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

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.

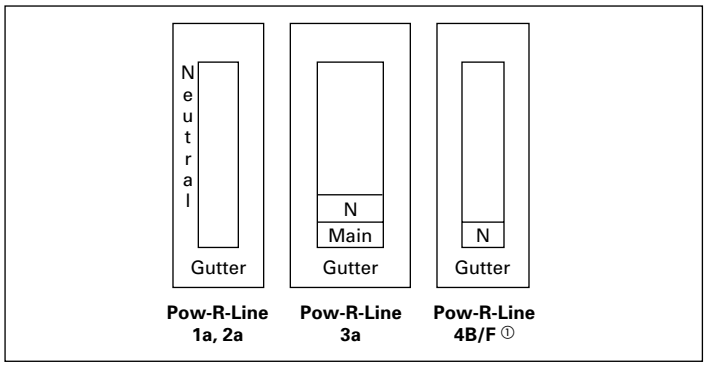


Figure 1. Position of the neutral in the panelboard

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.

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

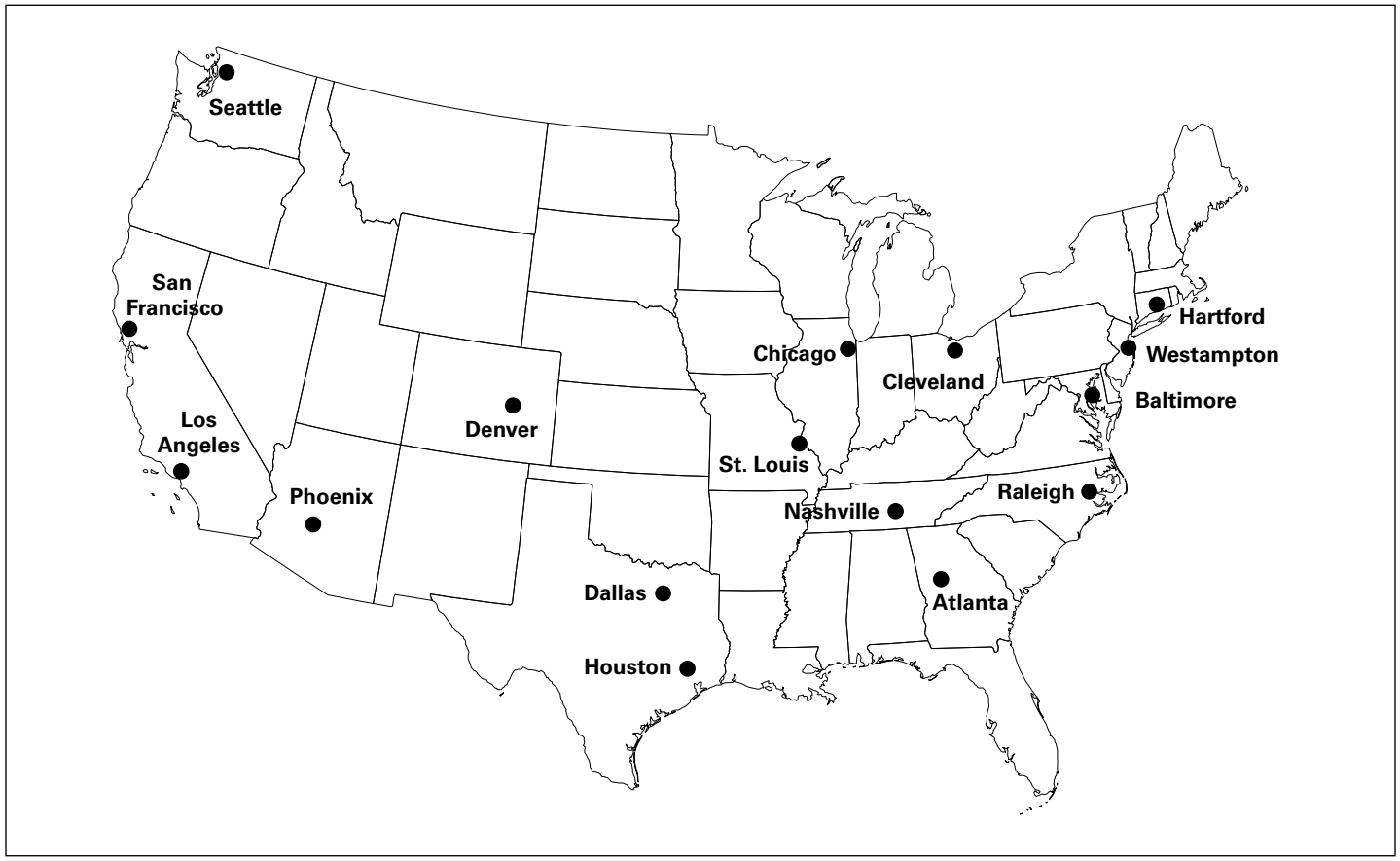


Figure 2. Satellite plants

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

PRL1a, 2a connector kits

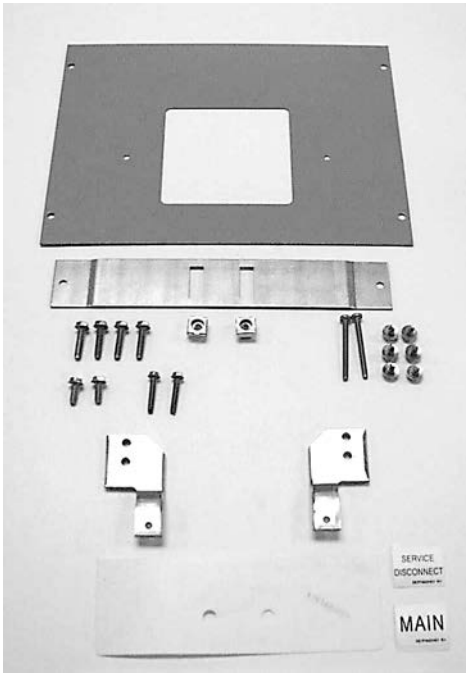
Table 2. Vertical breaker assemblies

		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**

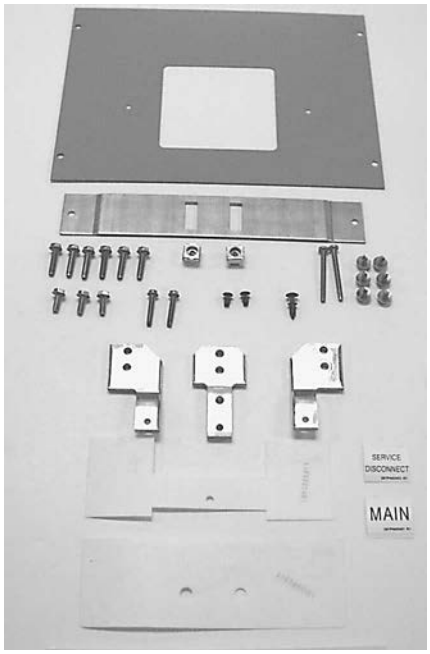
① Order main or sub-feed breaker separately when ordering above connector kits.

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.

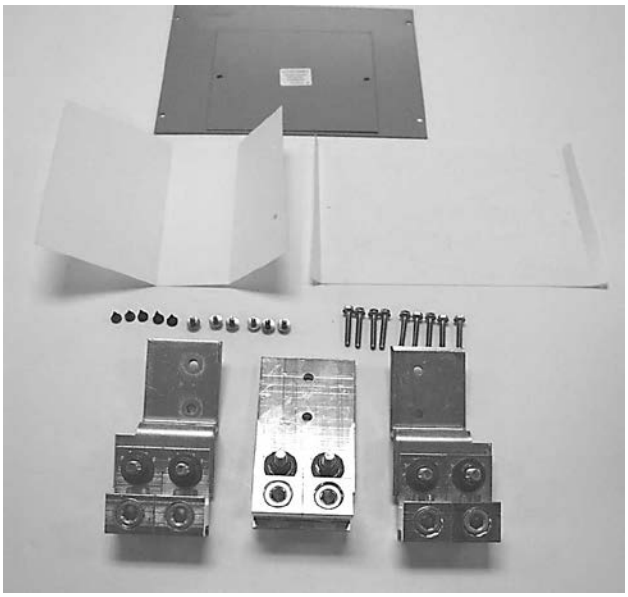
KL23AMS

KL21AVS

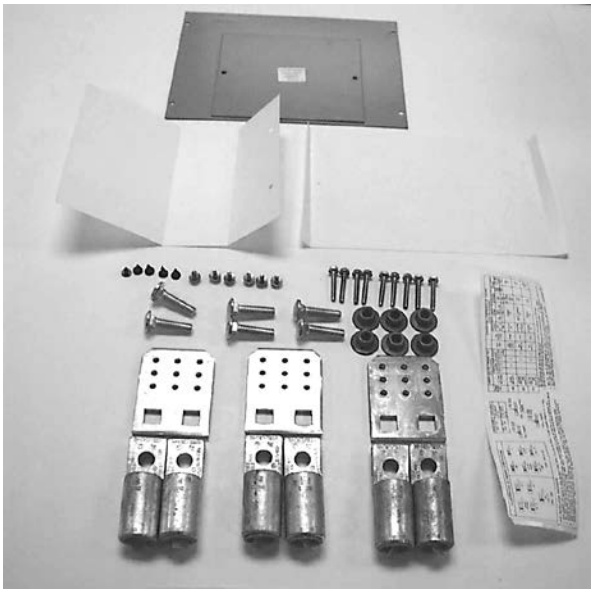
Table 5. 400 A lug assemblies

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.

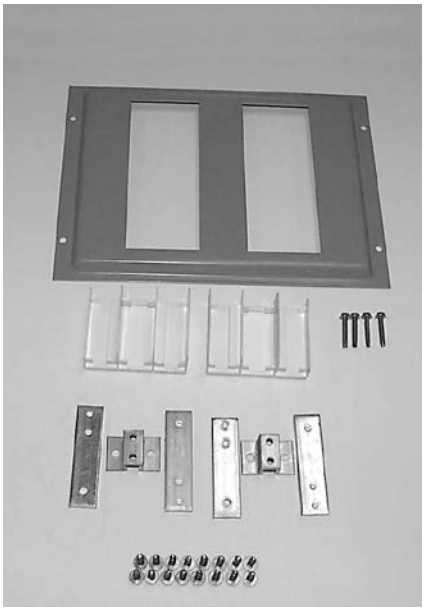
PRL1a horizontally mounted connector kit assemblies

Table 7. Bolt-on QUICKLAG® breaker assemblies

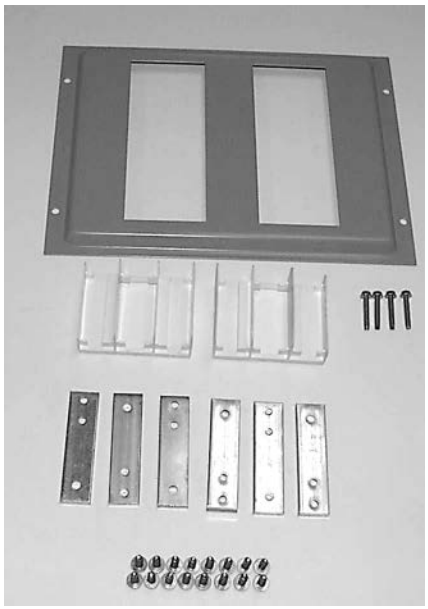
			Three-phase		Single-phase	
			Tin-plated aluminum connector	Silver-plated copper connector	Tin-plated aluminum connector	Silver-plated copper connector
Breaker frame	Drawing number ①	Branch circuit quantity	Item number			
BA, BAB, QBH, QBGF, QBHGF, QBGFEP, QBHGFEP	1C96608	12	G01	G03	G05	G07
		18	G09	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



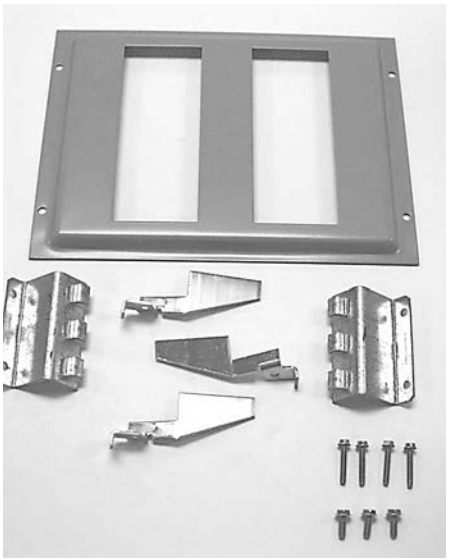
1C96608G05

Table 8. Plug-in QUICKLAG breaker assemblies

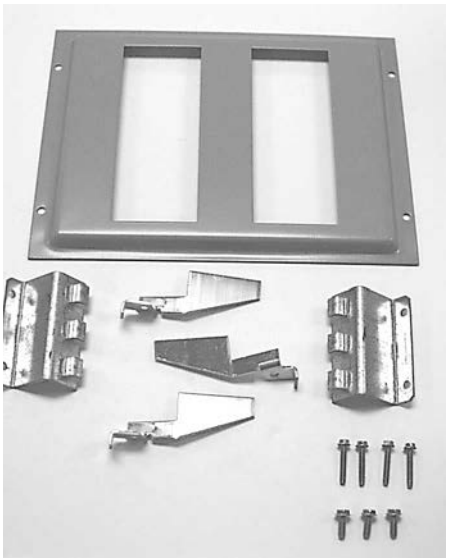
			Three-phase		Single-phase	
			Tin-plated aluminum connector	Silver-plated copper connector	Tin-plated aluminum connector	Silver-plated copper connector
Breaker frame	**Drawing number ①**	**Branch circuit quantity**	**Item number**			
HQP, QPHW, QHPX, QPGF, QPHGF, QPGFEP, QPHGFEP	2C11642	12	—	G03	—	G07
		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



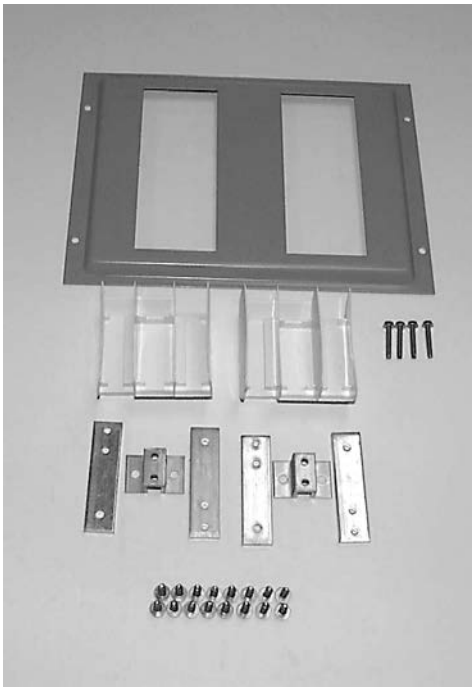
2C11642G07

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

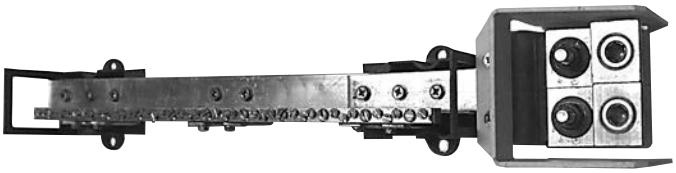
Table 12. 400 A neutral assemblies ①

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.

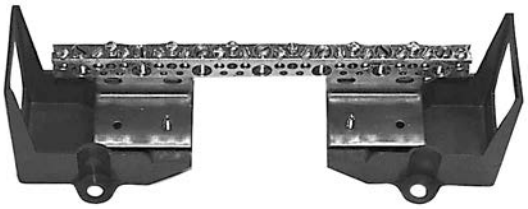
Table 14. 100 A neutral assemblies for 21.00–27.00-inch (533.4–685.8 mm) high enclosures only ①

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).

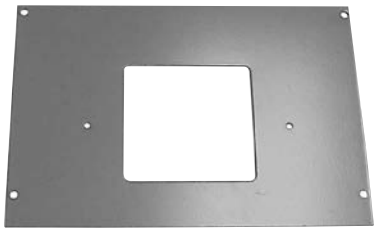
1C96638G01

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

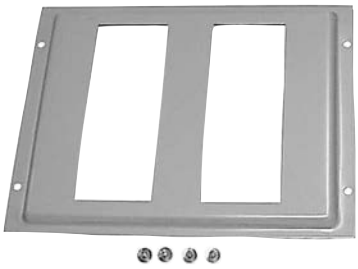


4180B03H01

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

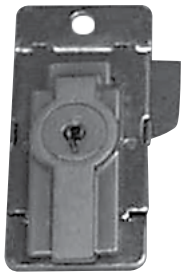
4180B52H01

Panelboard special trim locks

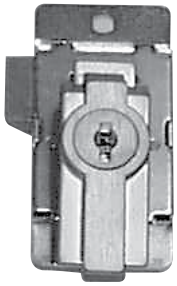
Panelboard trims use different trim locks. See pictures below for styles and part numbers. Contact your nearest satellite for availability on the styles listed below. See **page 3** for satellite listings.

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 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**

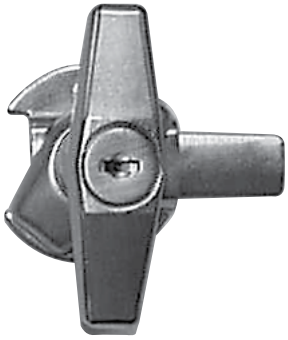


K80522

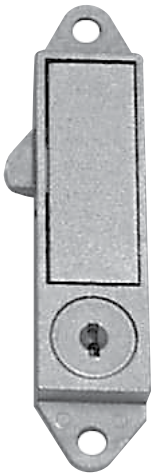


K80133

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

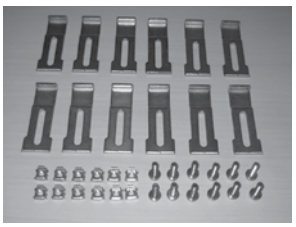
EZ trim latch without key

Panelboard Fastrim clamps and screw-on hardware kits

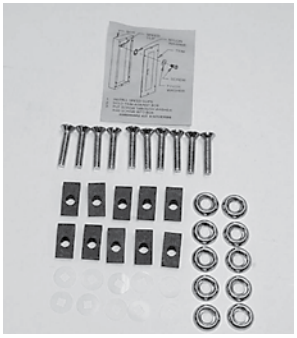
For panelboard trim clamps, contact your nearest satellite for availability on the styles listed below. See **page 3** for satellite listings.

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

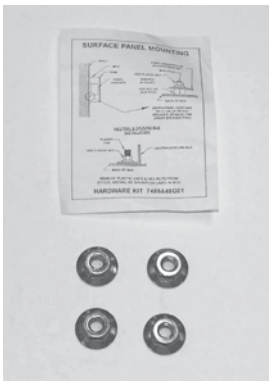
Description	Style number
Trim clamps—used on PRL1a, 2a, 3a Fastrims (6 per bag)	**2C11641G02**
Trim screws—used on PRL1a, 2a, 3a, 4B standard trim (10 per bag)	**5157C83G06**
Chassis mounting hardware bag—PRL1a, 2a, 3a panels	**7499A48G04**



2C11641G02



5157C83G06



7499A48G04

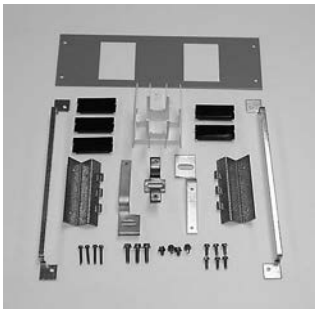
PRL3a parts section

PRL3a horizontally mounted connector kit assemblies

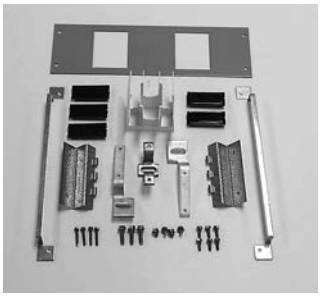
Three-phase kits contain A, B, and C phase connectors. Single-phase kits contain A and C phase connectors, deadfront cover, hardware and instructions to twin-mount breakers across from each other. **Maximum amperes connected to any one connector cannot exceed 200 A.**

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

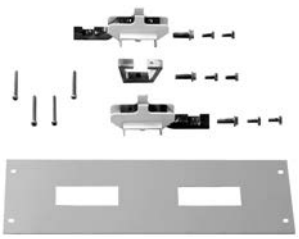
PRL3a F-Frame horizontally mounted connector kit assemblies

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

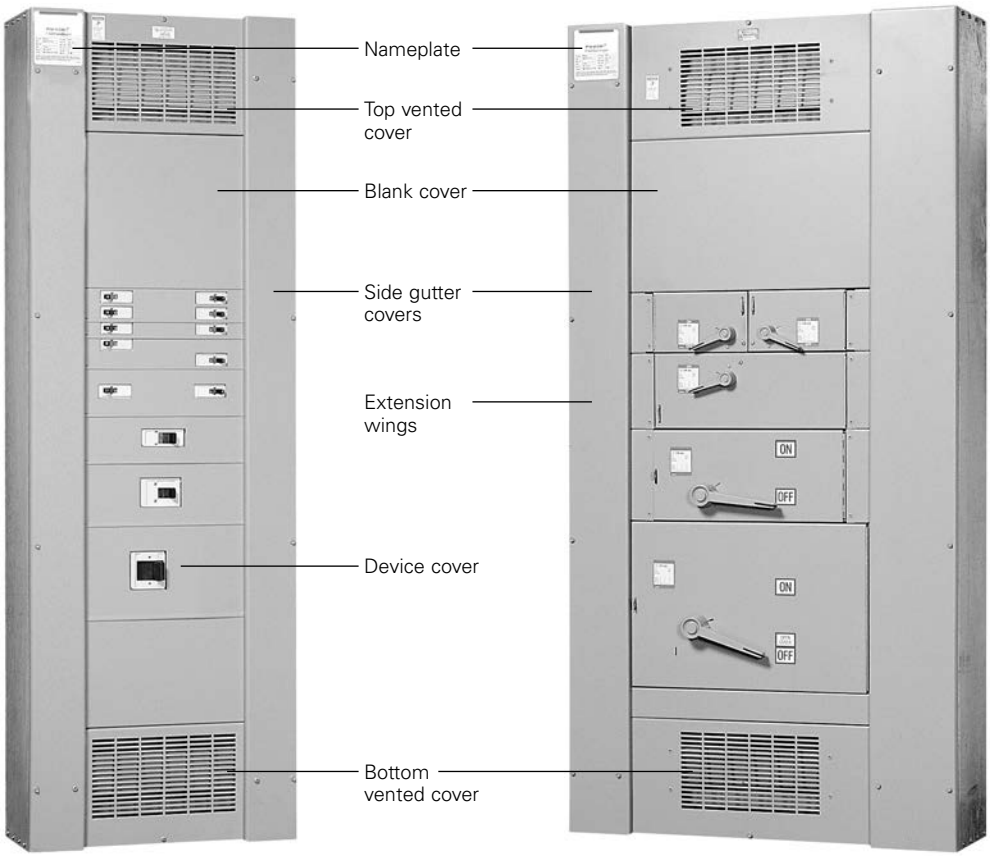
Table 34. PRL3a deadfront cover blank fillers

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

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).

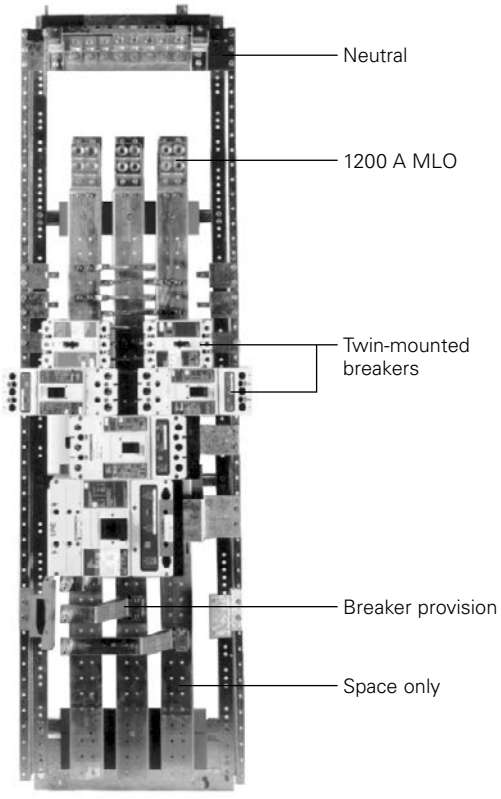
② Cover assembly consists of two side rails, top and bottom vented covers. **Important:** Order individual device covers and blanks separately.

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

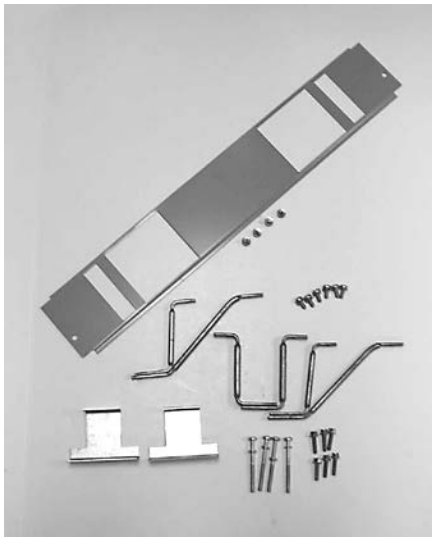
PRL4 breaker connector kits

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.

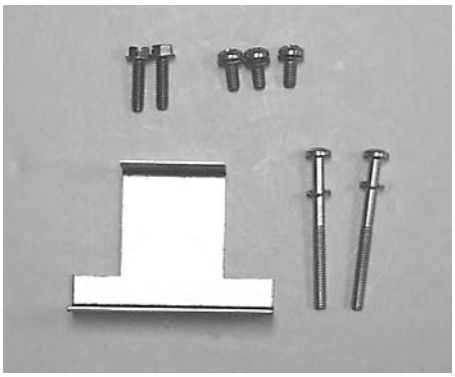
② 36.00-inch (914.4 mm) minimum box width required.

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

④ Requires density rated bus in existing panel chassis.

Hardware kit

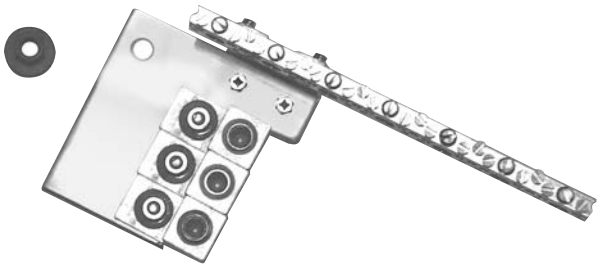
Each kit includes mounting bracket(s) and mounting hardware only. Use the appropriate connector kit catalog number and add an "H" to designate hardware only (example: KPRL4FD-H).



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.

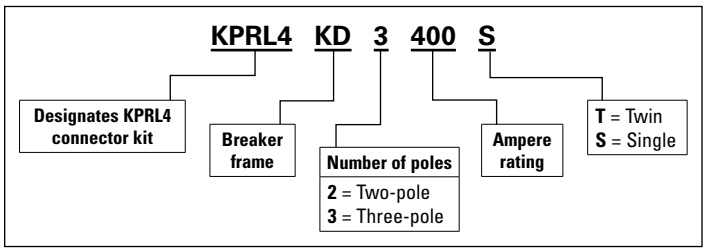
Table 39. Breaker retrofit kits

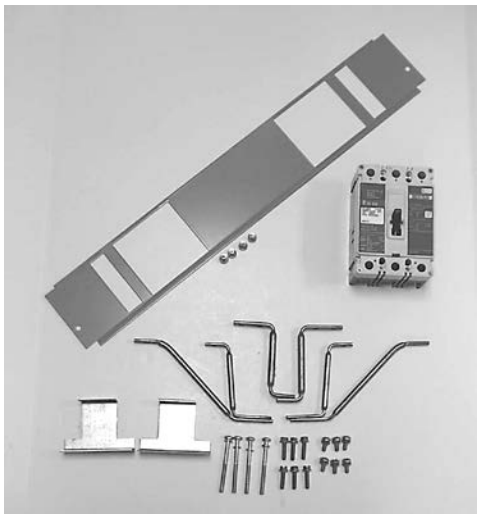
Breaker frame	Frame ampere rating	Trip range	Mounting type
EHD	100	15–100	Twin
FDB		15–100	Twin
FD		15–100	Twin
HFD		15–100	Twin
FDC		15–100	Twin
FCL		15–100	Twin
FB-P		15–100	Twin
FDB	150	110–150	Twin
FD	225	110–225	Twin
HFD		110–225	Twin
FDC		110–225	Twin
ED		100–225	Twin
EDH		100–225	Twin
EDC		100–225	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

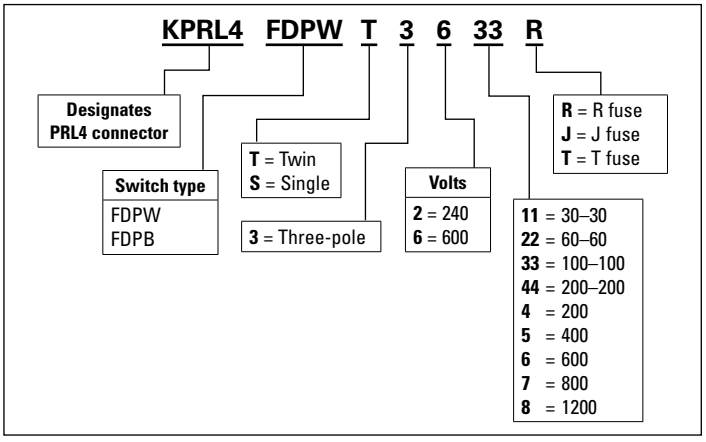
Switch ampere rating	Switch type	Mounting type
30–30	FDPW	Twin
60–60	FDPW	Twin
100–100	FDPW	Twin
100	FDPW	Single
200	FDPB	Single
200–200	FDPB	Twin
400	FDPW	Single
600	FDPW	Single
800	FDPW	Single
1200	FDPW	Single

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

PRL5P chassis layout

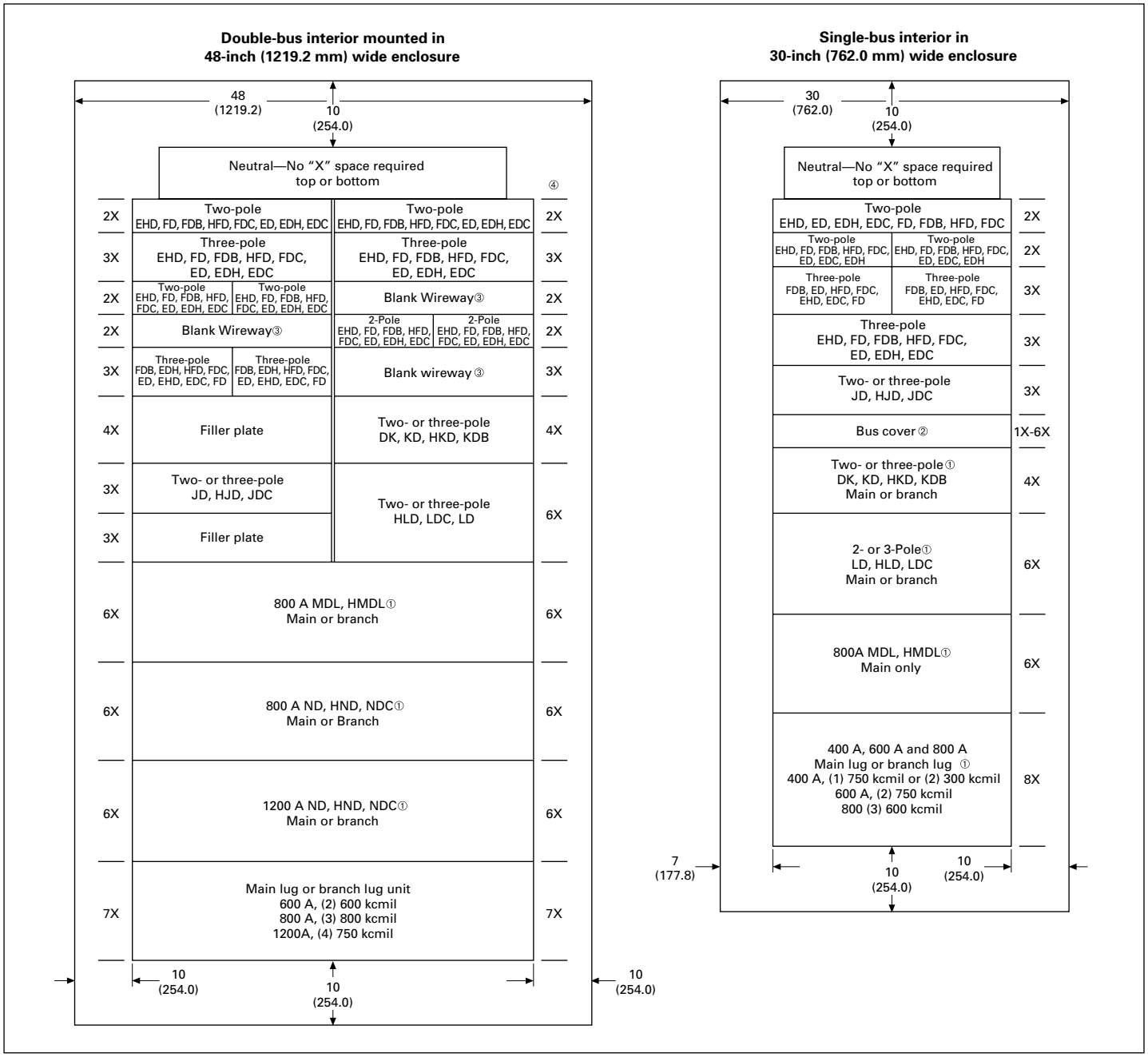


Figure 3. PRL5P chassis layout—dimensions in inches (mm)

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

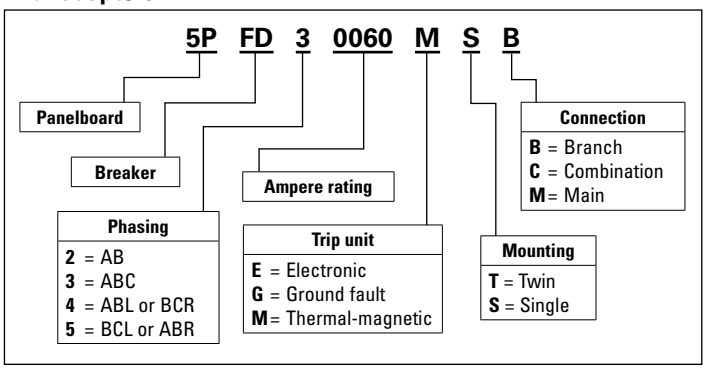
② Fixed bus covers are required for unused spaces if NEC® six-circuit disconnect rule is to be met.

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

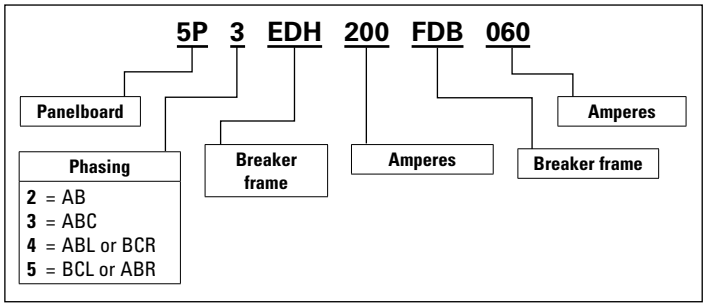
Table 47. Catalog numbering system—5P single or twin breakers with adapters



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.

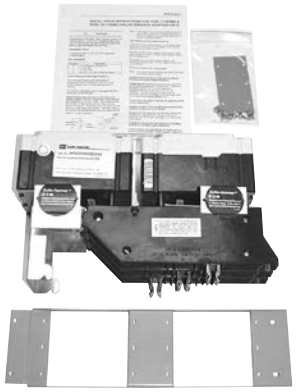
Dual breaker adapters—Any two breakers listed in **Table 52** may be mounted on the same 2X or 3X dual breaker adapter.

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

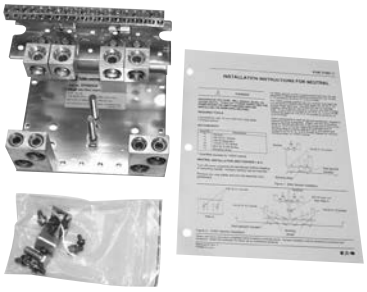
Description	Ampere rating	Wire size range	"X" space required	Catalog number
Single bus chassis mounting				
Ampere lug unit	400	(1) 1/0–500 or (2) 1/0–250 kcmil	8X	**5PLUG3400SC**
Ampere lug unit	600	(2) 1/0–500 kcmil	8X	**5PLUG3600SC**
Ampere lug unit	800	(2) #2–500 or (3) #2–400 kcmil	8X	**5PLUG3800SC**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

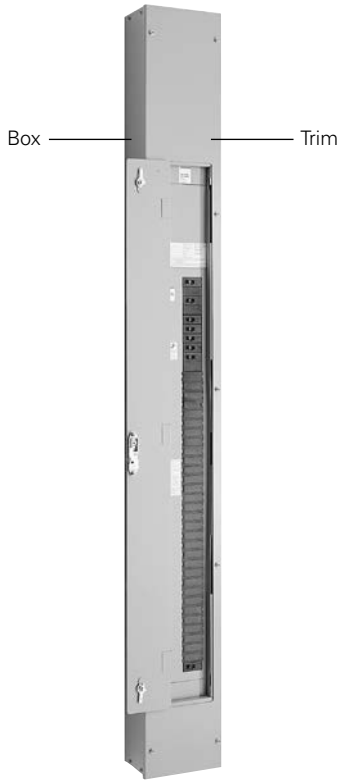


Table 58. Type 1 box and trims

	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

Printed in USA
Publication No. RP01400001E / Z19610
October 2017