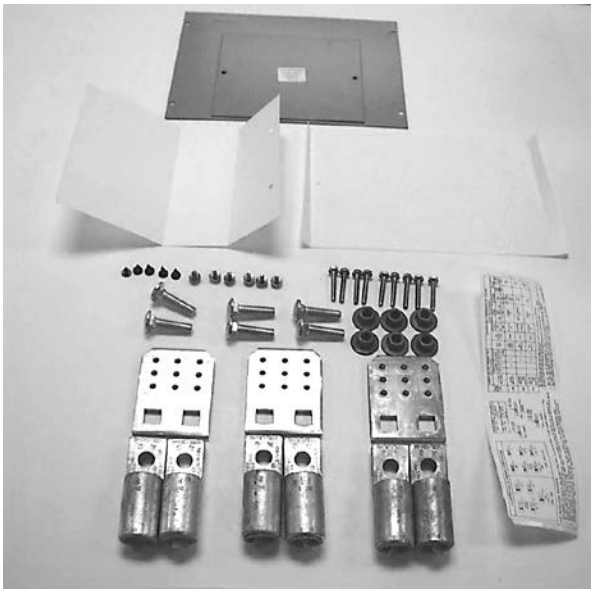
**Table 5. 400 A lug assemblies**

| Lug type | Panel lug options ① | Wire size range | Quantity per phase | Three-phase | | Single-phase | |
|---|---|---|---|---|---|---|---|
| | | | | Tin-plated aluminum connector | Silver-plated copper connector | Tin-plated aluminum connector | Silver-plated copper connector |
| | | | | Catalog number | | | |
| Aluminum/copper mechanical | STD | 4/0–500 kcmil | 2 | **KL43AMS** | **KL43SMS** | **KL41AMS** | **KL41SMS** |
| | SFL | — | — | — | — | — | — |
| | OVS | 3/0–750 kcmil | 2 | **KL43AMO** | **KL43SMO** | **KL41AMO** | **KL41SMO** |
| Crimp | STD | 4/0–500 kcmil | 2 | **KL43AVS** | **KL43SVS** | **KL41AVS** | **KL41SVS** |
| | SFL | — | — | — | — | — | — |
| | OVS | 500–750 kcmil | 2 | **KL43AVO** | **KL43SVO** | **KL41AVO** | **KL41SVO** |
| Copper mechanical | STD | 1/0–600 kcmil | 1 | — | — | — | — |
| | SFL | — | — | — | — | — | — |
| | OVS | 1/0–600 kcmil | 1 | — | **KL43SCO** | — | **KL41SCO** |

① STD = Standard lugs. Use for main or through-feed.
SFL = Sub-feed lugs.
OVS = Oversize lugs. Use for main or through-feed.



KL43AMS



KL43AVS

**Table 6. 600 A lug assemblies**

| Lug type | Panel lug options ① | Wire size range | Quantity per phase | Three-phase connectors | | | | Single-phase connectors | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Tin-plated aluminum | Bare copper | Silver-plated copper | Tin-plated copper | Tin-plated aluminum | Bare copper | Silver-plated copper | Tin-plated copper |
| | | | | Catalog number | | | | | | | |
| Aluminum/copper mechanical | STD | 4/0–500 kcmil | 2 | — | **KL63CMS** | **KL63SMS** | **KL63TMS** | — | **KL61CMS** | **KL61SMS** | **KL61TMS** |
| | SFL | — | — | — | — | — | — | — | — | — | — |
| | OVS | 3/0–750 kcmil | 2 | — | **KL63CMO** | **KL63SMO** | **KL63TMO** | — | **KL61CMO** | **KL61SMO** | **KL61TMO** |
| Crimp | STD | 4/0–500 kcmil | 2 | — | **KL63CVS** | **KL63SVS** | **KL63TVS** | — | **KL61CVS** | **KL61SVS** | **KL61TVS** |
| | SFL | — | — | — | — | — | — | — | — | — | — |
| | OVS | 500–750 kcmil | 2 | — | **KL63CVO** | **KL63SVO** | **KL63TVO** | — | **KL61CVO** | **KL61SVO** | **KL61TVO** |
| Copper mechanical | STD | 1/0–600 kcmil | 1 | — | — | — | — | — | — | — | — |
| | SFL | — | — | — | — | — | — | — | — | — | — |
| | OVS | 1/0–600 kcmil | 1 | — | — | — | — | — | — | — | — |

① STD = Standard lugs. Use for main or through-feed.
SFL = Sub-feed lugs.
OVS = Oversize lugs. Use for main or through-feed.

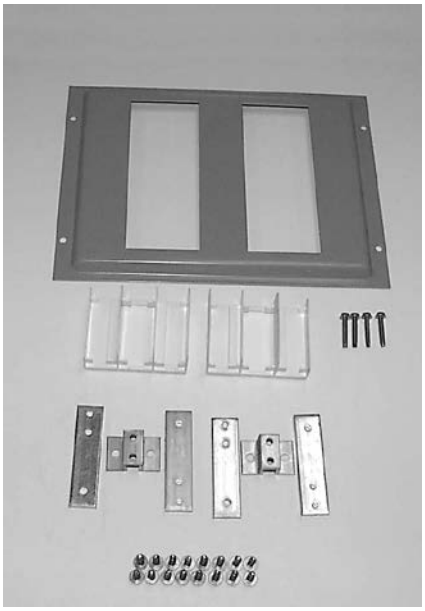
## PRL1a horizontally mounted connector kit assemblies

**Table 7. Bolt-on QUICKLAG® breaker assemblies**

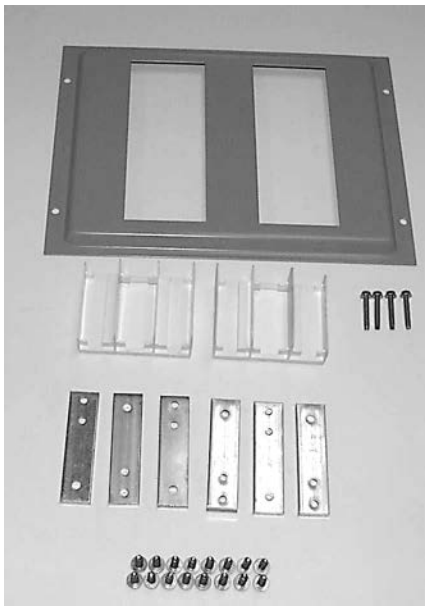
| | | | Three-phase | | Single-phase | |
|---|---|---|---|---|---|---|
| | | | Tin-plated aluminum connector | Silver-plated copper connector | Tin-plated aluminum connector | Silver-plated copper connector |
| Breaker frame | Drawing number ① | Branch circuit quantity | Item number | | | |
| BA, BAB, QBH, QBGF, QBHGF, QBGFEP, QBHGFEP | 1C96608 | 12 | G01 | G03 | G05 | G07 |
| | | 18 | G09 | G11 | G13 | G15 |
| | | 30 | G17 | G19 | G21 | G23 |
| | | 42 | G25 | G27 | G29 | G31 |
| | | 48 | G33 | G35 | G37 | G39 |
| | | 54 | G41 | G43 | G45 | G47 |
| | | 72 | G49 | G51 | G53 | G55 |
| | | 96 | G57 | G59 | G61 | G63 |

① Order the basic drawing number, along with the equivalent G–number that's needed.

**Note:** When determining branch circuit quantity, remember:
1. QUICKLAG breakers with shunt trips require one additional circuit.
2. UL® listed lighting and appliance (CTL) panelboards **cannot** exceed 42 electrically connected circuits in a single enclosure.
3. When bare copper is specified, use the silver-plated groups.
4. **Order breakers separately with connector kit.**



1C96608G01



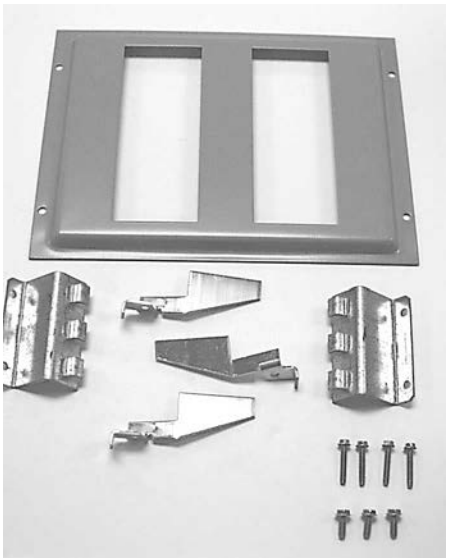
1C96608G05

**Table 8. Plug-in QUICKLAG breaker assemblies**

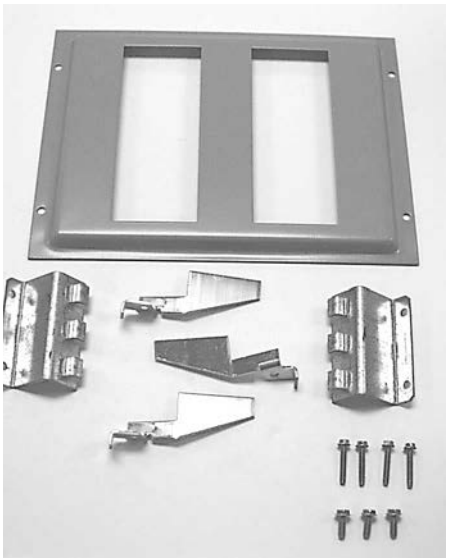
| | | | Three-phase | | Single-phase | |
|---|---|---|---|---|---|---|
| | | | Tin-plated aluminum connector | Silver-plated copper connector | Tin-plated aluminum connector | Silver-plated copper connector |
| **Breaker frame** | **Drawing number ①** | **Branch circuit quantity** | **Item number** | | | |
| HQP, QPHW, QHPX, QPGF, QPHGF, QPGFEP, QPHGFEP | 2C11642 | 12 | — | G03 | — | G07 |
| | | 18 | — | G11 | — | G15 |
| | | 30 | — | G19 | — | G23 |
| | | 42 | — | G27 | — | G31 |
| | | 48 | — | G35 | — | G39 |
| | | 54 | — | G43 | — | G47 |
| | | 72 | — | G51 | — | G55 |
| | | 96 | — | G59 | — | G63 |

① Order the basic drawing number, along with the equivalent G–number that's needed.

**Note:** When determining branch circuit quantity, remember:
1. QUICKLAG breakers with shunt trips require one additional circuit.
2. UL listed lighting and appliance (CTL) panelboards **cannot** exceed 42 electrically connected circuits in a single enclosure.
3. When aluminum is specified, use the silver-plated groups.
4. The sum of the horizontally twin-mounted breakers **shall not exceed 140 A**.
5. **Order breakers separately with connector kit.**



2C11642G03



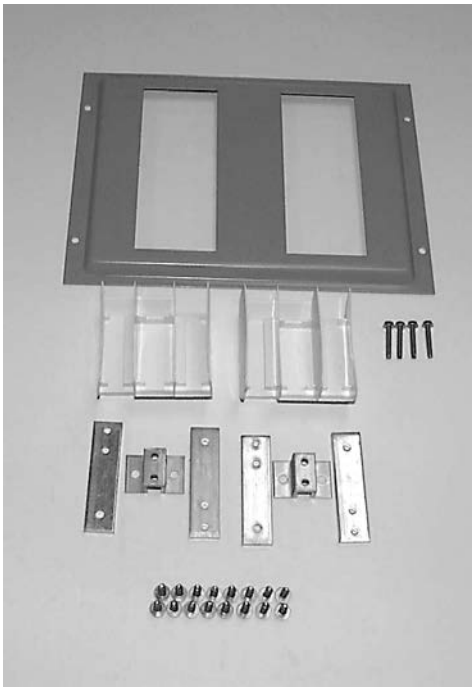
2C11642G07

**Table 9. GB, GHB, GHQ, GHBS breaker assemblies**

| | | | Three-phase | | Single-phase | |
|---|---|---|---|---|---|---|
| | | | Tin-plated aluminum connector | Silver-plated copper connector | Tin-plated aluminum connector | Silver-plated copper connector |
| Breaker frame | Drawing number ① | Branch circuit quantity | Item number | | | |
| GB, GHB, GHQ, GHBS | 1C96609 | 12 | G01 | G03 | G05 | G07 |
| | | 18 | G09 | G11 | G13 | G15 |
| | | 30 | G17 | G19 | G21 | G23 |
| | | 42 | G25 | G27 | G29 | G31 |
| | | 48 | G33 | G35 | G37 | G39 |
| | | 54 | G41 | G43 | G45 | G47 |
| | | 72 | G49 | G51 | G53 | G55 |
| | | 96 | G57 | G59 | G61 | G63 |

① Order the basic drawing number, along with the equivalent G–number that's needed.

**Note:** When determining branch circuit quantity, remember:
1. QUICKLAG breakers with shunt trips require one additional circuit.
2. UL listed lighting and appliance (CTL) panelboards **cannot** exceed 42 electrically connected circuits in a single enclosure.
3. When bare copper is specified, use the silver-plated groups.
4. **Order breakers separately with connector kit.**



1C96609G01

## PRL1a, 2a neutral assemblies

**Table 10. 100 A neutral assemblies** ①

| Panel main bus ampere rating | Neutral rating | Lug type | Drawing number ② | Panel lug options ③ | Wire size range | Quantity | Tin-plated aluminum connector Item number | Silver-plated copper connector |
|---|---|---|---|---|---|---|---|---|
| 100 | 100% | Mechanical | 1C96646 | STD | #14–1/0 | 1 | G02 | G03 |
| | | | | SFL/TFL | #14–1/0 | 2 | G05 | G07 |
| | | | | OVS | #6–300 kcmil | 1 | G09 | G11 |
| | | Crimp | 42C4050 | STD | #1–1/0 | 1 | G01 | G03 |
| | | | | SFL/TFL | #1–1/0 | 2 | G05 | G07 |
| | | | | OVS | 2/0–300 kcmil | 1 | G09 | G11 |
| | | Copper | 1C96648 | STD | #14–1/0 | 1 | — | G03 |
| | | | | SFL/TFL | #14–1/0 | 2 | — | G07 |
| | | | | OVS | #6–250 kcmil | 1 | — | G11 |
| | 200% | Mechanical | 1C96649 | STD | #6–300 kcmil | 1 | G02 | G03 |
| | | | | SFL/TFL | #6–300 kcmil | 2 | G06 | G07 |
| | | | | OVS | 4/0–500 kcmil | 1 | G09 | G11 |
| | | Crimp | 42C4051 | STD | 2/0–300 kcmil | 1 | G01 | G03 |
| | | | | SFL/TFL | 2/0–300 kcmil | 2 | G05 | G07 |
| | | | | OVS | 4/0–500 kcmil | 1 | G09 | G11 |
| | | Copper | 1C96651 | STD | #6–250 kcmil | 1 | — | G03 |
| | | | | SFL/TFL | #6–250 kcmil | 2 | — | G07 |
| | | | | OVS | 1/0–600 kcmil | 1 | — | G11 |

① The assemblies shown on this page are for panelboards that mount in 30.00–90.00-inch (762.0–2286.0 mm) high enclosures only. Reference **page 14** for assemblies for panelboards that mount in 21.00–27.00-inch (533.4–685.8 mm) high enclosures.

② Order the basic drawing number, along with the equivalent G–number that's needed.

③ STD = Standard lugs.
SFL/TFL = Sub-feed and through-feed lugs.
OVS = Oversize lugs.



1C96646G01

**Table 11. 225 A neutral assemblies** ①

| Panel main bus ampere rating | Neutral rating | Lug type | Drawing number ② | Panel lug options ③ | Wire size range | Quantity | Tin-plated aluminum connector Item number | Silver-plated copper connector |
|---|---|---|---|---|---|---|---|---|
| 225 | 100% | Mechanical | 1C96649 | STD | #6–300 kcmil | 1 | G02 | G03 |
| | | | | SFL/TFL | #6–300 kcmil | 2 | G06 | G07 |
| | | | | OVS | 4/0–500 kcmil | 1 | G09 | G11 |
| | | Crimp | 42C4051 | STD | 2/0–300 kcmil | 1 | G01 | G03 |
| | | | | SFL/TFL | 2/0–300 kcmil | 2 | G05 | G07 |
| | | | | OVS | 4/0–500 kcmil | 1 | G09 | G11 |
| | | Copper | 1C96651 | STD | #6–250 kcmil | 1 | — | G03 |
| | | | | SFL/TFL | #6–250 kcmil | 2 | — | G07 |
| | | | | OVS | 1/0–600 kcmil | 1 | — | G11 |
| | 200% | Mechanical | 1C96652 | STD | 4/0–500 kcmil | 2 | G01 | G03 |
| | | | | SFL/TFL | — | — | G05 | G07 |
| | | | | OVS | 3/0–750 kcmil | 2 | G09 | G11 |
| | | Crimp | 42C4052 | STD | 4/0–500 kcmil | 2 | G01 | G03 |
| | | | | SFL/TFL | — | — | G05 | G07 |
| | | | | OVS | 500–750 kcmil | 2 | G09 | G11 |
| | | Copper | 1C96654 | STD | 1/0–600 kcmil | 1 | — | G03 |
| | | | | SFL/TFL | — | — | — | G07 |
| | | | | OVS | 1/0–600 kcmil | 1 | — | G11 |

① The assemblies shown on this page are for panelboards that mount in 30.00–90.00-inch (762.0–2286.0 mm) high enclosures.

② Order the basic drawing number, along with the equivalent G–number that's needed.

③ STD = Standard lugs.
SFL/TFL = Sub-feed and through-feed lugs.
OVS = Oversize lugs.



1C96649G01

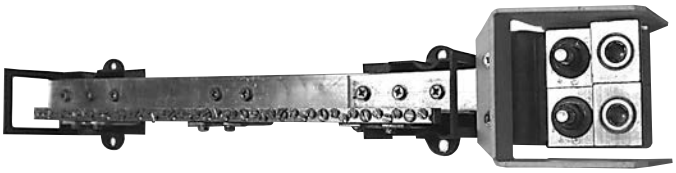
**Table 12. 400 A neutral assemblies** ①

| Panel main bus ampere rating | Neutral rating | Lug type | Drawing number ② | Panel lug options ③ | Wire size range | Quantity | Tin-plated aluminum connector Item number | Silver-plated copper connector |
|---|---|---|---|---|---|---|---|---|
| 400 | 100% | Mechanical | 1C96652 | STD | 4/0–500 kcmil | 2 | G01 | G03 |
| | | | | SFL/TFL | — | — | G05 | G07 |
| | | | | OVS | 3/0–750 kcmil | 2 | G09 | G11 |
| | | Crimp | 42C4052 | STD | 4/0–500 kcmil | 2 | G01 | G03 |
| | | | | SFL/TFL | — | — | G05 | G07 |
| | | | | OVS | 500–750 kcmil | 2 | G09 | G11 |
| | | Copper | 1C96654 | STD | 1/0–600 kcmil | 1 | — | G03 |
| | | | | SFL/TFL | — | — | — | G07 |
| | | | | OVS | 1/0–600 kcmil | 1 | — | G11 |

① The assemblies shown on this page are for panelboards that mount in 30.00–90.00-inch (762.0–2286.0 mm) high enclosures.

② Order the basic drawing number, along with the equivalent G–number that's needed.

③ STD = Standard lugs.
SFL/TFL = Sub-feed and through-feed lugs.
OVS = Oversize lugs.



1C96652G01

**Table 13. 600 A neutral assemblies** ①

| Panel main bus ampere rating | Neutral rating | Lug type | Drawing number ② | Circuit quantity | Panel lug options ③ | Tin-plated aluminum connector Item number | Bare copper | Silver-plated copper connector | Tin-plated copper connector |
|---|---|---|---|---|---|---|---|---|---|
| 600 | 100% | Mechanical | 1C96652 | 42 or less | STD | — | G02 | G03 | G04 |
| | | | | | TFL | — | G06 | G07 | G08 |
| | | | | | OVS | — | G10 | G11 | G12 |
| | | | | | OVS W/ TFL | — | G26 | G27 | G28 |
| | | Anderson | — | 42 or less | STD | — | — | — | — |
| | | | | | TFL | — | — | — | — |
| | | | | | OVS | — | — | — | — |
| | | Burndy | 42C4052 | 42 or less | STD | — | G02 | G03 | G04 |
| | | | | | TFL | — | G06 | G07 | G08 |
| | | | | | OVS | — | G10 | G11 | G12 |
| | | Copper | — | 42 or less | STD | — | — | — | — |
| | | | | | TFL | — | — | — | — |
| | | | | | OVS | — | — | — | — |
| | | | | Greater than 42 | STD | — | — | — | — |
| | | | | | TFL | — | — | — | — |
| | | | | | OVS | — | — | — | — |

① The assemblies shown on this page are for panelboards that mount in 30.00–90.00-inch (762.0–2286.0 mm) high enclosures.

② Order the basic drawing number, along with the equivalent G–number that's needed.

③ STD = Standard lugs.
SFL/TFL = Sub-feed and through-feed lugs.
OVS = Oversize lugs.

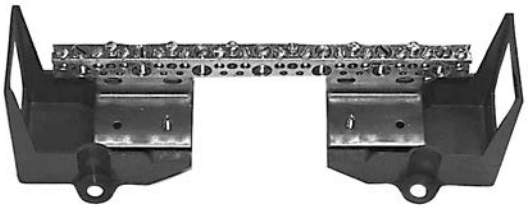
**Table 14. 100 A neutral assemblies for 21.00–27.00-inch (533.4–685.8 mm) high enclosures only ①**

| Panel main bus ampere rating | Neutral rating | Lug type | Drawing number ② | Panel lug options ③ | Wire size range | Quantity | Tin-plated aluminum connector Item number | Silver-plated copper connector |
|---|---|---|---|---|---|---|---|---|
| 100 | 100% | Mechanical | 1C96645 | STD | #14–1/0 | 1 | G01 | G03 |
| | | | | SFL/TFL | #14–1/0 | 2 | G05 | G07 |
| | | | | OVS | — | — | — | — |
| | | Crimp | — | STD | — | — | — | — |
| | | | | SFL/TFL | — | — | — | — |
| | | | | OVS | — | — | — | — |
| | | Copper | — | STD | — | — | — | — |
| | | | | SFL/TFL | — | — | — | — |
| | | | | OVS | — | — | — | — |
| | 200% | Mechanical | 1C97022 | STD | #6–300 kcmil | 1 | G01 | G03 |
| | | | | SFL/TFL | #6–300 kcmil | 2 | G05 | G07 |
| | | | | OVS | — | — | — | — |
| | | Crimp | — | STD | — | — | — | — |
| | | | | SFL/TFL | — | — | — | — |
| | | | | OVS | — | — | — | — |
| | | Copper | — | STD | — | — | — | — |
| | | | | SFL/TFL | — | — | — | — |
| | | | | OVS | — | — | — | — |

① The assemblies shown on this page are for panelboards that mount in 21.00–27.00-inch (533.4–685.8 mm) high enclosures only. Reference **page 11** for assemblies for panels that mount in 36.00, 48.00, 60.00, 72.00, and 90.00-inch (914.4, 1219.2, 1524.0, 1828.8, and 2286.0 mm) high enclosures.

② Order the basic drawing number, along with the equivalent G–number that's needed.

③ STD = Standard lugs.
SFL/TFL = Sub-feed and through-feed lugs.
OVS = Oversize lugs.



1C96645G01

## PRL1a, 2a ground assemblies

**Table 15. Standard ground**

| Drawing number ① | Enclosure height in inches (mm) | Bar material | Item number |
|---|---|---|---|
| 5158C05 | 24.00 (609.6) | Aluminum/copper | G01 |
| | | Copper | G03 |
| | 36.00 (914.4), 48.00 (1219.2), 60.00 (1524.0), 72.00 (1828.8), 90.00 (2286.0) | Aluminum/copper | G02 |
| | | Copper | G04 |

① Order the basic drawing number, along with the equivalent G–number that's needed (example: 5158C05G01).



5158C05G01



5158C05G02

**Table 16. Isolated ground**

| Drawing number ① | Enclosure height in inches (mm) | Bar material | Item number |
|---|---|---|---|
| 2C11296 | 24.00 (609.6) | Aluminum/copper | G01 |
| | | Copper | G02 |
| | 36.00 (914.4), 48.00 (1219.2), 60.00 (1524.0), 72.00 (1828.8), 90.00 (2286.0) | Aluminum/copper | G03 |
| | | Copper | G04 |

① Order the basic drawing number, along with the equivalent G–number that's needed (example: 5158C05G01).

## PRL1a, 2a service entrance bonding jumper kits

**Table 17. PRL1a, 2a service entrance bonding jumper kits**

| Drawing number ① | Panel ampere rating | Tin-plated aluminum | Bare copper | Silver-plated copper | Tin-plated copper |
|---|---|---|---|---|---|
| | | Item number | | | |
| **Mechanical main lugs or main breakers** | | | | | |
| 4180B62 | 100–225 | G01 | G02 | G03 | G04 |
| 4180B62 | 400–600 | G05 | G06 | G07 | G08 |
| **Compression (crimp) main lugs** | | | | | |
| 4180B62 | 100–225 | G09 | G10 | G11 | G12 |
| 4180B62 | 400–600 | G13 | G14 | G15 | G16 |
| **Copper main lugs** | | | | | |
| 4180B62 | 100–225 | — | G18 | G19 | G20 |
| 4180B62 | 400–600 | — | G22 | G23 | G24 |

① Order the basic drawing number, along with the equivalent G–number that's needed (example: 5158C05G01).




4180B62G01

## PRL1a, 2a service entrance main breaker kits

**Table 18. PRL1a, 2a service entrance main breaker kits**

| Description | Circuit breaker frame | Catalog number |
|---|---|---|
| Service entrance barrier for LG and KD | LG/KD | **PRLSEBLGKD** |
| Service entrance barrier for JD | JD | **PRLSEBJD** |
| Service entrance barrier for FD | FD | **PRLSEBFD** |
| Service entrance barrier for GHB | GHB | **PRLSEBGHB** |




SE barrier kit FD_016

## PRL1a, 2a deadfront covers

**Note:** Does not apply to PRL4 sub-chassis.

**Table 19. Assembly**

| Assembly drawing number ① | Standard enclosure height in inches (mm) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 24.00 (609.6) | 36.00 (914.4) | 42.00 (1066.8) | 48.00 (1219.2) | 60.00 (1524.0) | 72.00 (1828.8) | 90.00 (2286.0) |
| 1C96638 | G01 | G02 | G07 | G03 | G04 | G05 | G06 |

① Order the basic drawing number, along with the equivalent G–number that's needed (example: 1C96638G01).



1C96638G01

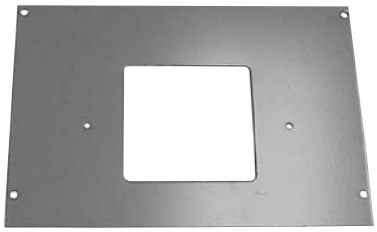
**Table 20. Vertically mounted devices**

| Mounting arrangement | Device/frame | Drawing number ① | Mounting position | Item number |
|---|---|---|---|---|
| Vertical | 100 A MLO, SFL, TFL or F-Frame (100 A maximum) | 4180B03 | Top | H01 |
| | | | Bottom | H01 |
| | 225 A MLO, SFL, TFL or F-Frame (225 A maximum) | 4180B61 | Top | H01 |
| | | | Bottom | H01 |
| | 400 A MLO, SFL, TFL or J-Frame | 4180B04 | Top | H01 |
| | | | Bottom | H02 |
| | 400 A MLO, TFL or K-Frame | 4180B05 | Top | H01 |
| | | | Bottom | H02 |
| Blank covers in inches (mm) | 1.00 (25.4) | 4180B08 | — | H01 |
| | 2.00 (50.8) | | — | H02 |
| | 3.00 (76.2) | | — | H03 |
| | 4.00 (101.6) | | — | H04 |
| | 5.00 (127.0) | | — | H05 |
| | 6.00 (152.4) | | — | H06 |
| | 7.00 (177.8) | | — | H07 |
| | 8.00 (203.2) | | — | H08 |
| | 9.00 (228.6) | | — | H09 |
| | 10.00 (254.0) | | — | H10 |
| | 11.00 (279.4) | | — | H11 |
| | 12.00 (304.8) | | — | H12 |
| | 13.00 (330.2) | | — | H13 |
| | 14.00 (355.6) | | — | H14 |
| | 15.00 (381.0) | | — | H15 |
| | 16.00 (406.4) | | — | H16 |

① Order the basic drawing number, along with the equivalent H–number that's needed (example: 4180B03H01).



4180B08H03

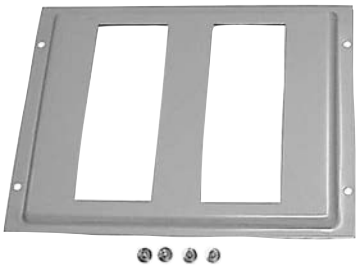


4180B03H01

**Table 21. Horizontally mounted devices**

| Mounting arrangement | Device/frame | Drawing number ① | Branch circuit quantity | Item number | Quantity required |
|---|---|---|---|---|---|
| Horizontal | BA, BAB, QBH, QBGF, QBHGF, QBGFEP, QBHGFEP | 1C96619 | 12 | H01 | 1 |
| | | | 18 | H02 | 1 |
| | | | 30 | H04 | 1 |
| | | | 42 | H06 | 1 |
| | | | 48 | H03 | 2 |
| | | | 54 | H03 and H04 | 1 each |
| | | | 72 | H05 | 2 |
| | | | 96 | H07 | 2 |
| | GB, GHB, GHQ, GHBS | 1C96620 | 12 | H01 | 1 |
| | | | 18 | H02 | 1 |
| | | | 30 | H04 | 1 |
| | | | 42 | H06 | 1 |
| | | | 48 | H03 | 2 |
| | | | 54 | H03 and H04 | 1 each |
| | | | 72 | H05 | 2 |
| | | | 96 | H07 | 2 |

① Order the basic drawing number, along with the equivalent H–number that's needed (example: 1C96619H01).



1C96619H01



1C96620H01

**Table 22. Filler covers**

| Device/frame | Drawing number | Item number |
|---|---|---|
| F, J, K ① | 4180B52 | H01 |
| QUICKLAG, GB, GHB ② | 5155C62 | H01 |

① Filler covers are required in addition to deadfront cover whenever MLO, SFL or TFL are specified.

② Filler covers are required in addition to deadfront cover whenever a branch provision is specified.



5155C62H01



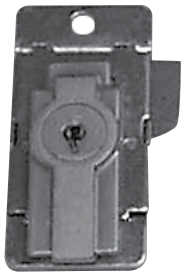
4180B52H01

## Panelboard special trim locks

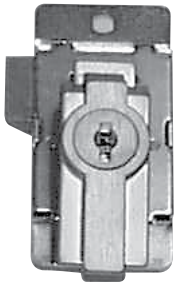
Panelboard trims use different trim locks. See pictures below for styles and part numbers. Contact your nearest satellite for availability on the styles listed below. See **page 3** for satellite listings.

**Table 23. Panelboard special trim locks**

| Description | Catalog number |
|---|---|
| For use on left-handed door (hinged on left side) | **K80522** |
| For use on right-handed door (hinged on right side) | **K80133** |
| T–Handle lock, at one time used on all trims over 48.00 inches (1219.2 mm) in height<br>Also used on outdoor NEMA® 12/3R trims | **K80429** |
| Used on PRL4 lighting and power panels as standard | **1A32258H03** |
| Used on PRL1, 2, 3 and PRL1a, 2a, 3a lighting panels as standard; WEM 2 key | **5155C81G01** |



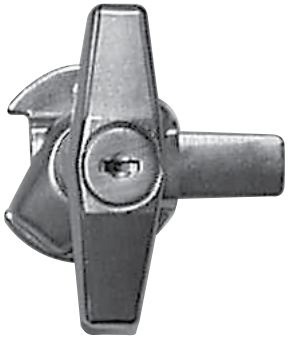
K80522



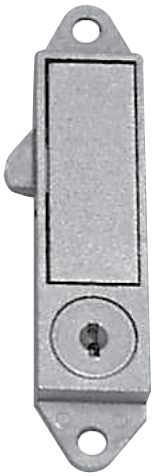
K80133



5155C81G01



K80429



1A32258H03

## Panelboard EZ trim locks

Panelboard EZ trims use different trim locks. See **Table 24** and pictures below for styles and part numbers. Contact your nearest satellite for availability. See **page 3** for satellite listings.

**Table 24. Panelboard EZ trim locks**

| Description | Size | Catalog number |
|---|---|---|
| Lock | 24–48 inches | **5155C81G03** |
| Lock and latch | 54–60 inches | **5155C81G03/5155C81G05** |
| Lock and latch | 72–90 inches | **5155C81G04/5155C81G06** |




EZ trim lock with key



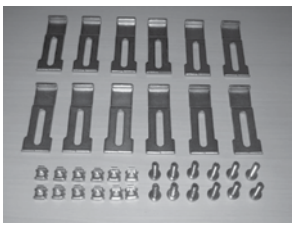

EZ trim latch without key

## Panelboard Fastrim clamps and screw-on hardware kits

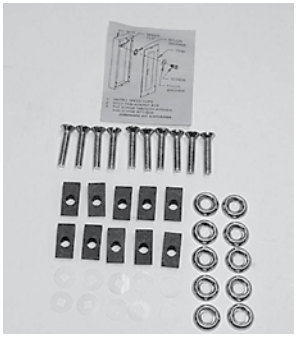
For panelboard trim clamps, contact your nearest satellite for availability on the styles listed below. See **page 3** for satellite listings.

**Table 25. Panelboard Fastrim clamps and screw-on hardware kits**

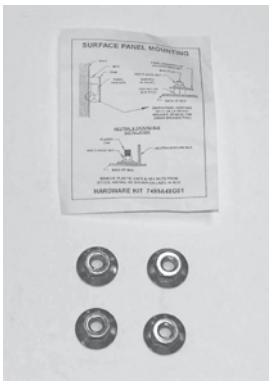
| Description | Style number |
|---|---|
| Trim clamps—used on PRL1a, 2a, 3a Fastrims (6 per bag) | **2C11641G02** |
| Trim screws—used on PRL1a, 2a, 3a, 4B standard trim (10 per bag) | **5157C83G06** |
| Chassis mounting hardware bag—PRL1a, 2a, 3a panels | **7499A48G04** |



2C11641G02



5157C83G06




7499A48G04

## PRL3a parts section

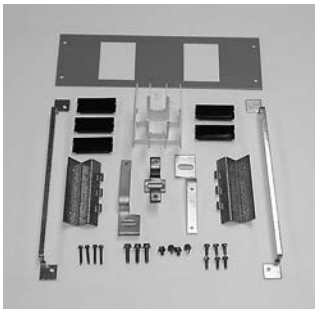

| Description | Page |
|---|---|
| Connector kit assemblies | 19 |
| Ground assemblies | 20 |
| Service entrance kits | 20 |
| Deadfront covers | 20–22 |


## PRL3a horizontally mounted connector kit assemblies

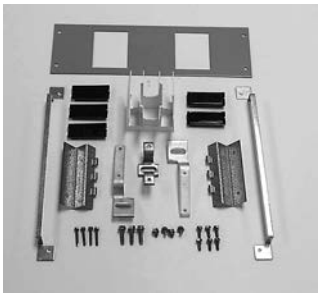
Three-phase kits contain A, B, and C phase connectors. Single-phase kits contain A and C phase connectors, deadfront cover, hardware and instructions to twin-mount breakers across from each other. **Maximum amperes connected to any one connector cannot exceed 200 A.**

**Table 26. Connector kit assemblies**

| Devices | Circuits or pole | Three-phase | | Single-phase | | Notes |
|---|---|---|---|---|---|---|
| | | Catalog number | Phase | Catalog number | Phase | |
| BA, BAB, QBGF, QBH, QBHGF, QBGFEP, QBHGFEP | 6 | **KPRL3ABA06** | A/B/C | **KPRL3ABA06-1** | A/C | (2) 100 A devices maximum |
| | 12 | **KPRL3ABA12** | A/B/C | **KPRL3ABA12-1** | A/C | |
| | 18 | **KPRL3ABA18** | A/B/C | **KPRL3ABA18-1** | A/C | |
| | 24 | **KPRL3ABA24** | A/B/C | **KPRL3ABA24-1** | A/C | |
| GB, GHB, GHQ, GHBS | 6 | **KPRL3AGB06** | A/B/C | **KPRL3AGB06-1** | A/C | |
| | 12 | **KPRL3AGB12** | A/B/C | **KPRL3AGB12-1** | A/C | |
| | 18 | **KPRL3AGB18** | A/B/C | **KPRL3AGB18-1** | A/C | |
| | 24 | **KPRL3AGB24** | A/B/C | **KPRL3AGB24-1** | A/C | |



KPRL3ABA06



KPRL3AGB06

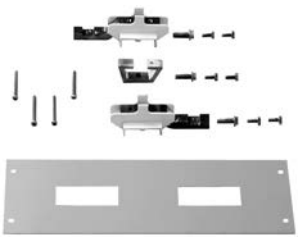
## PRL3a F-Frame horizontally mounted connector kit assemblies

Connector kits contain phase connectors, deadfront cover, hardware, and instructions to mount breakers. Order breakers separately when ordering connector kit.

**Table 27. Connector kit assemblies**

| Devices | Circuits or pole | Three-phase | | Single-phase | | Notes |
|---|---|---|---|---|---|---|
| | | Catalog number | Phase | Catalog number | Phase | |
| EHD, FD, FDB, HFD, FDC (150 A maximum twin mount) | Three-pole breaker | **KPRL3AFD3** | A/B/C | — | — | (2) 150 A devices maximum |
| | Two-pole breaker | **KPRL3AFD2** | A/C | **KPRL3AFD2** | A/C | |
| | Single-pole breaker | **KPRL3AFD1** | A/C | **KPRL3AFD1** | A/C | |
| FD, HFD, FDC, ED, EDH, EDC (175–225 A single mount) ① | Three-pole breaker | **KPRL3AED3** | A/B/C | — | — | (1) 225 A maximum single mounted |
| | Two-pole breaker | **KPRL3AED2** | A/C | **KPRL3AED2** | A/C | |

① F-Frame devices rated above 150 A must be single mounted. No twin mounting acceptable.



KPRL3AFD3

## PRL3a ground assemblies

**Table 28. PRL3a ground assemblies**

| | Standard | Isolated |
|---|---|---|
| **Material** | **Catalog number** | |
| Aluminum/copper | **5158C05G02** | **2C11296G02** |
| Copper only | **5158C05G04** | **2C11296G04** |



5158C05G02

## PRL3a service entrance bonding jumper kits

**Table 29. PRL3a service entrance bonding jumper kits**

| Style number ① | Panel ampere rating | Tin-plated aluminum | Bare copper | Silver-plated copper | Tin-plated copper |
|---|---|---|---|---|---|
| | | Item number | | | |
| **Mechanical main lugs or main breakers** | | | | | |
| **5078A98** | 100 | G01 | G02 | G03 | G04 |
| | 250–600 | G13 | G14 | G15 | G16 |
| **Crimp main lugs** | | | | | |
| **5078A98** | 100 | G05 | G06 | G07 | G08 |
| | 250–600 | G17 | G18 | G19 | G20 |
| **Copper main lugs** | | | | | |
| **5078A98** | 100 | G09 | G10 | G11 | G12 |
| | 250–600 | G21 | G22 | G23 | G24 |

① When ordering, use complete style number (example: 100 A tin-plated aluminum 5078A98G01).




5078A98G01

## PRL3a service entrance main breaker kits

**Table 30. PRL3a service entrance main breaker kits**

| Description | Circuit breaker frame | Catalog number |
|---|---|---|
| Service entrance barrier for LG and KD | LG/KD | **PRLSEBLGKD** |
| Service entrance barrier for JD | JD | **PRLSEBJD** |
| Service entrance barrier for FD | FD | **PRLSEBFD** |
| Service entrance barrier for GHB | GHB | **PRLSEBGHB** |




SE Barrier Kit FD_016

## PRL3a deadfront covers

**Table 31. Assembly ①**

| Style number ② | Chassis height/item number | | | | |
|---|---|---|---|---|---|
| | 14X | 23X | 31X | 40X | 53X |
| **6559C59** | G01 | G02 | G03 | G04 | G05 |

① Assembly groups include the frame only (two rails and two end covers). Reference **page 22** for specific device covers. All connector kits ship with a deadfront cover for that device.

② When ordering, use complete style number (example: 14X high assembly 6559C59G01).



6559C59G01

## PRL3a vertical devices deadfront covers

**Table 32. Vertical mounting position**

| Device/frame | Trip unit type | Style number ① | "X" space required | Item number | |
|---|---|---|---|---|---|
| | | | | Without lock-offs ① | With lock-offs ① |
| EHD, FD, FDB, HFD, FDC, ED, EDH, EDC (top) ② | — | **4176B68** | 7X | H01 | H03 |
| EHD, FD, FDB, HFD, FDC, ED, EDH, EDC (bottom) ② | — | | 7X | H04 | H05 |
| FD, HFD, FDC, ED, EDH (top) ③ | — | **4180B93** | 10X | H01 | H03 |
| FD, HFD, FDC, ED, EDH (bottom) ③ | — | | 10X | H04 | H05 |
| J-Frame (bottom) | — | **4176B60** | 14X | H01 | H02 |
| J-Frame (top) | — | | 14X | H03 | H04 |
| K-Frame (bottom) | Thermal-mag. | **4176B61** | 15X | H01 | H02 |
| K-Frame (bottom) | Electronic | | 15X | H03 | H04 |
| K-Frame (top) | Thermal-mag. | | 15X | H05 | H06 |
| K-Frame (top) | Electronic | | 15X | H07 | H08 |
| L-Frame (bottom) | Thermal-mag. | **4176B51** | 17X | H01 | H02 |
| L-Frame (bottom) | Electronic | | 17X | H03 | H04 |
| L-Frame (top) | Thermal-mag. | | 17X | H05 | H06 |
| L-Frame (top) | Electronic | | 17X | H07 | H08 |
| FB-P (top only) | — | **4176B70** | 9X | H02 | H02 |
| LA-P (top only) | — | **4176B57** | 21X | H01 | H01 |
| FCL | — | **4176B70** | 9X | H01 | H01 |
| LCL (top) | — | **4176B56** | 21X | H01 | H02 |
| LCL (bottom) | — | | 21X | H03 | H04 |
| Neutral/blank cover | — | **4176B72** | 1X | H01 | — |
| | | | 2X | H02 | |
| | | | 3X | H03 | |
| | | | 4X | H04 | |
| | | | 5X | H05 | |
| | | | 6X | H06 | |
| | | | 7X | H07 | |
| | | | 8X | H08 | |
| | | | 9X | H09 | |
| | | | 10X | H10 | |
| | | | 11X | H11 | |
| | | | 12X | H12 | |
| J-Frame sub-feed twin bottom | — | **4176B79** | 20X | H01 | H02 (2 L/O) |
| | | | | | H03 (1 L/O RT) |
| | | | | | H04 (1 L/O LT) |
| J-Frame sub-feed twin top | — | **4176B79** | 20X | H05 | H05 (2 L/O) |
| | | | | | H07 (1 L/O RT) |
| | | | | | H08 (1 L/O LT) |
| PT363 (top) | — | **4180B79** | 7X | H01 | — |
| PT363 (bottom) | — | | 7X | H02 | |
| PT364 (top) | — | | 9X | H03 | |
| PT364 (bottom) | — | | 9X | H04 | |

① When ordering covers, order complete style and item numbers (example: 4176B68H01).

② 4/0 maximum acceptable terminal size.

③ 300 kcmil maximum acceptable terminal size.



J main 4176B60H04



Neutral blank cover 4176B72H04

## PRL3a horizontal devices deadfront covers

**Table 33. Horizontal mounting position**

| Device/frame | Device poles | Style number ① | Total circuit quantity | "X" space required | Item number |
|---|---|---|---|---|---|
| EHD, FD, FDB, HFD, FDC (twin mounted) | 1, 2 or 3 | **4178B08** | 6 | 3X | H01 |
| | | | 12 | 6X | H02 |
| | | | 18 | 9X | H03 |
| | | | 24 | 12X | H04 |
| | | | 30 | 15X | H05 |
| | | | 36 | 18X | H06 |
| | | | 42 | 21X | H07 |
| | | | 48 | 24X | H08 |
| EHD, FD, FDB, HFD, FDC (twin mounted) | 1 or 2 | **4179B39** | 4 | 2X | H01 |
| | | | 8 | 4X | H02 |
| | | | 12 | 6X | H03 |
| | | | 16 | 8X | H04 |
| | | | 20 | 10X | H05 |
| | | | 24 | 12X | H06 |
| | | | 28 | 14X | H07 |
| | | | 32 | 16X | H08 |
| EHD, FD, FDB, HFD, FDC (twin mounted) | 1 | **4179B40** | 2 | 1X | H01 |
| FD, HFD, FDC, ED, EDH, EDC (single mounted) | 3 | **4179B41** | 3 | 3X | H01 |
| FD, HFD, FDC, ED, EDH, EDC (single mounted) | 2 | **4179B42** | 2 | 2X | H01 |
| CA, CAH, HCA | 3 | **4176B66** | 3 | 3X | H01 |
| CA, CAH, HCA | 2 | **4176B80** | 2 | 2X | H01 |
| BA, BAB, BABRP, BABRSP QBH, QBGF, QBGFEP, QBHGFEP | 1, 2 or 3 | **4176B67** | 6 | 3X | H01 |
| | | | 12 | 5X | H02 |
| | | | 18 | 8X | H03 |
| | | | 24 | 10X | H04 |
| GB, GHB, GHBS, GHBGFEP, HGHB, GHQ | 1, 2 or 3 | **4176B69** | 6 | 3X | H01 |
| | | | 12 | 5X | H02 |
| | | | 18 | 8X | H03 |
| | | | 24 | 10X | H04 |
| Pow-R-Command Controller | — | **4180B91** | — | 5X | H01 |
| Pow-R-Command Expansion | — | **4180B91** | — | 7X | H02 |
| | | | | 16X | H03 |

① When ordering covers, order complete style and item number (example: 4178B08H01).

## PRL3a deadfront cover blank fillers

**Table 34. PRL3a deadfront cover blank fillers**

| Device/frame | Poles | Style number |
|---|---|---|
| F-Frame | 1, 2 or 3 | **4178B06H01** |
| C-Frame | 2 | **6555C40H01** |
| C-Frame | 3 | **6555C41H01** |
| QUICKLAG, GB, GHB, GHBS | 1, 2 or 3 | **5155C62H01** |



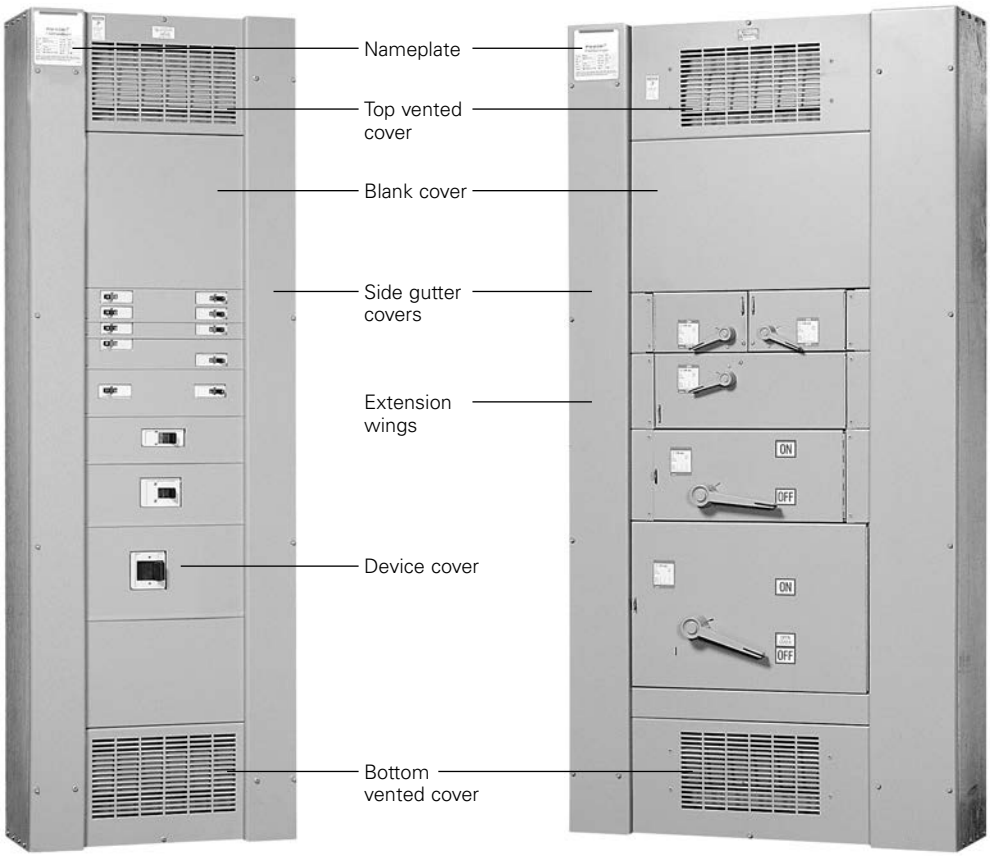
BAB Cover 4176B67H01

## PRL4 parts section

**Description** **Page**

Vented cover assemblies. . . . . 23
Blank covers . . . . . 24
Breaker connector kits . . . . . 24
Fusible connector kits . . . . . 25
Breaker and fusible switch retrofit kits . . . . . 26–27
PRL1a, 2a, 3a EZ trims and enclosures . . . . . 27
PRL4 special trims and enclosures . . . . . 29
Type 12/3R enclosures . . . . . 30

## PRL4 vented cover assemblies




PRL4B PRL4F

**Table 35. Vented cover assemblies and side gutter covers—dimensions in inches (mm)**

| NEMA 1 box | | | | | Side gutter covers | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Left | | Right | |
| Height | Width | Depth ① | Catalog number | Vented cover assembly ② style number | Size | Style number | Size | Style number |
| 57.00 (1447.8) | 24.00 (609.6) | 10.40 (264.2) | **BX2457** | **6574C74G02** | 5.00 (127.0) x 57.00 (1447.8) | **6555C20H01** | 5.00 (127.0) x 57.00 (1447.8) | **6555C20H01** |
| 73.00 (1854.2) | 24.00 (609.6) | | **BX2473** | **6574C74G03** | 5.00 (127.0) x 73.00 (1854.2) | **6555C21H01** | 5.00 (127.0) x 73.00 (1854.2) | **6555C21H01** |
| 90.00 (2286.0) | 24.00 (609.6) | | **BX2490** | **6574C74G04** | 5.00 (127.0) x 90.00 (2286.0) | **6555C25H01** | 5.00 (127.0) x 90.00 (2286.0) | **6555C25H01** |
| 73.00 (1854.2) | 36.00 (914.4) | | **BX3673** | **6574C74G05** | 6.00 (152.4) x 73.00 (1854.2) | **6555C22H01** | 8.00 (203.2) x 73.00 (1854.2) | **6555C23H01** |
| 90.00 (2286.0) | 36.00 (914.4) | | **BX3690** | **6574C74G06** | 6.00 (152.4) x 90.00 (2286.0) | **6555C26H01** | 8.00 (203.2) x 90.00 (2286.0) | **6555C27H01** |
| 73.00 (1854.2) | 44.00 (1117.6) | | **BX4473** | **6574C74G05** | 8.00 (203.2) x 73.00 (1854.2) | **6555C23H01** | 14.00 (355.6) x 73.00 (1854.2) | **6555C24H01** |
| 90.00 (2286.0) | 44.00 (1117.6) | | **BX4490** | **6574C74G06** | 8.00 (203.2) x 90.00 (2286.0) | **6555C27H01** | 14.00 (355.6) x 90.00 (2286.0) | **6555C28H01** |

① Covers add 0.90 inches (22.9 mm) to box depth for overall enclosure depth of 11.30 inches (287.0 mm).

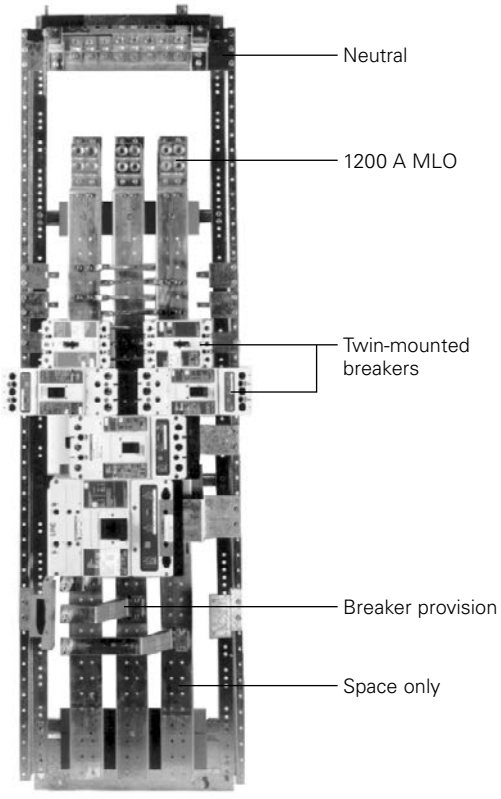
② Cover assembly consists of two side rails, top and bottom vented covers. **Important:** Order individual device covers and blanks separately.

## PRL4 blank covers

Used to cover blank space on chassis. All PRL4 cover heights are measured in "X" units. 1X equals 1.38 inches (35.1 mm).

**Table 36. PRL4 blank covers**

| Cover size | Style number | |
|---|---|---|
| | 24.00-inch (609.6 mm) width box | 36.00, 44.00-inch (914.4, 1117.6 mm) width box |
| 1X | **6554C01H01** | **6554C02H01** |
| 2X | **6554C01H02** | **6554C02H02** |
| 3X | **6554C01H03** | **6554C02H03** |
| 4X | **6554C01H13** | **6554C02H13** |
| 5X | **6554C01H14** | **6554C02H14** |
| 6X | **6554C01H04** | **6554C02H04** |
| 7X | **6554C01H05** | **6554C02H05** |
| 9X | **6554C01H06** | **6554C02H06** |
| 10X | **6554C01H07** | **6554C02H07** |
| 11X | **6554C01H08** | **6554C02H08** |
| 12X | **6554C01H09** | **6554C02H09** |
| 13X | **6554C01H10** | **6554C02H10** |
| 15X | **6554C01H11** | **6554C02H11** |
| 20X | **6554C01H12** | **6554C02H12** |




PRL4B Interior

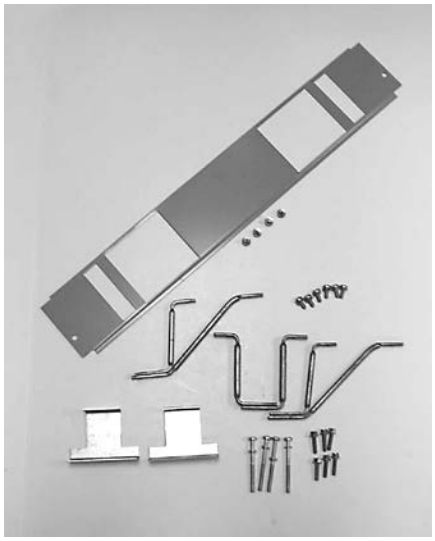
## PRL4 breaker connector kits

### Breaker connector kits

Each kit includes copper connectors, mounting brackets, covers, hardware, and instructions for mounting breaker(s) in a PRL4. **Breakers are not included.** Contact your local satellite plant for availability and application information (see **page 3**).

### Connector kit

Each kit includes copper connectors mounting brackets, cover, hardware, and instructions.



Connector kit

**Table 37. Breaker connector kits**

| Breaker frame | Space required | | Poles | Mounting type | Connector kit catalog number |
|---|---|---|---|---|---|
| | Inches (mm) | "X" | | | |
| EHD, FD, HFD | 2.75 (69.9) | 2X | 1 ① | Twin | **KPRL4FD1** |
| EHD, FD, FDB, HFD, FDC | | | 2 | Twin | **KPRL4FD2** |
| ED, EDH, EDC | | | 2 | Twin | **KPRL4ED2** |
| EHD, FD, FDB, HFD, FDC | 4.13 (104.9) | 3X | 3 | Twin | **KPRL4FD** |
| FCL, FB-P, FD/LFD | | | 3 | Twin | **KPRL4FBP** |
| ED, EDH, EDC | | | 3 | Twin | **KPRL4ED** |
| JD, JDB, HJD, JDC | | | 2, 3 | Single | **KPRL4JDS** |
| JD, JDB, HJD, JDC | | | 2, 3 | Twin | **KPRL4JDT** ② |
| DK, KD, KDB, HKD, KDC | 5.50 (139.7) | 4X | 2, 3 | Single | **KPRL4KDS** |
| DK, KD, KDB, HKD, KDC | | | 2, 3 | Twin | **KPRL4KDT** ③ |
| CKD, CHKD | | | 2, 3 | Single | **KPRL4CKD** ④ |
| LCL | 8.25 (209.5) | 6X | 2, 3 | Single | **KPRL4LCL** ② |
| LA-P | | | 2, 3 | Single | **KPRL4LAP** ② |
| LD, LDB, HLD, LDC, CLD, LC | | | 2, 3 | Single | **KPRL4LD** ② |
| MDL, HMDL | | | 2, 3 | Single | **KPRL4MC** ② |
| NB-P | | | 2, 3 | Single | **KPRL4NBP** ③ |
| CND, CHND | | | 3 | Single | **KPRL4CND** ③④ |
| ND, HND | | | 2, 3 | Single | **KPRL4ND** ② |

① Two sets of twin-mounted single-pole breakers.

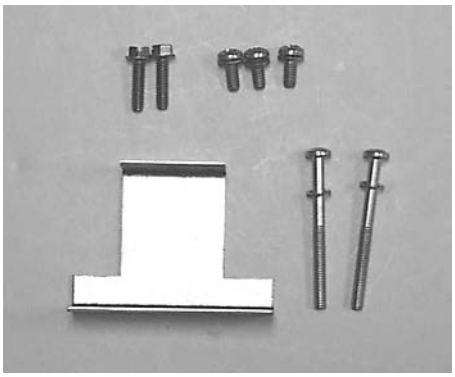
② 36.00-inch (914.4 mm) minimum box width required.

③ 44.00-inch (1117.6 mm) box width required.

④ Requires density rated bus in existing panel chassis.

### Hardware kit

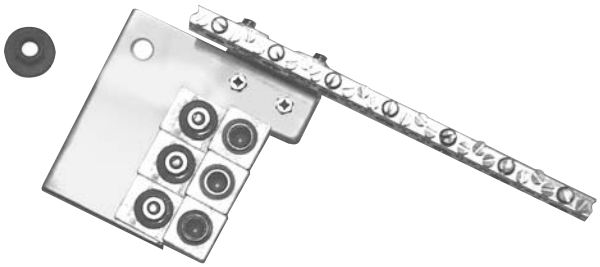
Each kit includes mounting bracket(s) and mounting hardware only. Use the appropriate connector kit catalog number and add an "H" to designate hardware only (example: KPRL4FD-H).



Hardware kit

### Standard ground bus

Copper bus with (3) 6–300 kcmil lugs plus a 24-circuit terminal bar with #14–1/0 wire range.



6572C746G01

## PRL4 fusible connector kits

### Fusible switch connector kits

Each kit includes copper connectors, extension wings (when required), hardware, and instructions to mount a fusible switch. Switches are not included. Contact your local satellite plant for availability and application information (see **page 3**).

**Table 38. Fusible switch connector kits**

| Switch height | | | Three-pole switch | | |
|---|---|---|---|---|---|
| | | | 240 V | 600 V | |
| Inches (mm) | "X" space required | Switch ampere rating | Catalog number | | Connector kit |
| 5.50 (139.7) | 4X | 30–30 | **FDPWT3211R** | **FDPWT3611R** | — |
| | | 60–60 | **FDPWT3222R** | **FDPWT3622R** | **KPRL44X** ① |
| | | 100–100 | **FDPWT3233R** | — | — |
| 6.88 (174.8) | 5X | 100–100 | — | **FDPWT3633R** | **KPRL45X1** |
| 8.25 (209.6) | 6X | 200 | **FDPBS324R** | **FDPBS364R** | **KPRL4B6XS** |
| | | 200–200 | **FDPBT3244R** | **FDPBT3644R** | **KPRL4B6XT** ② |
| 12.38 (314.5) | 9X | 400 | **FDPW325R** | **FDPW365R** | **KPRL4W9X** |
| 15.13 (384.3) | 11X | 600 | **FDPW326R** | **FDPW366R** | **KPRL4W11X** |
| | | 800 | **FDPW327** | **FDPW367** | **KPRL4W11X** ② |
| 20.63 (524.0) | 15X | 1200 | **FDPW328** | **FDPW368** | **KPRL4W15X** ② |

① These connector kits will fit the FDP and FDPW switches.

② 44.00-inch (1117.6 mm) box width required for both R and J fuse applications.

## PRL4 breaker and fusible switch retrofit kits

### Breaker retrofit kits

Each kit includes one breaker, copper connectors, covers, hardware, and instructions to mount in a PRL4.

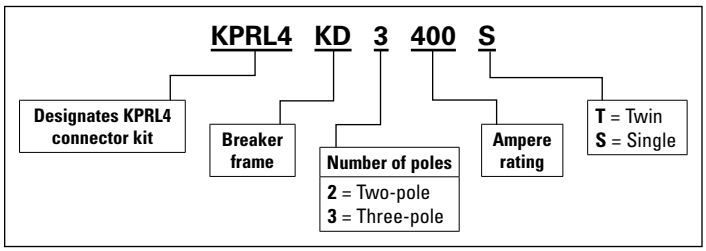
**Table 39. Breaker retrofit kits**

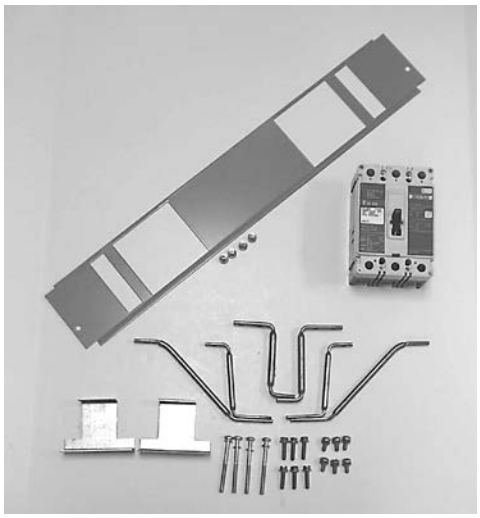
| Breaker frame | Frame ampere rating | Trip range | Mounting type |
|---|---|---|---|
| EHD | 100 | 15–100 | Twin |
| FDB | | 15–100 | Twin |
| FD | | 15–100 | Twin |
| HFD | | 15–100 | Twin |
| FDC | | 15–100 | Twin |
| FCL | | 15–100 | Twin |
| FB-P | | 15–100 | Twin |
| FDB | 150 | 110–150 | Twin |
| FD | 225 | 110–225 | Twin |
| HFD | | 110–225 | Twin |
| FDC | | 110–225 | Twin |
| ED | | 100–225 | Twin |
| EDH | | 100–225 | Twin |
| EDC | | 100–225 | Twin |
| JD | 250 | 70–250 | Twin/single |
| HJD | | 70–250 | Twin/single |
| JDC | | 70–250 | Twin/single |
| DK | 400 | 100–400 | Twin/single |
| KD | | 100–400 | Twin/single |
| HKD | | 100–400 | Twin/single |
| KDC | | 100–400 | Twin/single |
| CKD | | 100–400 | Single |
| LCL | | 125–400 | Single |
| LA-P | | 70–400 | Single |
| LD | 600 | 300–600 | Single |
| CLD | | 300–600 | Single |
| HLD | | 300–600 | Single |
| CHLD | | 300–600 | Single |
| LDC | | 300–600 | Single |
| CLDC | | 300–600 | Single |
| MDL | 800 | 300–800 | Single |
| CMDL | | 300–800 | Single |
| HMDL | | 300–800 | Single |
| CHMDL | | 300–800 | Single |
| ND | 1200 | 600–1200 | Single |
| CND | | 600–1200 | Single |
| HND | | 600–1200 | Single |
| CHND | | 600–1200 | Single |
| NDC | | 600–1200 | Single |
| CNDC | | 600–1200 | Single |

### How to order a breaker retrofit kit by catalog number

Use "KPRL4" prefix and add catalog number of breaker as shown below. Use suffix "T" or "S" to denote twin or single mounting. Twin-mounting indicates that one set of connectors is required to mount two breakers (of similar frames) opposite one another. Retrofit kit includes one breaker only, for either single or twin-mounted applications.

**Table 40. Catalog numbering system—breaker retrofit kit**



Breaker retrofit kit

### Fusible retrofit kits

Each kit includes a three-pole switch, copper connectors, extension wings (if required), hardware, and instructions to horizontally mount in a PRL4.

**Table 41. Fusible retrofit kits**

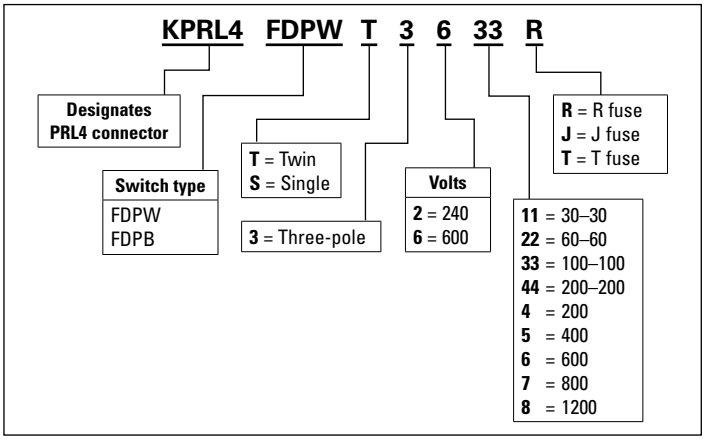
| Switch ampere rating | Switch type | Mounting type |
|---|---|---|
| 30–30 | FDPW | Twin |
| 60–60 | FDPW | Twin |
| 100–100 | FDPW | Twin |
| 100 | FDPW | Single |
| 200 | FDPB | Single |
| 200–200 | FDPB | Twin |
| 400 | FDPW | Single |
| 600 | FDPW | Single |
| 800 | FDPW | Single |
| 1200 | FDPW | Single |

### How to order a fusible retrofit kit by catalog number

Use "KPRL4" prefix and add catalog number of appropriate switch (refer to **page 26** for three-pole switch catalog number).

**Example:** The retrofit kit catalog number for a 600 V, 100 A twin FDPW switch is:

**Table 42. Catalog numbering system—fusible retrofit kit**




## PRL1a, 2a, 3a EZ trims and enclosures

### EZ trim

PRL1a, 2a, and PRL3a EZ trim and EZ box meet code requirements for both Type 1 standards. Features include a door-in-door standard with no exposed hardware and laser-cut trim with rounded corners. For EZ boxes and EZ trims, refer to **page 28.**

**Example: EZT2048** and **EZB2048**.



EZ trim

**Table 43. EZ trim**

| | Box | | | | Trim | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Unpainted | | Painted | | Unvented surface mounted | | Unvented flush mounted | | Vented surface mounted | | Vented flush mounted | |
| Encl. height | Catalog number | Style number | Catalog number | Style number | Catalog number | Style number | Catalog number | Style number | Catalog number | Style number | Catalog number | Style number |
| 24 | **EZB2024R** | 42C1999G01 | **EZBP2024R** | 42C1999G13 | **EZT2024S** | 42C4255G01 | **EZT2024F** | 42C4258G01 | **EZTV2024S** | 42C4261G01 | **EZTV2024F** | 42C4264G01 |
| 30 | **EZB2030R** | 42C1999G02 | **EZBP2030R** | 42C1999G14 | **EZT2030S** | 42C4255G02 | **EZT2030F** | 42C4258G02 | **EZTV2030S** | 42C4261G02 | **EZTV2030F** | 42C4264G02 |
| 36 | **EZB2036R** | 42C1999G03 | **EZBP2036R** | 42C1999G15 | **EZT2036S** | 42C4255G03 | **EZT2036F** | 42C4258G03 | **EZTV2036S** | 42C4261G03 | **EZTV2036F** | 42C4264G03 |
| 42 | **EZB2042R** | 42C1999G04 | **EZBP2042R** | 42C1999G16 | **EZT2042S** | 42C4255G04 | **EZT2042F** | 42C4258G04 | **EZTV2042S** | 42C4261G04 | **EZTV2042F** | 42C4264G04 |
| 48 | **EZB2048R** | 42C1999G05 | **EZBP2048R** | 42C1999G17 | **EZT2048S** | 42C4255G05 | **EZT2048F** | 42C4258G05 | **EZTV2048S** | 42C4261G05 | **EZTV2048F** | 42C4264G05 |
| 54 | **EZB2054R** | 42C1999G06 | **EZBP2054R** | 42C1999G18 | **EZT2054S** | 42C4255G06 | **EZT2054F** | 42C4258G06 | **EZTV2054S** | 42C4261G06 | **EZTV2054F** | 42C4264G06 |
| 60 | **EZB2060R** | 42C1999G07 | **EZBP2060R** | 42C1999G19 | **EZT2060S** | 42C4255G07 | **EZT2060F** | 42C4258G07 | **EZTV2060S** | 42C4261G07 | **EZTV2060F** | 42C4264G07 |
| 72 | **EZB2072R** | 42C1999G09 | **EZBP2072R** | 42C1999G21 | **EZT2072S** | 42C4255G09 | **EZT2072F** | 42C4258G09 | **EZTV2072S** | 42C4261G09 | **EZTV2072F** | 42C4264G09 |
| 90 | **EZB2090R** | 42C1999G12 | **EZBP2090R** | 42C1999G24 | **EZT2090S** | 42C4255G12 | **EZT2090F** | 42C4258G12 | **EZTV2090S** | 42C4261G12 | **EZTV2090F** | 42C4264G12 |

## PRL1a, 2a, 3a special trims and enclosures

### Fastrim

Used when concealed trim-mounting hardware is required for PRL1a, 2a, and PRL3a. Trim clamps are included and shipped with the trim. Order by adding the letter "F" to the standard trim catalog number. Add 20% to standard trim list price.

**Example:** LT2072S becomes **LTF2072S**.

For trim clamps only, refer to **page 18**.



Fastrim

### Door-in-door

Piano hinge on the right side of the trim provides access to the wiring gutters without requiring removal of the trim. Order by adding the letters "DD" to the standard trim catalog number. Add 20% to standard trim list price.

**Example:** LT2072S becomes **LTDD2072S**.



Door-in-door

### Ventilated trim

Required on 600 A and above panels only. Order by adding the letter "V" to the standard trim catalog number. Add 10% to standard trim list price.

**Example:** LT2072S becomes **LTV2072S**.



Ventilated trim

### Type 12/3R enclosures

The complete enclosure consists of a box and trim. The enclosure meets code requirements for both Type 12 (dust-tight) and Type 3R (rainproof) standards. Features include a laser-cut trim with rounded corners, concealed hinges, and a T-handle lock. Gasketing is provided around the trim door.

The box is gasketed and made from code gauge steel with dripshield and is painted ANSI-61.

**Table 44. Type 12/3R enclosures for PRL1a, 2a, 3a**

| Box dimensions in inches (mm) | | | Catalog number | |
|---|---|---|---|---|
| **Height** | **Width** | **Depth** | **Box** | **Trim** |
| 24.00 (609.6) | 20.00 (508.0) | 6.00 (152.4) | **VWPB2024** | **LWPT2024** |
| 36.00 (914.4) | 20.00 (508.0) | 6.00 (152.4) | **VWPB2036** | **LWPT2036** |
| 48.00 (1219.2) | 20.00 (508.0) | 6.00 (152.4) | **VWPB2048** | **LWPT2048** |
| 60.00 (1524.0) | 20.00 (508.0) | 6.00 (152.4) | **VWPB2060** | **LWPT2060** |
| 72.00 (1828.8) | 20.00 (508.0) | 6.00 (152.4) | **VWPB2072** | **LWPT2072** |
| 90.00 (2286.0) | 20.00 (508.0) | 6.00 (152.4) | **VWPB2090** | **LWPT2090** |



Type 12/3R enclosures

## PRL4 special trims and enclosures

### Door-in-door trim



Door-in-door trim

A piano hinge on the right side of the trim provides access to the wiring gutter without requiring the removal of the trim. When used with a standard PRL4 box, a special mounting channel must be used to add extra depth to the enclosure.

An extra depth box, not requiring a mounting channel, is another available option. Contact your local satellite for ordering information.

**Table 45. Special trims and enclosures**

| Standard box catalog number | Mounting channel style number | Door-in-door trim catalog number | |
|---|---|---|---|
| | | **Surface** | **Flush** |
| **BX2457** | **8708C82G02** | **LDD2457STW** | **LDD2457FTW** |
| **BX2473** | **8708C82G03** | **LDD2473STW** | **LDD2473FTW** |
| **BX2490** | **8708C82G04** | **LDD2490STW** | **LDD2490FTW** |
| **BX3673** | **8708C82G05** | **LDD3673STW** | **LDD3673FTW** |
| **BX3690** | **8708C82G06** | **LDD3690STW** | **LDD3690FTW** |
| **BX4473** | **8708C82G07** | **LDD4473STW** | **LDD4473FTW** |
| **BX4490** | **8708C82G08** | **LDD4490STW** | **LDD4490FTW** |

## Type 12/3R enclosures



Type 12, 24.00 inches (609.6 mm) wide



Type 3R, 36.00 inches (914.4 mm) wide

PRL4 enclosures are available in both Type 12 (dust-tight) and Type 3R (rainproof) designs. The 24.00-inch (609.6 mm) wide enclosure includes a single hinged door while the 36.00-inch (914.4 mm) wide is provided with double hinged doors.

The side gutter covers are an integral part of the box in all styles. Sizes and catalog numbers are shown in **Table 46**.

**Table 46. Type 12/3R enclosures**

| Enclosure dimensions in inches (mm) | | | Catalog number | |
|---|---|---|---|---|
| **Height** | **Width** | **Depth** | **Type 3R** | **Type 12** |
| 57.00 (1447.8) | 24.00 (609.6) | 13.90 (353.1) | **RPC2457** | **DPC2457** |
| 73.00 (1854.2) | 24.00 (609.6) | 13.90 (353.1) | **RPC2473** | **DPC2473** |
| 90.00 (2286.0) | 24.00 (609.6) | 13.90 (353.1) | **RPC2490** | **DPC2490** |
| 73.00 (1854.2) | 36.00 (914.4) | 13.90 (353.1) | **RPC3673** | **DPC3673** |
| 90.00 (2286.0) | 36.00 (914.4) | 13.90 (353.1) | **RPC3690** | **DPC3690** |

## Ordering procedure

**Step 1**

Select the correct part or branch device. When selecting, you need to know the following:

- Panelboard type
- Amperage
- System voltage
- Available short-circuit rating
- Number of poles available
- Size and number of wires per phase
- "X" space required

**Step 2**

Refer to the 5P panelboard layout on **page 31** to verify the amount of "X" space available.

**Step 3**

Create a 5P breaker unit catalog number, by following the instructions on **page 32**, or order the catalog number for parts on **page 33** and **page 34**.

**Step 4**

Determine if extra filler covers are required. Additional filler covers may be necessary to fill the unused space. Refer to **page 34** for filler plate information.

## PRL5P parts section

**Description** **Page**

Chassis layout . . . . . 31
Breake assemblies catalot numbers . . . . . 32
Branch devices . . . . . 32–33
Main or through-feed lugs . . . . . 33
Neutrals and grounds . . . . . 34
Box, trim, and deadfront filler plates . . . . . 34

## PRL5P chassis layout

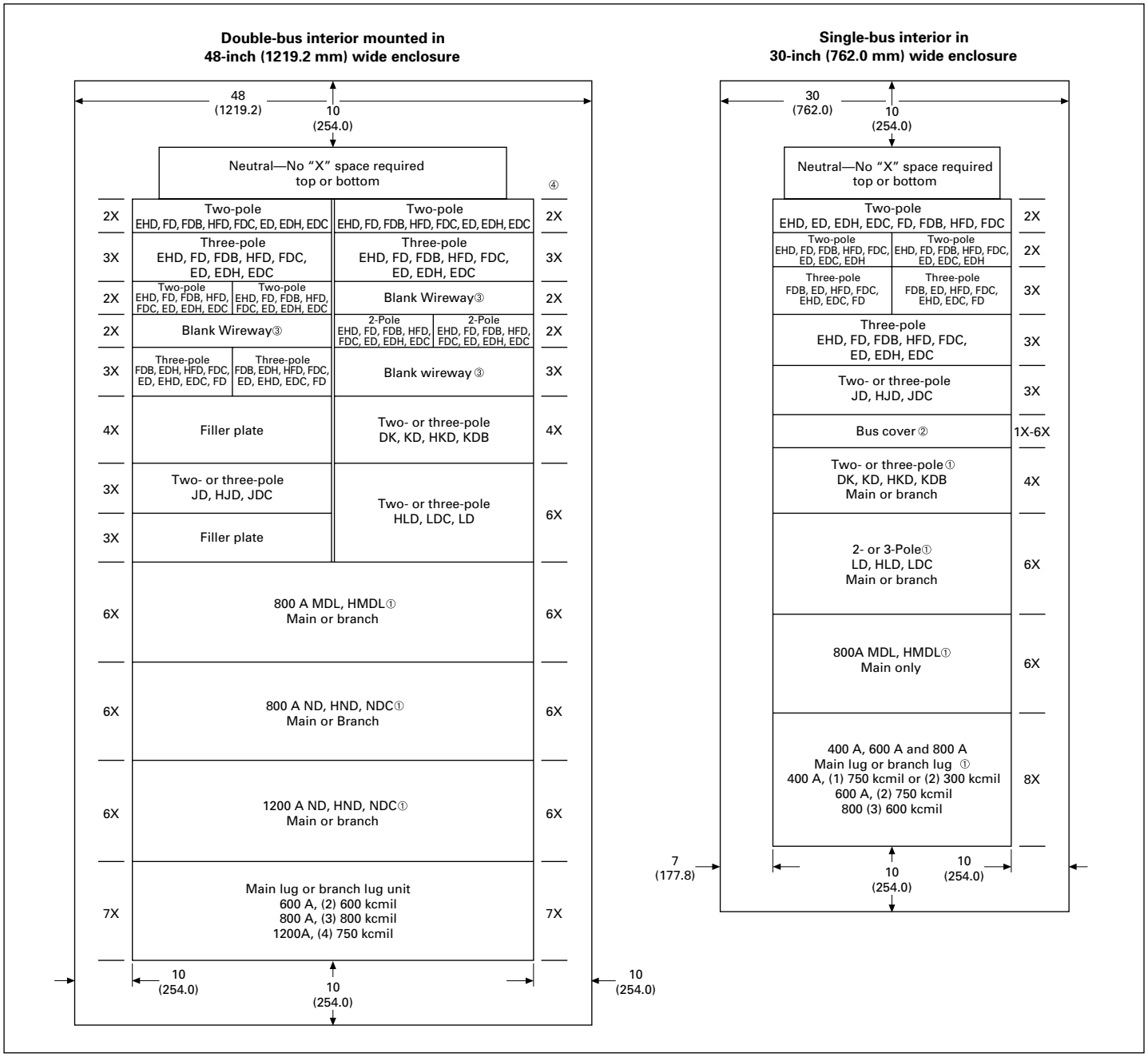



**Figure 3. PRL5P chassis layout—dimensions in inches (mm)**

① If used as a main device, must be mounted at the neutral end of panel.

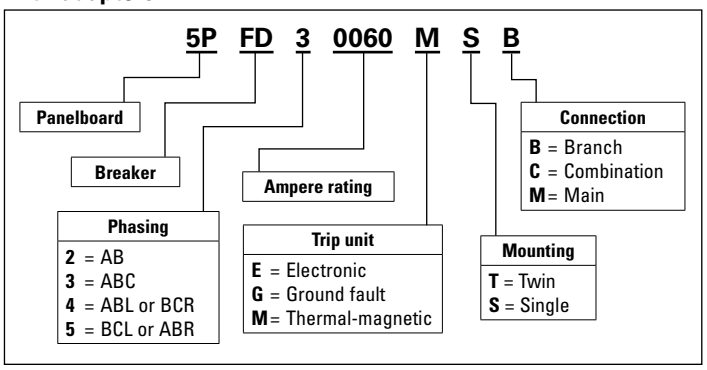
② Fixed bus covers are required for unused spaces if NEC® six-circuit disconnect rule is to be met.

③ Blank wireway fillers are required opposite any dual breaker unit.

④ One "X" = 1.38 inches (35.1 mm).

## PRL5P breaker assemblies catalog numbers

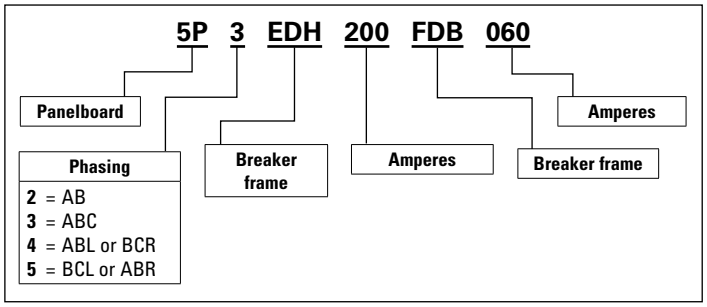
**Table 47. Catalog numbering system—5P single or twin breakers with adapters**




A plug-on unit is a complete assembly with a circuit breaker and mounting adapter to mount on a 5P panelboard.

Single indicates units that may be mounted in a single or double bus panel, and twin indicates double bus panels only. See **Table 50** and **Table 51**.

**Table 48. Catalog numbering system—5P dual breakers with adapters**




Any two F-Frame breakers listed may be mounted on the same 2X or 3X dual breaker adapter.

Dual breaker adapters may be used in single or double bus panels. Dual breaker adapters can **NOT** be mounted across from another adapter in a double bus panel. See **Table 52**.

## Branch devices

Single-pole breakers in single adapter units. Include two or three single-pole 15–60 A assembled on one unit. (One X = 1.38 inches [35.1 mm])

**Table 49. Single-pole breakers in single adapter units**

| Breaker type | Ampere rating | Interrupting rating (kA sym.) | | | | "X" space required |
|---|---|---|---|---|---|---|
| | | 120 Vac | 240 Vac | 277 Vac | 125 Vdc | |
| EHD | 15–60 | — | — | 14 | 10 | 2X |
| FD | 15–60 | — | — | 25 | 10 | 2X |
| HFD | 15–60 | — | — | 65 | 10 | 2X |
| EHD | 15–60 | — | — | 14 | 10 | 3X |
| FD | 15–60 | — | — | 25 | 10 | 3X |
| HFD | 15–60 | — | — | 65 | 10 | 3X |

**Table 50. Two- and three-pole breakers in single adapter units**

| Breaker type | Ampere rating | Interrupting rating (kA sym.) | | | | "X" space required |
|---|---|---|---|---|---|---|
| | | 240 Vac | 480 Vac | 600 Vac | 250 Vdc | |
| ED | 100–225 | 65 | — | — | — | 3X |
| EDH | 100–225 | 100 | — | — | — | 3X |
| EDC | 100–225 | 200 | — | — | — | 3X |
| EHD | 15–60 | 18 | 14 | — | 10 | 3X |
| EHD | 70–100 | 18 | 14 | — | 10 | 3X |
| FD | 15–60 | 65 | 25 | 18 | 10 | 3X |
| FD | 70–100 | 65 | 25 | 18 | 10 | 3X |
| FD | 110–225 | 65 | 25 | 18 | 10 | 3X |
| HFD | 15–60 | 100 | 65 | 25 | 22 | 3X |
| HFD | 70–100 | 100 | 65 | 25 | 22 | 3X |
| HFD | 110–225 | 100 | 65 | 25 | 22 | 3X |
| FDC | 15–60 | 200 | 100 | 35 | 22 | 3X |
| FDC | 70–100 | 200 | 100 | 35 | 22 | 3X |
| FDC | 110–225 | 200 | 100 | 35 | 22 | 3X |
| JD, JDB | 70–225 | 65 | 35 | 18 | 10 | 3X |
| JD, JDB | 70–225 | 65 | 35 | 18 | 10 | 3X |
| HJD | 250 | 100 | 65 | 25 | 22 | 3X |
| HJD | 70–225 | 100 | 65 | 25 | 22 | 3X |
| JDC | 250 | 200 | 100 | 35 | 22 | 3X |
| JDC | 70–225 | 200 | 100 | 35 | 22 | 3X |
| DK | 100–400 | 65 | — | — | — | 4X |
| KD, KDB | 250–400 | 65 | 35 | 25 | 10 | 4X |
| HKD | 250–400 | 100 | 65 | 35 | 22 | 4X |
| KDC | 250–400 | 200 | 100 | 50 | 22 | 4X |
| LD, LDB | 300–600 | 65 | 35 | 25 | 22 | 6X |
| HLD ①② | 300–600 | 100 | 65 | 35 | 25 | 6X |
| LDC | 300–600 | 200 | 100 | 50 | 25 | 6X |
| MDL ①② | 400–800 | 65 | 50 | 25 | 22 | 6X |
| HMDL ①② | 400–800 | 100 | 65 | 35 | 25 | 6X |
| ND | 400–1200 | 65 | 50 | 25 | — | 6X |
| HND ①② | 400–1200 | 100 | 65 | 35 | — | 6X |
| NDC | 400–1200 | 200 | 100 | 50 | — | 6X |

① For use only in double bus chassis panelboards.

② 100% rated breakers are NOT available in 5P panelboards.

Dual breaker adapters—Any two breakers listed in **Table 52** may be mounted on the same 2X or 3X dual breaker adapter.

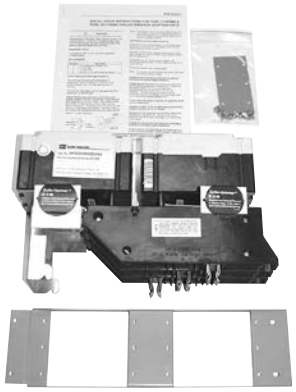
Dual breaker adapters may be used in single or double bus chassis. Dual breaker adapters can **NOT** be mounted across from another in a double bus chassis. (One X = 1.38 inches [35.1 mm]).

**Table 51. Dual breaker adapters**

| Breaker type | Ampere rating | Interrupting rating (kA sym.) | | | | "X" space required |
|---|---|---|---|---|---|---|
| | | 240 Vac | 480 Vac | 600 Vac | 250 Vdc | |
| ED | 100–225 | 65 | — | — | — | 3X |
| EDH | 100–225 | 100 | — | — | — | 3X |
| EDC | 100–225 | 200 | — | — | — | 3X |
| EHD | 15–60 | 18 | 14 | — | 10 | 3X |
| EHD | 70–100 | 18 | 14 | — | 10 | 3X |
| FD | 15–60 | 65 | 25 | 18 | 10 | 3X |
| FD | 70–100 | 65 | 25 | 18 | 10 | 3X |
| FD | 110–225 | 65 | 25 | 18 | 10 | 3X |
| HFD | 15–60 | 100 | 65 | 25 | 22 | 3X |
| HFD | 70–100 | 100 | 65 | 25 | 22 | 3X |
| HFD | 110–225 | 100 | 65 | 25 | 22 | 3X |
| FDC | 15–60 | 200 | 100 | 35 | 22 | 3X |
| FDC | 70–100 | 200 | 100 | 35 | 22 | 3X |
| FDC | 110–225 | 200 | 100 | 35 | 22 | 3X |



5PFD30060MSB



5P3EDH200FDB060

## PRL5P main or through-feed lugs

**Table 52. PRL5P main or through-feed lugs**

| Description | Ampere rating | Wire size range | "X" space required | Catalog number |
|---|---|---|---|---|
| **Single bus chassis mounting** | | | | |
| Ampere lug unit | 400 | (1) 1/0–500 or (2) 1/0–250 kcmil | 8X | **5PLUG3400SC** |
| Ampere lug unit | 600 | (2) 1/0–500 kcmil | 8X | **5PLUG3600SC** |
| Ampere lug unit | 800 | (2) #2–500 or (3) #2–400 kcmil | 8X | **5PLUG3800SC** |
| **Double bus chassis mounting** | | | | |
| 1200 A lug unit | 600–1200 | (4) #4–750 kcmil | 7X | **5PLUG31200TC** |



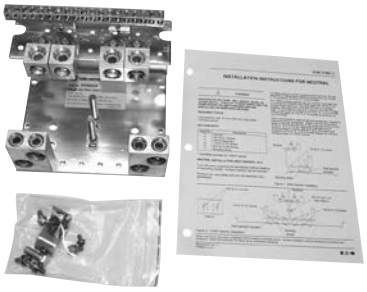
5PLUG3800SC



5PLUG31200TC

## PRL5P neutrals and grounds

### Neutral assembly



5PN800A

**Table 53. Neutral assemblies with lugs**

| Incoming number of cables and wire size | Catalog number |
|---|---|
| (4) 250–500 kcmil 800 A aluminum/copper | **5PN800A** |
| (4) 250–500 kcmil 800 A copper | **5PN800C** |
| (4) 250–500 kcmil 1200 A aluminum/copper | **5PN1200A** |
| (4) 250–500 kcmil 1200 A copper | **5PN1200C** |

**Table 54. Additional lugs for neutral assemblies**

| Description | Catalog number |
|---|---|
| (1) 1/0–750 kcmil or (2) 1/0–300 kcmil aluminum/copper | **5PNL400** |
| (2) 250–500 kcmil aluminum/copper | **5PNL600** |
| (3) 3/0–750 kcmil aluminum/copper | **5PNL800** |
| (4) 3/0–750 kcmil aluminum/copper | **5PNL1200** |
| **Ground bar type** | |
| 1200 A aluminum/copper | **5PG1200A** |
| 1200 A copper | **5PG1200C** |

### Ground bar assemblies



5PG1200A

**Table 55. Grounded "B" phase adapter kits**

| Ampere rating | Main device | Catalog number |
|---|---|---|
| **Single bus chassis** | | |
| 400 | Main lugs | **5PCGBLUG400S** |
| 600 | Main lugs | **5PCGBLUG600S** |
| 600 | LD breaker | **5PCGBLD600S** |
| 800 | Main lugs | **5PCGBLUG800S** |
| **Double bus chassis** | | |
| 800 | MD breaker | **5PCGBMD800T** |
| 1200 | Main lugs | **5PCGBLUG1200T** |
| 1200 | ND breaker | **5PCGBND1200T** |

## PRL5P box, trim, and deadfront filler plates

**Table 56. PRL5P box, trim, and deadfront filler plates**

| Chassis "X" factor | Catalog number | | |
|---|---|---|---|
| | Back box | Trim | Trim door kit |
| **Single bus chassis—30.00-Inch (762.0 mm) wide box** | | | |
| 24X | **5PB2430G** | **5PT2430S** | **5PD24S** |
| 32X | **5PB3230G** | **5PT3230S** | **5PD32S** |
| 40X | **5PB4030G** | **5PT4030S** | **5PD40S** |
| **Double bus chassis—48.00-Inch (1219.2 mm) wide box** | | | |
| 24X | **5PB2448G** | **5PT2448S** | **5PD24T** |
| 32X | **5PB3248G** | **5PT3248S** | **5PD32T** |
| 40X | **5PB4048G** | **5PT4048S** | **5PD40T** |

**Table 57. Deadfront filler plates**

| Vertical "X" increment | Catalog number | |
|---|---|---|
| | Single bus chassis ① | Double bus chassis |
| 1X | **5PFP1S** | **5PFP1T** |
| 2X | **5PFP2S** | **5PFP2T** |
| 3X | **5PFP3S** | **5PFP3T** |
| 4X | **5PFP4S** | **5PFP4T** |
| 5X | **5PFP5S** | **5PFP5T** |
| 6X | **5PFP6S** | **5PFP6T** |

① These fillers are also used across from a breaker unit in a double bus chassis.



5PT2430S



5PD24S



5PFP3S



5PFP3T

## PRL1a, 2a-LX

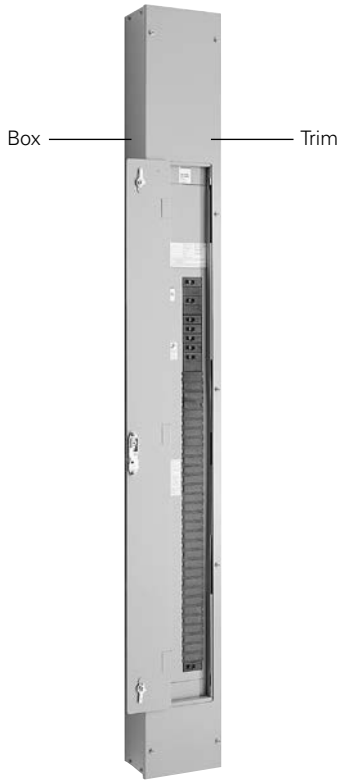



**Table 58. Type 1 box and trims**

| | Catalog number | | |
|---|---|---|---|
| **Box height in inches (mm)** | **Box** | **Surface trim standard** | **Surface trim door-in-door** |
| **Incoming location top fed** | | | |
| 69.00 (1752.6) | **YSC969** | **LTC969S** | **LTCD969S** |
| 78.00 (1981.2) | **YSC978** | **LTC978S** | **LTCD978S** |
| 81.00 (2057.4) | **YSC981** | **LTC981S** | **LTCD981S** |
| 90.00 (2286.0) | **YSC990** | **LTC990S** | **LTCD990S** |
| **Incoming location bottom fed** | | | |
| 69.00 (1752.6) | **YSC969** | **LTC969SB** | **LTCD969SB** |
| 78.00 (1981.2) | **YSC978** | **LTC978SB** | **LTCD978SB** |
| 81.00 (2057.4) | **YSC981** | **LTC981SB** | **LTCD981SB** |
| 90.00 (2286.0) | **YSC990** | **LTC990SB** | **LTCD990SB** |

## Pow-R-Command

For replacement parts, see PRL3a section, **page 19**.
The following parts are available:

- Connector kits
- Ground assemblies
- Service entrance kits
- Deadfront covers
- Trim locks



Pow-R-Command

## Additional services

Because virtually all panelboards are supplied to meet specific customer requirements, other parts not listed in this publication might occasionally be needed. Price and availability for parts not shown here may be obtained by contacting your local satellite plant and providing a complete description of the part along with the data on the panelboard nameplate.

Should you experience difficulty in determining what replacement parts are needed, contact your local satellite plant manager who can provide help to:

- Identify and recommend replacement parts
- Remove damaged parts and instruct you in how to install replacement parts
- Verify the correct connector kits that should be ordered for each circuit breaker or fusible switch
- Retrofit existing panelboard boxes with new Pow-R-Line interiors
- Provide a recommended spare parts list

**Eaton**
1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com

© 2017 Eaton
All Rights Reserved
Printed in USA
Publication No. RP01400001E / Z19610
October 2017

Eaton is a registered trademark.

All other trademarks are property
of their respective owners.