

**SIEMENS**

# Siemens P1 Panelboards

## Selection and Application Guide



**Quality Panelboards**

Engineered for Lighting and Power Applications





400Amp P1 Panelboard



Door in Door Front



### P1 Feature Overview

Key Panelboard Features
Lighting and Appliance Applications
Power Panelboard Applications
Convertible From Top Feed to Bottom Feed and Vice Versa
Change From Main Lug to Main Breaker or Add Sub-Feed Without Changing Enclosure Size
Space-Saving, Horizontally Mounted Main Breaker Through 250 Amps
Short-Circuit Rating Label Giving Performance Level
Standard Aluminum Ground Bus
Blank End-Walls Standard
Bolted Current-Carrying Parts
Split Neutral
Connection Accessible From Front
Screw-Type Mechanical Lugs
Time-Reducing Wing Nuts to Secure Interior Without Tools
200 Ampere Rated Branch Breaker Connector
Main and Branch Devices Connected With Case-Hardened Hardware
Flush Lock, Concealed Door Hinges/Trim Screws
Symmetrical Interior Mounting Studs to Eliminate Upside-Down Mounting of Box
Jacking Screw Interior Adjustment
Shallow Depth
Optional Compression Lugs
Service Entrance Barrier
Single and Double Drip Shield Kits

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A product of outstanding quality, the current family of panelboard designs represents the high level of engineering innovation expected from Siemens. Additional strength has been added to an already rugged and durable panelboard family. At the same time, many models have a trimmed exterior size, have added flexibility and are easier to install. These newer designs simplify wiring and reduce material requirements, saving additional installation time.

The lighting panel design still features the Fas-Latch trim that is so popular with installers, the jacking screw system that permits adjustments even after wiring has been installed, and other features such as exclusive split neutral. Many panelboards have the capability of mixing and matching breakers of different sizes and ratings, or changing from main lug to main breaker, or adding sub-feed breakers without changing box size.

The complete family of panelboards from Siemens employs numerous features – all industry-leading, many exclusive. Note the following, all found in the innovative P1 lighting panelboards:

- Symmetrical interiors – no top or bottom! To change from top to bottom (or vice versa), simply invert the interior. The deadfront labeling is always right-side up.
- First in the industry ratings of 125A/250A main lug and main breaker.
- Field convertible from main lug to main breaker and vice versa, with no increase in enclosure height.
- Field addability of feed-thru lugs or sub-feed circuit breaker without increasing enclosure size.
- Neutral system is field upgradeable to 200% capacity – another industry first.
- Three circuit sizes (18, 30, 42) mean only three box heights, regardless of main configuration through 250 amps and an additional (18, 30, 42) circuit version available at 400 amps.
- Suitable for use as service entrance given compliance with CEC.
- Bonding provisions are shipped with each panel.
- 240V and 600Y/347V versions utilize identical boxes and fronts.

# Panelboard General Specifications

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## Class CTL Panelboards

Class CTL panelboards incorporate physical features which, in conjunction with the physical size, configuration, or other means provided in Class CTL circuit breakers, are designed to prevent the installation of more overcurrent protective poles than that number for which the device is designed and rated.

## Standards

CSA: 22.2 No.29 - M1989. (File # LR93833)

CEC: 2002

NEC: 1998

NEMA: PB1

UL: 67 and 50. Listed by Underwriter's Laboratories, Inc., under "Panelboards" File #E2269, and #E4016. Meets Federal Specification W-P-115c dated June 8, 1996, for Type 1, Class 1.

## Service Entrance Equipment

When a panelboard is used as service entrance equipment, it must be supplied with the appropriate CSA certification and labelling. Please consult CSA, CEC and local inspection authorities for specification and installation guidelines.

Panelboards must be identified as "Service Entrance" at the time of order entry.

Also panels must include a connector for bonding and grounding neutral conductor.

## Integrated Equipment Short Circuit Rating (Series Ratings)

The term "Integrated Equipment Short Circuit Rating" refers to the application of series connected circuit breakers in combination that allows some breakers to have lower individual interrupting ratings than the available fault current. This is permitted as long as the series combination has been tested and certified by CSA.

"Series Rated" must be identified at the time of order entry.

## Lighting and Distribution Panels – Type P1

- Interiors have the ability to physically interchange two- and three-pole breakers with an equivalent number of one-pole breakers.
- Panels come standard with connectors suitable for connection to copper or aluminum cable.
- Panels are labeled as "suitable for use as service entrance equipment."
- Panel interiors have adjustment screws to provide easy alignment for flush mounted applications.

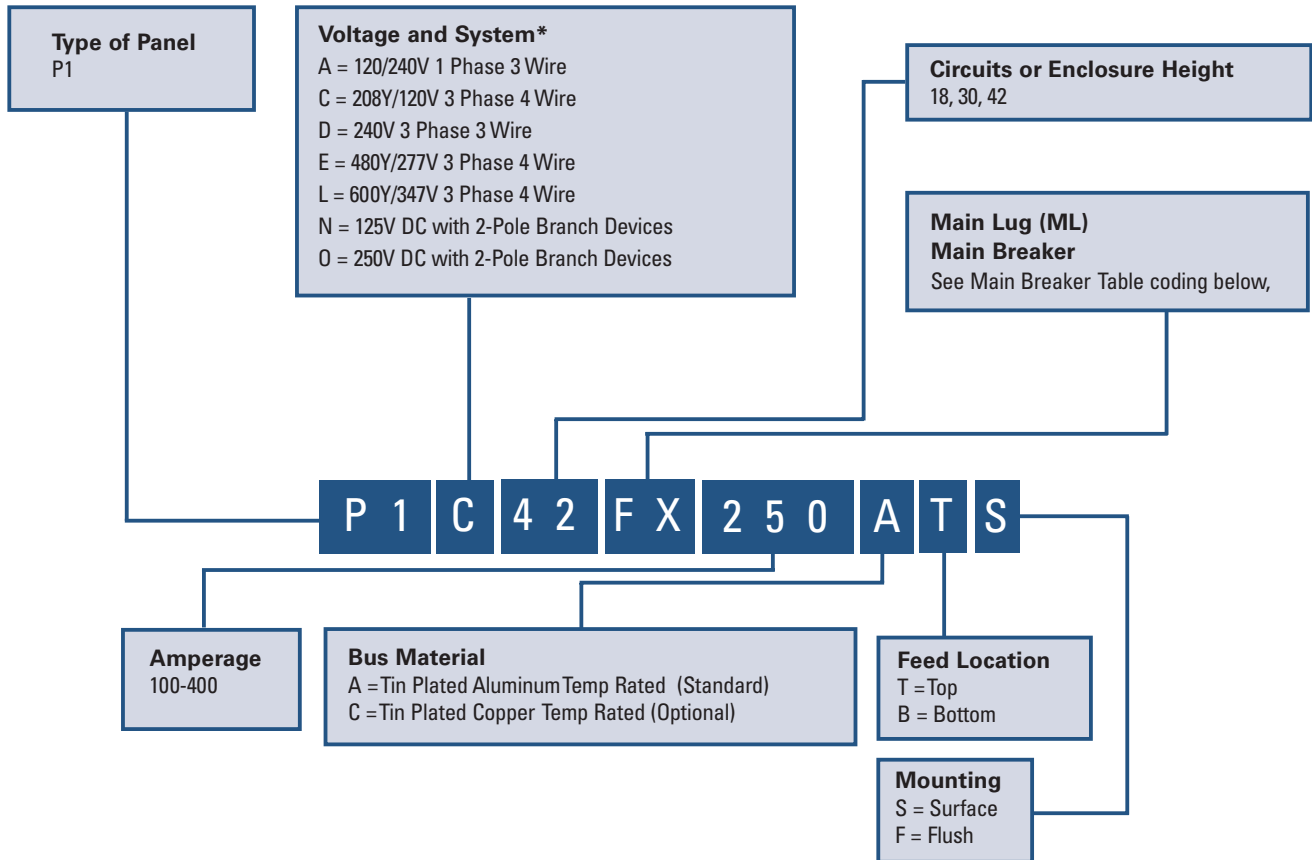
- The interior is provided with wing nuts for securing to box without tools.
- Removable end-walls are standard and available blank or with KO's.
- Panelboard box has a separate CSA and UL label and provides wire bending and gutter requirements to meet the CEC, NEC, CSA and UL standards.
- Wiring gutters are completely free of any part of trim clamp to prevent damaging wire insulation.
- Deadfronts are provided with a flange for easy attachment of trim.
- Incoming cable lugs are grouped at one end to separate them from the load side cables.
- Individual circuit number button, as well as an embossed number next to each breaker or provision, are provided.
- The interior shall be provided with wing nuts for securing to box without tools.
- The panel trim may be surface or flush and is equipped with concealed hinges, flush lock and a holder for circuit directory card. Trims are fabricated from code gauge steel and finished ANSI 61.
- Trim shall have two separate supports designed to engage the box flange to stabilize and secure the trim during installation.
- Trim screws to be located behind the lockable door for tamper resistance.

## Interior – Type P1

- Interiors may be completely factory-assembled.
- Sizing of conductor is in accordance with CSA and UL.
- Interiors permit installation of feed-thru lugs or a bus fed sub-feed circuit breaker, up to 250 amperes, without increasing the enclosure size.
- Interiors are convertible from main lug to main breaker with the addition of an appropriate field-installable kit.
- Interiors are changeable from top to bottom feed and vice versa, while maintaining readability of deadfront labeling.
- Main lugs up to 350 Kcmil are lay-in construction to facilitate connections.
- Neutral bussing is located adjacent to the breaker load terminals for easy wiring and shortest cable run possible.

# Catalogue Numbering System

## P1 Panelboard



### Main Breaker Selection

Amp. Rating	100						125			225						250			400				
Breaker Type	BL	BLH	HBL	ED2	ED6	BQD6	ED4	ED6	HED4	QJ2	QJH2	QJ2-H	HQJ2H	FD6	FXD6	HFD6	FXD6	FD6	HFD6	JXD6	JD6	HJD6	HHJD6
Code No.	BL	LH	HL	E2	E6	BD	E4	E6	H4	QJ	QH	Q2	HQ	F6	FX	HF	FX	F6	HF	JX	J6	HJ	HH

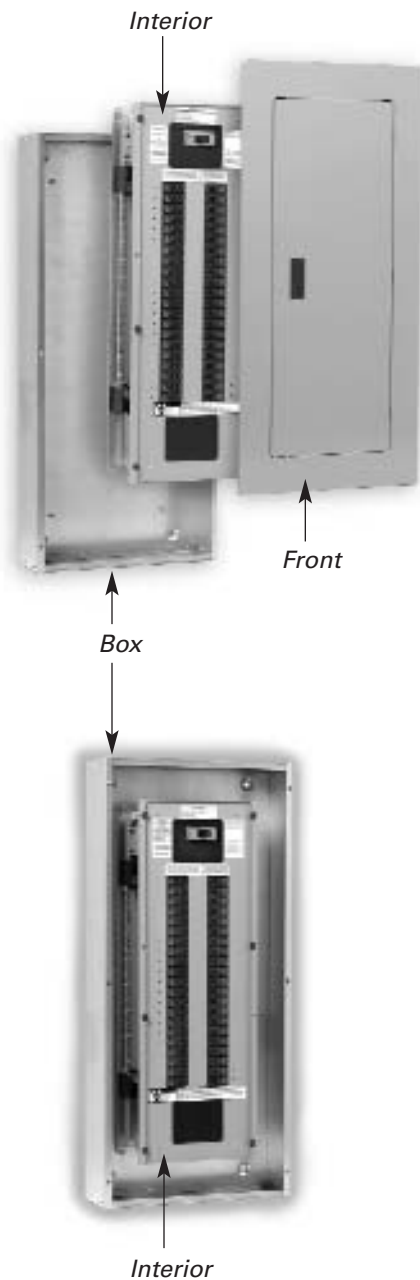
Additional information on page 11

For detailed circuit breaker information please consult the Siemens SPEEDFAX catalogue.

\* Other voltages available. Please contact your local Siemens representative.

# Distributor Stock Panelboards

## Type P1 Panelboards



Interiors Only – Less Branch Breakers				Boxes			Fronts	
Amp Rating Mains	Max No. of Poles	Interiors Convertible Mains	Interiors Main Lug	Height (in.)	Type 1	Type 3R/12	Surface	Flush

### 1 Ø 3 Wire

				120/240V				
250	18	P1A18MC250A	P1A18ML250A	32	B32	WP32	S32B	F32B
	30	P1A30MC250A	P1A30ML250A	38	B38	WP38	S38B	F38B
	42	P1A42MC250A	P1A42ML250A	44	B44	WP44	S44B	F44B
400	18	P1A18MC400A	P1A18ML400A	56	B56	WP56	S56B	F56B
	30	P1A30MC400A	P1A30ML400A	62	B62	WP62	S62B	F62B
	42	P1A42MC400A	P1A42ML400A	68	B68	WP68	S68B	F68B
250	18	P1A18MC250C	P1A18ML250C	32	B32	WP32	S32B	F32B
	30	P1A30MC250C	P1A30ML250C	38	B38	WP38	S38B	F38B
	42	P1A42MC250C	P1A42ML250C	44	B44	WP44	S44B	F44B
400	18	P1A18MC400C	P1A18ML400C	56	B56	WP56	S56B	F56B
	30	P1A30MC400C	P1A30ML400C	62	B62	WP62	S62B	F62B
	42	P1A42MC400C	P1A42ML400C	68	B68	WP68	S68B	F68B

### 3 Ø 4 Wire

				208Y/120V				
250	18	P1C18MC250A	P1C18ML250A	32	B32	WP32	S32B	F32B
	30	P1C30MC250A	P1C30ML250A	38	B38	WP38	S38B	F38B
	42	P1C42MC250A	P1C42ML250A	44	B44	WP44	S44B	F44B
400	18	P1C18MC400A	P1C18ML400A	56	B56	WP56	S56B	F56B
	30	P1C30MC400A	P1C30ML400A	62	B62	WP62	S62B	F62B
	42	P1C42MC400A	P1C42ML400A	68	B68	WP68	S68B	F68B
250	18	P1C18MC250C	P1C18ML250C	32	B32	WP32	S32B	F32B
	30	P1C30MC250C	P1C30ML250C	38	B38	WP38	S38B	F38B
	42	P1C42MC250C	P1C42ML250C	44	B44	WP44	S44B	F44B
400	18	P1C18MC400C	P1C18ML400C	56	B56	WP56	S56B	F56B
	30	P1C30MC400C	P1C30ML400C	62	B62	WP62	S62B	F62B
	42	P1C42MC400C	P1C42ML400C	68	B68	WP68	S68B	F68B

### 3 Ø 4 Wire

				600Y/347V				
250	18	P1L18MC250A	P1L18ML250A	32	B32	WP32	S32B	F32B
	30	P1L30MC250A	P1L30ML250A	38	B38	WP38	S38B	F38B
	42	P1L42MC250A	P1L42ML250A	44	B44	WP44	S44B	F44B
400	18	P1L18MC400A	P1L18ML400A	56	B56	WP56	S56B	F56B
	30	P1L30MC400A	P1L30ML400A	62	B62	WP62	S62B	F62B
	42	P1L42MC400A	P1L42ML400A	68	B68	WP68	S68B	F68B
250	18	P1L18MC250C	P1L18ML250C	32	B32	WP32	S32B	F32B
	30	P1L30MC250C	P1L30ML250C	38	B38	WP38	S38B	F38B
	42	P1L42MC250C	P1L42ML250C	44	B44	WP44	S44B	F44B
400	18	P1L18MC400C	P1L18ML400C	56	B56	WP56	S56B	F56B
	30	P1L30MC400C	P1L30ML400C	62	B62	WP62	S62B	F62B
	42	P1L42MC400C	P1L42ML400C	68	B68	WP68	S68B	F68B

# Distributor Stock Panelboards

## Type P1 Panelboards

### Lug Kits – Main or Feed-Thru

Amp Rating	Material	Wire Range	Service	Catalog No.
250	Al	(1) #6 AWG - 350 Kcmil (Cu or Al)	1 Phase	MLKA1
		(1) #6 AWG - 350 Kcmil (Cu or Al)	3 Phase	MLKA3
	Cu	(1) #6 AWG - 350 Kcmil (Cu or Al)	1 Phase	MLKC1
		(1) #6 AWG - 350 Kcmil (Cu or Al)	3 Phase	MLKC3
400	Al	(2) 3/0 AWG - 250 Kcmil / (1) 600 Kcmil	1 Phase	4MLKA1
		(2) 3/0 AWG - 250 Kcmil / (1) 600 Kcmil	3 Phase	4MLKA3
	Cu	(2) 3/0 AWG - 250 Kcmil / (1) 600 Kcmil	1 Phase	4MLKC1
		(2) 3/0 AWG - 250 Kcmil / (1) 600 Kcmil	3 Phase	4MLKC3

### Service Entrance Barrier Kits

Ampere Rating	Breaker Type	Catalog No.
70	BQD6	CSBQDSE
100	BL, BLH, HBL	CSBLSE
125	ED2, ED4, ED6, HED4	CSESE
225	QJ2, QJH2, QJ2H	CSQJSE
250	FXD6, FD6, HFD6	CSFDSE
400	JXD6, JD6, HJD6, HHJD6	CSJDSE

### Copper Neutral Lug Kits – 250A

No. of Circuits	Description	Catalog No.
18	2 Branch Neutral Strips, 1 Main Neutral Lug, Hardware	CNLK18
30	2 Branch Neutral Strips, 1 Main Neutral Lug, Hardware	CNLK30
42	2 Branch Neutral Strips, 1 Main Neutral Lug, Hardware	CNLK42

### 200% Neutral Lug Kits – 250A

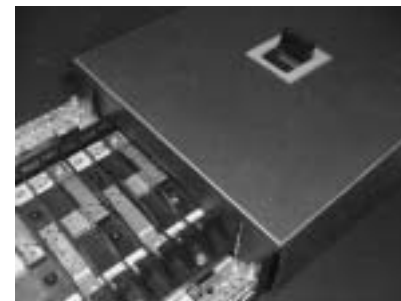
No. of Circuits	Description	Catalog No.
18	2 Branch Neutral Strips, 2 Main Neutral Lug, Hardware	2NLK18
30	2 Branch Neutral Strips, 2 Main Neutral Lug, Hardware	2NLK30
42	2 Branch Neutral Strips, 2 Main Neutral Lug, Hardware	2NLK42

### 200% Neutral Lug Kits – 400A

No. of Circuits	Description	Catalog No.
18	2 Branch Neutral Strips, 4 Main Neutral Lug, Hardware	42NLK18
30	2 Branch Neutral Strips, 4 Main Neutral Lug, Hardware	42NLK30
42	2 Branch Neutral Strips, 4 Main Neutral Lug, Hardware	42NLK42

### Miscellaneous Replacement Parts

Catalog No.	Description
EGK	Al Ground Bus 44 Connections
BK1	Bonding Kit (250A Max.)
BK4	Bonding Kit (400A Max.)
IMK1	Interior Adjusting Kit
MCHK	Metallic Directory Card Holder
NBK3	Number Strips 1-42
11-1824-01	Directory Card Holder
12-1110-01	Directory Card
11-1056-01	NEMA Instruction Book



Service Entrance Barrier



CNLK42



2NLK42

# Distributor Stock Panelboards

## Type P1 Panelboards

### Breaker Mounting Kits – Main or Subfeed (Breaker not included)



**MBKQJ3**  
(Breaker not included)

Amp Rating	Main	Sub-feed	Breaker Frames	Service	Catalog No.
100	Yes	Yes	BL, BLH, HBL	1 Phase	MBKBL1
				3 Phase	MBKBL3
100	Yes	Yes	BQD6	1 Phase	MBKBC1
				3 Phase	MBKBC3
125	Yes	Yes	ED2, ED4, ED6, HED4	1 Phase	MBKED1
				3 Phase	MBKED3
225	Yes	Yes	QJ2, QJH2, QJ2-H	1 Phase	MBKQJ1
				3 Phase	MBKQJ3
250	Yes	Yes	FXD6, FD6, HFD6	1 Phase	MBKFD1
				3 Phase	MBKFD3
400	Yes	No	JD6, JXD6, HJD6, HHJD6	1 Phase	MBKJD1
				3 Phase	MBKJD3



**MBKFD3**  
(Breaker not included)

### Miscellaneous Accessories



**NBK4**

Catalog No.	Description
NBK4	Number Strips 43-84
NBK5	Number Strips 85-126
NBK6	Number Strips 127-168
ECGK	Cu Ground Bus 44 Connections
IGK	Insulated Al Ground Bus
ICGK	Insulated Cu Ground Bus
EWK1	End-Wall Kit with Knockouts (20"W x 5.75" DP)
QF3	Filler Plate
SDKN	Dripshield Kit (20"W x 5.75" DP)



# Distributor Stock Panelboards

## Branch Breakers Selection for P1

### Selection Guide

1. Select breaker type.
2. Select required amperage.
3. Select number of poles.
4. Select branch breaker catalog numbers.
5. Select ground bus and filler plates. (See replacement parts & accessories on page 5 & 6.)

### BL Branch Breakers – 10,000A IR

Amp Rating	1-Pole 120/240V	2-Pole 120/240V	2-Pole 240V	3-Pole 240V
15	B115	B215	B215R	B315
20	B120	B220	B220R	B320
25	B125	B225	B225R	B325
30	B130	B230	B230R	B330
40	B140	B240	B240R	B340
50	B150	B250	B250R	B350
60	B160	B260	B260R	B360
70	B170	B270	B270R	B370
80	–	B280	B280R	B380
90	–	B290	B290R	B390
100	–	B2100	B2100R	B3100

### BLH Branch Breakers – 22,000A IR

Amp Rating	1-Pole 120/240V	2-Pole 120/240V	3-Pole 240V
15	B115H	B215H	B315H
20	B120H	B220H	B320H
25	B125H	B225H	B325H
30	B130H	B230H	B330H
40	B140H	B240H	B340H
50	B150H	B250H	B350H
60	B160H	B260H	B360H
70	B170H	B270H	B370H
80	–	B280H	B380H
90	–	B290H	B390H
100	–	B2100H	B3100H

### HBL Branch Breakers – 65,000A IR

Amp Rating	1-Pole 120/240V	2-Pole 120/240V	3-Pole 240V
15	B115HH	B215HH	B315HH
20	B120HH	B220HH	B320HH
30	B130HH	B230HH	B330HH
40	B140HH	B240HH	B340HH
50	B150HH	B250HH	B350HH
60	–	B260HH	B360HH
70	–	B270HH	B370HH
80	–	B280HH	B380HH
90	–	B290HH	B390HH
100	–	B2100HH	B3100HH

### BQD6 Branch Breakers – 10,000A IR Max

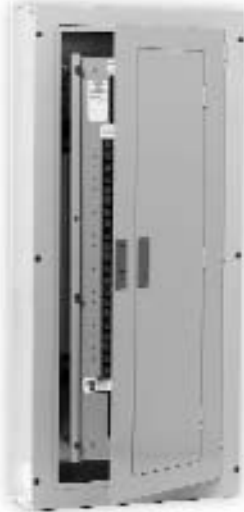
Amp Rating	1-Pole 347V	2-Pole 600Y/347V	3-Pole 600Y/347V
15	BQD6115	BQD6215	BQD6315
20	BQD6120	BQD6220	BQD6320
25	BQD6125	BQD6225	BQD6325
30	BQD6130	BQD6230	BQD6330
35	BQD6135	BQD6235	BQD6335
40	BQD6140	BQD6240	BQD6340
45	BQD6145	BQD6245	BQD6345
50	BQD6150	BQD6250	BQD6350
60	BQD6160	BQD6260	BQD6360
70	BQD6170	BQD6270	BQD6370

For detailed circuit breaker information please consult the Siemens SPEEDFAX catalogue.

Siemens Panelboards

# Distributor Stock Panelboards

## Main Breaker Selection (Breaker Kit)



Catalogue No.	Description	Ratings 240V	Ratings 480V	Ratings 600V
MBKBL12100	Kit with 2-Pole BL 100A Breaker	10KA	–	–
MBKBL33125	Kit with 3-Pole BL 125A Breaker	10KA	–	–
MBKBC12100	Kit with 2-Pole BQD6 100A Breaker	65KA	14KA	10KA
MBKBC33100	Kit with 3-Pole BQD6 100A Breaker	65KA	14KA	10KA
MBKED33100	Kit with 3-Pole ED6 100A Breaker	65KA	25KA	18KA
MBKED33125	Kit with 3-Pole ED6 125A Breaker	65KA	25KA	18KA
MBKQJ12125	Kit with 2-Pole QJ2 125A Breaker	10KA	–	–
MBKQJ33150	Kit with 3-Pole QJ2 150A Breaker	10KA	–	–
MBKQJ33200	Kit with 3-Pole QJ2 200A Breaker	10KA	–	–
MBKQJ33225	Kit with 3-Pole QJ2 225A Breaker	10KA	–	–
MBKFD33225	Kit with 3-Pole FXD6 225A Breaker	65KA	35KA	18KA
MBKFD33250	Kit with 3-Pole FXD6 250A Breaker	65KA	35KA	18KA
MBKJD33400	Kit with 3-Pole JXD6 400A Breaker	65KA	35KA	25KA

Other Breaker kits available. Please contact your local Siemens representative.



*MBKFD33250  
(Breaker included)*



# Factory-Assembled Panelboards

## Selection and Application

### 3 Easy Steps for Selecting a Siemens P1 Panelboard

#### Step 1

– Determine voltage, system, amperage and interrupting rating of branch devices, and modifications if any.

Example for standard lighting panelboard:

Amperage	250A
Voltage	208Y/120V
System	3Ø4W
Main	Main Lug
Branches	10K AIR, 42-20/1
Modifications	None
Feed Location	Top
Mounting	Surface

#### Step 2

– Create a catalog number by following the Panelboard Catalog Numbering System on page 3. The BL branch breakers were selected from the branch breaker selection table on page 7.

1-P1C42ML250ATS  
42-20/1 BL

#### Step 3

– Select enclosure size by the number of circuits as shown in the panelboard main lugs only chart on page 10.

1-P1C42ML250ATS  
42-20/1 BL  
Box size – 44" high

A unique feature of the P1 panels is that they can accommodate either feed-thru lugs or one sub-feed circuit breaker (up to 250A) without any addition in box height. For our example changing the branch circuits to 39-20/1 and 1-125/3, we have the following:

1-P1C42ML250ATS  
39-20/1 BL  
1-125/3 QJ2  
3-Spaces  
Box size – 44" high

The QJ2 sub-feed was selected from the table of sub-feed breakers on page 12. The box height remains the same.

### Circuit Breaker / Lighting & Distribution

**600Y/347 Vac Max.  
250 Vdc Max.  
400 Ampere Mains  
250 Ampere Maximum Subfeed Breaker  
CSA/UL Short Circuit Rating —  
200,000A IR Maximum \*  
Breaker Symmetrical  
Interrupting Capacity**

#### Main Breakers

For main breaker selection please refer to chart on page 11. Connector ranges indicated do not apply to all main breaker types. Refer to molded case circuit breaker standard pressure wire connectors.

#### Boxes

20" wide, 5.75" deep (400A max)  
End-walls are blank as standard.  
End-walls with knockouts are available.

#### Weight — Approximate

Total panelboard weight when filled with a normal quantity of breakers and accessories is about 3 lbs. per inch of box height.

#### Main Breaker Panel Connectors

Amp Rating	Connectors Suitable for Cu or Al
100	(1) - #14 - 1/0 AWG
125	(1) - #4 - 1/0 AWG
225	(1) - #4 AWG - 300 Kcmil
250	(1) - #4/0 AWG - 350 Kcmil Al
	(1) - #6/0 AWG - 350 Kcmil Cu
400	(2) - #4/0 AWG - 250 Kcmil
	(1) - #4/0 AWG - 500 Kcmil

#### Gutters (Wiring Space)

Breaker Type	Main Lug	Main Breaker	Branch Breaker
125/250A	10.5"	N/A	N/A
400A	25.5"	N/A	N/A
BL, BLH, HBL, BQD6	N/A	8.5"	6.375"
QJ, QJH2, QJ2H	N/A	6.5"	6.5"
ED4, ED6, HED4	N/A	6.125"	6.125"
FXD6, FD6, HFD6	N/A	5.25"	5.25"
JXD6 <sup>1</sup> , JD6 <sup>1</sup> , HJD6 <sup>1</sup>	N/A	15.0"	—

<sup>1</sup> 400A main breaker is vertical mount

#### Main Lug Connectors

Amp Rating	Connectors Suitable for Cu or Al
125	(1) - #6 AWG - 350 Kcmil
250	(1) - #6 AWG - 350 Kcmil
400	(2) - #4/0 AWG - 250 Kcmil
	(1) - #4/0 AWG - 600 Kcmil

#### Box Material Gauge

Width	Height	Gauge Steel
20" (250A Max)	32, 38, 44	#16
20" (Above 250A)	56, 62, 68	#16

#### Trim Material Gauge

Width	Height	Gauge Steel
20" (250A Max)	32, 38, 44	#14
20" (Above 250A)	56, 62, 68	#14

\* IR Rating will depend on the type of main breaker applied or if main breaker is "Series Rated" with an up stream protective device (circuit breaker or fuse).

## Siemens Panelboards

# Factory-Assembled Panelboards

## Selection and Application

### Main Lugs Only

Max Panel Amp Rating	Max 1-Pole Circuits	Box Ht. (in.)	Catalog No.			
			208Y/120V 3Ø4W	120/240V 1Ø3W	480Y/277V 3Ø4W	600Y/347V 3Ø4W
125	18	32	P1C18ML125ATS	P1A18ML125ATS	P1E18ML125ATS	P1L18ML125ATS
	30	38	P1C30ML125ATS	P1A30ML125ATS	P1E30ML125ATS	P1L30ML125ATS
	42	44	P1C42ML125ATS	P1A42ML125ATS	P1E42ML125ATS	P1L42ML125ATS
250	18	32	P1C18ML250ATS	P1A18ML250ATS	P1E18ML250ATS	P1L18ML250ATS
	30	38	P1C30ML250ATS	P1A30ML250ATS	P1E30ML250ATS	P1L30ML250ATS
	42	44	P1C42ML250ATS	P1A42ML250ATS	P1E42ML250ATS	P1L42ML250ATS
400	18	56	P1C18ML400ATS	P1A18ML400ATS	P1E18ML400ATS	P1L18ML400ATS
	30	62	P1C30ML400ATS	P1A30ML400ATS	P1E30ML400ATS	P1L30ML400ATS
	42	68	P1C42ML400ATS	P1A42ML400ATS	P1E42ML400ATS	P1L42ML400ATS

Aluminum Bus, Top Fed and Surface Mounted

### Main Circuit Breaker

100	18	32	P1C18BL100ATS	P1A18BL100ATS	P1E18BD100ATS	P1L18BD100ATS
	30	38	P1C30BL100ATS	P1A30BL100ATS	P1E30BD100ATS	P1L30BD100ATS
	42	44	P1C42BL100ATS	P1A42BL100ATS	P1E42BD100ATS	P1L42BD100ATS
125	18	32	P1C18E2125ATS	P1A18E2125ATS	P1E18E6125ATS	P1L18E6125ATS
	30	38	P1C30E2125ATS	P1A30E2125ATS	P1E30E6125ATS	P1L30E6125ATS
	42	44	P1C42E2125ATS	P1A42E2125ATS	P1E42E6125ATS	P1L42E6125ATS
225	18	32	P1C18QJ225ATS	P1A18QJ225ATS	P1E18FX225ATS	P1L18FX225ATS
	30	38	P1C30QJ225ATS	P1A30QJ225ATS	P1E30FX225ATS	P1L30FX225ATS
	42	44	P1C42QJ225ATS	P1A42QJ225ATS	P1E42FX225ATS	P1L42FX225ATS
250	18	32	P1C18FX250ATS	P1A18FX250ATS	P1E18FX250ATS	P1L18FX250ATS
	30	38	P1C30FX250ATS	P1A30FX250ATS	P1E30FX250ATS	P1L30FX250ATS
	42	44	P1C42FX250ATS	P1A42FX250ATS	P1E42FX250ATS	P1L42FX250ATS
400	18	56	P1C18JX400ATS	P1A18JX400ATS	P1E18JX400ATS	P1L18JX400ATS
	30	62	P1C30JX400ATS	P1A30JX400ATS	P1E30JX400ATS	P1L30JX400ATS
	42	68	P1C42JX400ATS	P1A42JX400ATS	P1E42JX400ATS	P1L42JX400ATS

Aluminum Bus, Top Fed and Surface Mounted



# Factory Assembled Panelboards

## Selection and Application

### Type P1

#### Main Breaker Selection

Amp Rating	Breaker Type	Max. Interrupting Rating (kA)			Catalog No.	Available Trip Values
		240V	480Y/277V	600Y/347V		
100	BL	10	—	—	BL	30, 40, 50, 60, 70, 80, 90, 100
	BLH	22	—	—	LH	30, 40, 50, 60, 70, 80, 90, 100
	HBL	65	—	—	HL	30, 40, 50, 60, 70, 80, 90, 100
	ED2	10	—	—	E2	30, 40, 50, 60, 70, 80, 90, 100
	BQD6	65	14	10	BD	30, 40, 50, 60, 70,
125	ED4	65	18	—	E4	30, 40, 50, 60, 70, 80, 90, 100, 110, 125
	ED6	65	25	18	E6	30, 40, 50, 60, 70, 80, 90, 100, 110, 125
	HED4	100	42	—	H4	30, 40, 50, 60, 70, 80, 90, 100, 110, 125
225	QJ2	10	—	—	QJ	60, 70, 80, 90, 100, 110, 125, 150, 175, 200, 225
	QJH2	22	—	—	QH	60, 70, 80, 90, 100, 110, 125, 150, 175, 200, 225
	QJ2-H	42	—	—	Q2	60, 70, 80, 90, 100, 110, 125, 150, 175, 200, 225
	FD6	65	35	18	F6	60, 70, 80, 90, 100, 110, 125, 150, 175, 200, 225
	FXD6	65	35	18	FX	70, 80, 90, 100, 110, 125, 150, 175, 200, 225
	HFD6	100	65	25	HF	70, 80, 90, 100, 110, 125, 150, 175, 200, 225
250	FXD6	65	35	18	FX	70, 80, 90, 100, 110, 125, 150, 175, 200, 225, 250
	FD6	65	35	18	F6	60, 70, 80, 90, 100, 110, 125, 150, 175, 200, 225, 250
	HFD6	100	65	25	HF	70, 80, 90, 100, 110, 125, 150, 175, 200, 225, 250
400	JXD6	65	35	25	JX	200, 225, 250, 300, 350, 400
	JD6	65	35	25	J6	200, 225, 250, 300, 350, 400
	HJD6	100	65	35	HJ	200, 225, 250, 300, 350, 400
	HHJD6	200	100	50	HH	200, 225, 250, 300, 350, 400

#### Branch Breaker Selection

Breaker Frame	Amp Rating	No. of Poles	Max. Interrupting Rating (kA)		
			240V Max	480Y/277V	600Y/347V
BL	15-70	1	10	—	—
	15-100	2, 3		—	—
BLH	15-70	1	22	—	—
	15-100	2, 3		—	—
HBL	15-50	1	65	—	—
	15-70	2		—	—
BLF	15-30	1	10	—	—
	15-60	2		—	—
BLHF	15-30	1	22	—	—
	15-60	2		—	—
BGL	15-30	2, 3	10	—	—
BLE	15-30	1	10	—	—
	15-60	2		—	—
BQD6	15-70	1, 2, 3	65	14	10

For detailed circuit breaker information please consult the Siemens SPEEDFAX catalogue.

For "Series Rating," tested combinations please consult the Siemens Series Rated Combination Guide. # 0.5\_10/01\_AIS\_1198

# Factory Assembled Panelboards

## Selection & Application

**400 Amps Max.**  
**600Y/347 Vac Max.**  
**200 KAIC Rating Max.\***

P1 panelboards are pre-engineered to accept the most common modifications without increasing box height. All P1 panelboards have space built-in to accept either feed-thru lugs (equal to the main rating) or a minimum of one subfeed circuit breaker up to 250 amps.



## SubFeed Breakers <sup>1,2</sup>

Breaker Type	No. of Poles	Amp Rating	Max. Interrupting Rating (kA)		
			240V Max	480Y/277V	600Y/347V
ED2	2, 3	15-100	10	—	—
ED4	2, 3	15-125	65	18	—
ED6	2, 3	15-125	65	25	18
HED4	2, 3	15-125	100	42	—
QJ2	2, 3	60-225	10	—	—
QJH2	2, 3	60-225	22	—	—
QJ2-H	2, 3	60-225	42	—	—
FXD6, FD6	2, 3	70-250	65	35	18
HFD6, HFXD6	2, 3	70-250	100	65	25

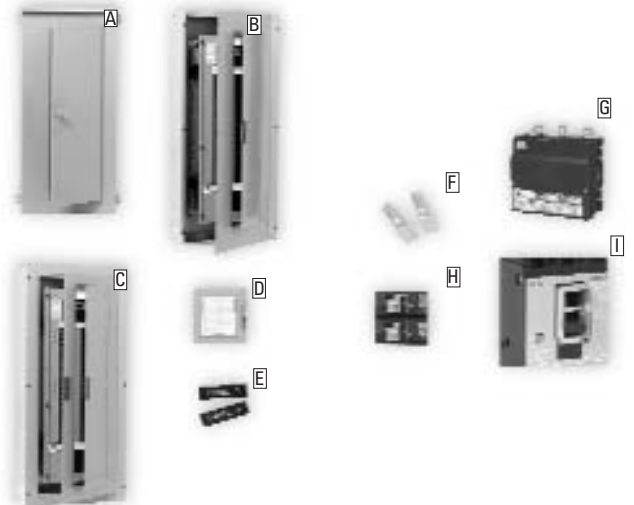
<sup>1</sup> Please consult CSA, CEC, and local inspection authorities for specification and installation guidelines.

<sup>2</sup> No increase in box height. Space is already built into P1 panel.

## Modifications

**When required, special constructions or additions to standard panelboards may be specified for factory-assembled panelboards.**

- |   |  |
|---|--|
| <p><b>A</b> Type 3R/12<br/>Gasketed Trim<br/>Painted Box</p> <p><b>B</b> Hinged Front</p> <p><b>C</b> Door in Door Front</p> <p><b>D</b> Metal Card Holder<br/>Lock</p> <p><b>E</b> Nameplate<br/>Aluminum Equipment Ground Bar<br/>Copper Equipment Ground Bar<br/>Insulated Equipment Ground<br/>Feed-Thru Lugs</p> | <p><b>F</b> Compression Lugs<br/>Copper Lugs<br/>200% Neutral<br/>Copper Main Bus</p> <p><b>G</b> Remote Control Switch<br/>Time Clock<br/>Circuit Breaker Shunt Trip<br/>TVSS Module</p> <p><b>H</b> Handle Blocking Device</p> <p><b>I</b> Padlocking Device</p> |
|---|--|



\* IR Rating will depend on the type of main breaker applied or if main breaker is "Series Rated" with an up stream protective device (circuit breaker or fuse).

## Siemens Panelboards

# Factory Assembled Panelboards

## Selection & Application

### Type P1

When required, special construction or additions to standard panelboards may be specified for all **Factory-Assembled** Lighting and Distribution Panelboards. Listed below are many of those available for P1 panelboards. In no case do these apply to **Narrow** (Column) Width Lighting Panelboards or **Unassembled** Panelboards.

#### 1. Miscellaneous

200% Capacity Neutral*
Copper Branch Neutral Lugs
Copper Main Lugs 125A
Copper Main Lugs 250A
Compression Lugs

#### 2. Gasketed — (No Knockouts)

Type 1 Gasketed (Gasket Between Box and Trim).

#### 3. Painted Boxes

Standard Colour (ASA61) – Box only.

#### 4. Special Front and Door Arrangements

See items B and D (page 13) for standard front modifications. Consult local sales office for others.

#### 5. Front and Door Accessories

Please see page 12.

#### 6. Service Entrance Label

Type P1 Panelboards are factory labeled suitable for use as service entrance equipment.

For regulations governing this feature, please consult CEC, CSA, or local electrical authorities.

#### 7. Grounding of Panelboards

(Add to Base Price)

Ground Bars are shipped with the panel interior factory mounted.

- Non-Insulated Equipment Ground Bar – Standard. EGK
- Copper Non-Insulated Ground Bar. ECGK
- Al Insulated Equipment Ground Bar. IGK
- Cu Insulated Equipment Ground Bar. ICGK

#### 8. Feed-Thru Lugs

Cannot be used in conjunction with TVSS or sub-feed breakers.

Amp Rating	Type	Connector Cu/Al range
250	Al Lay-in Mechanical	(1) #6 AWG- (1) 350 Kcmil
	Cu Lay-in Mechanical	(1) #6 AWG (1) 350 Kcmil
	Al Compression	(1) #6 AWG (1) 350 Kcmil
400	Al Mechanical	(2) 3/0 AWG (1) 600 Kcmil

#### 9. Circuit Breaker Accessories

For detailed information please consult the SpeedFax Catalogue.

#### 10. Main Bus

Standard main bus is tin plated aluminum. Copper main bus is optional. Includes copper neutral cross bar. For copper neutral branch lugs, see miscellaneous.

#### 11. Shunt Trip on Main or Branch

BL, BLH, HBL, BQD6, as branch only. BL, BLH, HBL uses 1" unit space for shunt trip. All others may be used on mains or sub-feeds

QJ2, QJ2-H, QJH2, ED2, ED4, ED6, HED4
FD6, FXD6, HFD6, JXD6, JD6, HJD6, HHJD6

#### 12. Remote control switches

600 Vac Max. mounted in a 23"H enclosure to be cable connected to the panel.

#### 13. Time Clocks

Mounted in a 23"H enclosure to be cable connected to the panel.

Sangamo, Tork or Paragon time clock can be supplied and mounted in panelboard cabinet.

Description: Time Clock (1- or 2-pole, Single or Double Throw Contacts; 3-pole, Single Throw) 277V Maximum with Plain Dial

Add for -

- Astronomical Dial
- An Omitting Device
- Reserve Power or Carryover

Space and Mounting Provisions Only

\* Compression lugs not available with 200% neutral

# Factory Assembled Panelboards

## Modifications and Additions

### Compression Lugs

Panel Type	Style	Amp Rating	Breaker Type	Compression Connectors	Box Height Addition
P1	MLO	250	N/A	(1)#4 AWG - 350 Kcmil	None
	Feed-Thru	400	N/A	(1)250-600 Kcmil or (2)#3/0 AWG - 250 Kcmil	None
	Main Breaker	100	ED4, ED6, HED4	(1)#12-1/0 AWG	24"W Box
		225	QJ2, QJH2, QJ2H	(1)#6 AWG - 350 Kcmil Cu or Al	24"W Box for all breakers.
		250	FD6, FXD6, HFD6	(1)#6 AWG - 350 Kcmil Cu or Al	24"W Box for all breakers.

24" box available, please consult your local Siemens representative for details & additional cost.

### Enclosure Modifications

#### NEMA-4 For Type P1

Water Tight, Dust Tight Steel Enclosure (consult plant for actual enclosure size)

Box Height (in)	Enclosure Size		
	H	W	D
32	36	24	8
38	42	30	8
44	48	36	8
56	60	36	8
62	66	36	10
68	72	36	10

#### NEMA-4X For Type P1

Water Tight, Dust Tight and Corrosion Resistant (consult plant for actual enclosure size)

Box Height (in.)	Enclosure - Stainless Steel & Steel with Epoxy Coating			Enclosure - Fiberglass Size (in.)		
	H	W	D	H	W	D
32	36	24	8	36	24	8
38	48	36	8	48	36	12
44	48	36	8	48	36	12
56	60	36	12	60	36	12
62	66	36	12	66	36	12
68	72	36	12	72	36	12

#### Additional Enclosure Modifications

Description
Strip Heaters
Humidstat control
Thermostat control

### Remote Switch Modifications

#### Application

Panel Type	Switch Type	Modification
P1	920	Mounts in 23"H relay cabinet as a main only
	911	150 AMPS MAX. mounts in 23"H relay cabinet as a main only
	CLH	30A mounts in 23"H relay cabinet as a main only

#### Control Power Transformer

Size	VA
0,1	50
2	75
3	150
4	250

#### Remote Control Switch Modification

Description
Separate Door in Dead Front Over Switch
Auxiliary Contacts (Mounted Not Wired) Ea.
2-Wire Control

### Siemens Panelboards



# P1 Dimensions and Weights

Type P1

## Main Breaker Gutter Dimensions

Main Breaker	Side Gutter	Neutral Location
	20" w/box	20" w/box
BL, BLH, HBL, BQD6	8.500"	11.500"
ED2, ED4, ED6, HED4	6.125"	11.500"
QJ2, QJH2, QJ2-H	6.500"	11.500"
FD6, FXD6, HFD6	5.250"	11.500"
JD6 <sup>1</sup> , JXD6 <sup>1</sup>	15.000"	26.750"

## Side Gutter Wiring Space

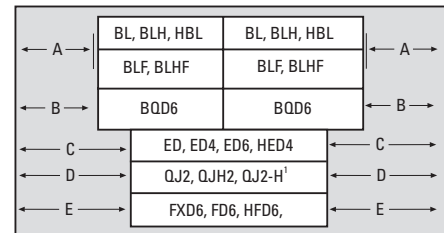
Reference Letter	Panel Width 20"
A	6.375"
B	5.500"
C	6.125"
D <sup>2</sup>	6.500"
E	5.250"

## Main Lug End Gutter Dimensions

Amp Rating	End Gutter	Neutral Location
	20" w/box	20" w/box
125	10.500"	11.500"
250	10.500"	11.500"
400	25.500"	26.750"

Note: Feed-thru lug and neutral wire bending space is 15.000" and 16.250" respectively on 400A panel.

## Breaker Side Gutters



## Pressure Wire Connectors

Breaker Type	Amp Rating	Line Connectors	
		Al Wire	Cu Wire
BL, BLH, HBL, BQD6	15-20	(1) #12-#8 AWG	(1) #14-#8 AWG
	25-35	(1) #8-#4 AWG	(1) #8-#6 AWG
	40-50	(1) #8-#4 AWG	(1) #8-#6 AWG
	55-70	(1) #8-#2 AWG	(1) #8-#4 AWG
	80-100	(1) #2-#1/0 AWG	(1) #4-#1/0 AWG
QJ2, QJH2, QJ2-H	60-225	(1) #4 AWG-#300 Kcmil	(1) #6 AWG-#300 Kcmil
ED2, ED4, ED6, HED4	15-20	(1) #12-#10 AWG	(1) #14-#10 AWG
	25	(1) #10 AWG	(1) #10 AWG
	30-100	(1) #10-#1/0 AWG	(1) #10-#1/0 AWG
	110-125	(1) #2/0-1	(1) #3/0-3
FXD6, FD6, HFD6	70-250	(1) #4 AWG-350 Kcmil	(1) #6 AWG-350 Kcmil
JXD6, JD6, HJD6, HHJD6	200-400	(2) 4/0-500 Kcmil	(2) 3/0-500 Kcmil

## P1 Panelboard Dimensions Approximate Weight

Max. Amps	Max. No. of Circuits	Unit Space (in.)	Box Height (in.)	Approximate Weight
100	18	9	32	105 lbs.
	30	15	38	120 lbs.
	42	21	44	135 lbs.
125	18	9	32	110 lbs.
	30	15	38	125 lbs.
	42	21	44	140 lbs.
225	18	9	32	110 lbs.
	30	15	38	125 lbs.
	42	21	44	140 lbs.
250	18	9	32	115 lbs.
	30	15	38	130 lbs.
	42	21	44	145 lbs.
400	18	9	56	135 lbs.
	30	15	62	150 lbs.
	42	21	68	165 lbs.

<sup>1</sup> 400A Main breaker is vertical mounted

<sup>2</sup> P1 Panel limited to (1) sub-feed 250 amperes max.

Siemens Panelboards

# Cross Reference

Main Amp Rating	Main Breaker		Mounting Kit	Convertible Mains	Front		Box	Main Lugs		Mounting Kit	Convertible Mains
	Old Factory Assembled No.	New Factory Assembled No.			Surface	Flush		Old Factory Assembled No.	New Factory Assembled No.		
<b>1 Phase 3 Wire – 120/240V</b>											
100	SI18BL100A SI18BL100C SI30BL100A SI30BL100C SI42BL100A SI42BL100C	PI18BL100A PI18BL100C PIA30BL100A PIA30BL100C PIA42BL100A PIA42BL100C	MBKBL1 MBKBL1 MBKBL1 MBKBL1 MBKBL1 MBKBL1	P1A18MC250A P1A18MC250C P1A30MC250A P1A30MC250C P1A42MC250A P1A42MC250C	S32B S32B S38B S38B S44B S44B	F32B F32B F38B F38B F44B F44B	B32 B32 B38 B38 B44 B44	– – – – – –	– – – – – –	– – – – – –	– – – – – –
125	SI18E4125A SI18E4125C SI30E4125A SI30E4125C SI42E4125A SI42E4125C	PI18E4125A PI18E4125C PIA30E4125A PIA30E4125C PIA42E4125A PIA42E4125C	MBKED1 MBKED1 MBKED1 MBKED1 MBKED1 MBKED1	P1A18MC250A P1A18MC250C P1A30MC250A P1A30MC250C P1A42MC250A P1A42MC250C	S32B S32B S38B S38B S44B S44B	F32B F32B F38B F38B F44B F44B	B32 B32 B38 B38 B44 B44	SI18ML125A SI18ML125C SI30ML125A SI30ML125C SI42ML125A SI42ML125C	P1A18ML25A P1A18ML25C P1A30ML25A P1A30ML25C P1A42ML25A P1A42ML25C	MLKA1 MLKA1 MLKA1 MLKA1 MLKA1 MLKA1	P1A18MC125A P1A18MC125C P1A30MC125A P1A30MC125C P1A42MC125A P1A42MC125C
225	SI18QJ225A SI18QJ225C SI30QJ225A SI30QJ225C SI42QJ225A SI42QJ225C	PI18QJ225A PI18QJ225C PIA30QJ225A PIA30QJ225C PIA42QJ225A PIA42QJ225C	MBKQJ1 MBKQJ1 MBKQJ1 MBKQJ1 MBKQJ1 MBKQJ1	P1A18MC250A P1A18MC250C P1A30MC250A P1A30MC250C P1A42MC250A P1A42MC250C	S32B S32B S38B S38B S44B S44B	F32B F32B F38B F38B F44B F44B	B32 B32 B38 B38 B44 B44	– – – – – –	– – – – – –	– – – – – –	– – – – – –
250	SI18FX250A SI18FX250C SI30FX250A SI30FX250C SI42FX250A SI42FX250C	PI18FX250A PI18FX250C PIA30FX250A PIA30FX250C PIA42FX250A PIA42FX250C	MBKFD1 MBKFD1 MBKFD1 MBKFD1 MBKFD1 MBKFD1	P1A18MC250A P1A18MC250C P1A30MC250A P1A30MC250C P1A42MC250A P1A42MC250C	S32B S32B S38B S38B S44B S44B	F32B F32B F38B F38B F44B F44B	B32 B32 B38 B38 B44 B44	SI18ML250A SI18ML250C SI30ML250A SI30ML250C SI42ML250A SI42ML250C	P1A18ML250A P1A18ML250C P1A30ML250A P1A30ML250C P1A42ML250A P1A42ML250C	MLKA1 MLKA1 MLKA1 MLKA1 MLKA1 MLKA1	P1A18MC250A P1A18MC250C P1A30MC250A P1A30MC250C P1A42MC250A P1A42MC250C
400	– – – – SI42JD400A SI42JD400C	PI18JD400A PI18JD400C PIA30JD400A PIA30JD400C PIA42JD400A PIA42JD400C	MBKJD1 MBKJD1 MBKJD1 MBKJD1 MBKJD1 MBKJD1	P1A18MC400A P1A18MC400C P1A30MC400A P1A30MC400C P1A42MC400A P1A42MC400C	S56B S56B S62B S62B S68B S68B	F56B F56B F62B F62B F68B F68B	B56 B56 B62 B62 B68 B68	– – – – SI42ML400A SI42ML400C	P1A18ML400A P1A18ML400C P1A30ML400A P1A30ML400C P1A42ML400A P1A42ML400C	4MLKA1 4MLKA1 4MLKA1 4MLKA1 4MLKA1 4MLKA1	P1A18MC400A P1A18MC400C P1A30MC400A P1A30MC400C P1A42MC400A P1A42MC400C
<b>3 Phase 4 Wire – 208Y/120V</b>											
100	SI18BL100A SI18BL100C SI30BL100A SI30BL100C SI42BL100A SI42BL100C	PI18BL100A PI18BL100C PIA30BL100A PIA30BL100C PIA42BL100A PIA42BL100C	MBKBL3 MBKBL3 MBKBL3 MBKBL3 MBKBL3 MBKBL3	P1C18MC250A P1C18MC250C P1C30MC250A P1C30MC250C P1C42MC250A P1C42MC250C	S32B S32B S38B S38B S44B S44B	F32B F32B F38B F38B F44B F44B	B32 B32 B38 B38 B44 B44	– – – – – –	– – – – – –	– – – – – –	– – – – – –
125	SI18E4125A SI18E4125C SI30E4125A SI30E4125C SI42E4125A SI42E4125C	PI18E4125A PI18E4125C PIA30E4125A PIA30E4125C PIA42E4125A PIA42E4125C	MBKED3 MBKED3 MBKED3 MBKED3 MBKED3 MBKED3	P1C18MC250A P1C18MC250C P1C30MC250A P1C30MC250C P1C42MC250A P1C42MC250C	S32B S32B S38B S38B S44B S44B	F32B F32B F38B F38B F44B F44B	B32 B32 B38 B38 B44 B44	SI18ML125A SI18ML125C SI30ML125A SI30ML125C SI42ML125A SI42ML125C	P1C18ML25A P1C18ML25C P1C30ML25A P1C30ML25C P1C42ML25A P1C42ML25C	MLKA3 MLKA3 MLKA3 MLKA3 MLKA3 MLKA3	P1C18MC125A P1C18MC125C P1C30MC125A P1C30MC125C P1C42MC125A P1C42MC125C
225	SI18QJ225A SI18QJ225C SI30QJ225A SI30QJ225C SI42QJ225A SI42QJ225C	PI18QJ225A PI18QJ225C PIA30QJ225A PIA30QJ225C PIA42QJ225A PIA42QJ225C	MBKQJ3 MBKQJ3 MBKQJ3 MBKQJ3 MBKQJ3 MBKQJ3	P1C18MC250A P1C18MC250C P1C30MC250A P1C30MC250C P1C42MC250A P1C42MC250C	S32B S32B S38B S38B S44B S44B	F32B F32B F38B F38B F44B F44B	B32 B32 B38 B38 B44 B44	– – – – – –	– – – – – –	– – – – – –	– – – – – –
250	SI18FX250A SI18FX250C SI30FX250A SI30FX250C SI42FX250A SI42FX250C	PI18FX250A PI18FX250C PIA30FX250A PIA30FX250C PIA42FX250A PIA42FX250C	MBKFD3 MBKFD3 MBKFD3 MBKFD3 MBKFD3 MBKFD3	P1C18MC250A P1C18MC250C P1C30MC250A P1C30MC250C P1C42MC250A P1C42MC250C	S32B S32B S38B S38B S44B S44B	F32B F32B F38B F38B F44B F44B	B32 B32 B38 B38 B44 B44	SI18ML250A SI18ML250C SI30ML250A SI30ML250C SI42ML250A SI42ML250C	P1C18ML250A P1C18ML250C P1C30ML250A P1C30ML250C P1C42ML250A P1C42ML250C	MLKA3 MLKA3 MLKA3 MLKA3 MLKA3 MLKA3	P1C18MC250A P1C18MC250C P1C30MC250A P1C30MC250C P1C42MC250A P1C42MC250C
400	– – – – SI42JD400A SI42JD400C	PI18JD400A PI18JD400C PIA30JD400A PIA30JD400C PIA42JD400A PIA42JD400C	MBKJD3 MBKJD3 MBKJD3 MBKJD3 MBKJD3 MBKJD3	P1C18MC400A P1C18MC400C P1C30MC400A P1C30MC400C P1C42MC400A P1C42MC400C	S56B S56B S62B S62B S68B S68B	F56B F56B F62B F62B F68B F68B	B56 B56 B62 B62 B68 B68	– – – – SI42ML400A SI42ML400C	P1C18ML400A P1C18ML400C P1C30ML400A P1C30ML400C P1C42ML400A P1C42ML400C	4MLKA3 4MLKA3 4MLKA3 4MLKA3 4MLKA3 4MLKA3	P1C18MC400A P1C18MC400C P1C30MC400A P1C30MC400C P1C42MC400A P1C42MC400C
<b>3 Phase 4 Wire – 600Y/347V</b>											
100	S2L18BD100A S2L18BD100C S2L30BD100A S2L30BD100C S2L42BD100A S2L42BD100C	PI18BD100A PI18BD100C PIA30BD100A PIA30BD100C PIA42BD100A PIA42BD100C	MBKBC3 MBKBC3 MBKBC3 MBKBC3 MBKBC3 MBKBC3	P1L18MC250A P1L18MC250C P1L30MC250A P1L30MC250C P1L42MC250A P1L42MC250C	S32B S32B S38B S38B S44B S44B	F32B F32B F38B F38B F44B F44B	B32 B32 B38 B38 B44 B44	– – – – – –	– – – – – –	– – – – – –	– – – – – –
125	S2L18E6125A S2L18E6125C S2L30E6125A S2L30E6125C S2L42E6125A S2L42E6125C	PI18E6125A PI18E6125C PIA30E6125A PIA30E6125C PIA42E6125A PIA42E6125C	MBKED3 MBKED3 MBKED3 MBKED3 MBKED3 MBKED3	P1L18MC250A P1L18MC250C P1L30MC250A P1L30MC250C P1L42MC250A P1L42MC250C	S32B S32B S38B S38B S44B S44B	F32B F32B F38B F38B F44B F44B	B32 B32 B38 B38 B44 B44	S2L18ML125A S2L18ML125C S2L30ML125A S2L30ML125C S2L42ML125A S2L42ML125C	P1L18ML25A P1L18ML25C P1L30ML25A P1L30ML25C P1L42ML25A P1L42ML25C	MLKA3 MLKA3 MLKA3 MLKA3 MLKA3 MLKA3	P1L18MC125A P1L18MC125C P1L30MC125A P1L30MC125C P1L42MC125A P1L42MC125C
250	S2L18FD250A S2L18FD250C S2L30FD250A S2L30FD250C S2L42FD250A S2L42FD250C	PI18FD250A PI18FD250C PIA30FD250A PIA30FD250C PIA42FD250A PIA42FD250C	MBKFD3 MBKFD3 MBKFD3 MBKFD3 MBKFD3 MBKFD3	P1L18MC250A P1L18MC250C P1L30MC250A P1L30MC250C P1L42MC250A P1L42MC250C	S32B S32B S38B S38B S44B S44B	F32B F32B F38B F38B F44B F44B	B32 B32 B38 B38 B44 B44	S2L18ML250A S2L18ML250C S2L30ML250A S2L30ML250C S2L42ML250A S2L42ML250C	P1L18ML250A P1L18ML250C P1L30ML250A P1L30ML250C P1L42ML250A P1L42ML250C	MLKA3 MLKA3 MLKA3 MLKA3 MLKA3 MLKA3	P1L18MC250A P1L18MC250C P1L30MC250A P1L30MC250C P1L42MC250A P1L42MC250C
400	– – – – S2L42JD400A S2L42JD400C	PI18JD400A PI18JD400C PIA30JD400A PIA30JD400C PIA42JD400A PIA42JD400C	MBKJD3 MBKJD3 MBKJD3 MBKJD3 MBKJD3 MBKJD3	P1L18MC400A P1L18MC400C P1L30MC400A P1L30MC400C P1L42MC400A P1L42MC400C	S56B S56B S62B S62B S68B S68B	F56B F56B F62B F62B F68B F68B	B56 B56 B62 B62 B68 B68	– – – – S2L42ML400A S2L42ML400C	P1L18ML400A P1L18ML400C P1L30ML400A P1L30ML400C P1L42ML400A P1L42ML400C	4MLKA3 4MLKA3 4MLKA3 4MLKA3 4MLKA3 4MLKA3	P1L18MC400A P1L18MC400C P1L30MC400A P1L30MC400C P1L42MC400A P1L42MC400C



Hinged Front



Type 3R/12 Gasketed Trim, Painted Box

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