

Panelboards

Distributor Stock

Selection

Pricing An Unassembled Panel

400A Max. — 20" Wide x 5.75" Deep

1. Choose the appropriate Interior from the table below.
2. Choose and price the Main Device: Main Lugs from pages 11-11, Main Breaker Kit from page 11-13 and Main Breakers from Section 7.

3. Choose and price Branch Breakers. BL, BQD and NGB breakers from Section 7.
4. Choose and price Feed-Thru Lugs or Subfeed Breaker Feed-Thru Lugs from page 11-11, Subfeed Breaker Kit from page 11-11, and Subfeed Breaker from Section 7.

Type P1 Unassembled Panelboards

| Interiors Only—Less Branch Breakers | | | Boxes | | | Fronts | |
|---|---------------------|-------------|--------------------|--------|----------------------------|------------------|-------|
| Amperes Rating Mains | Max. No of Poles | Interiors | Height (inches) | Type 1 | Type 3R/12 ^① | Surface | Flush |
| Convertible Mains — 1-Phase, 3-Wire | | | | | | 120/240V | |
| 250 | 18 | P1A18MC250A | 32 | B32 | WP32 | S32B | F32B |
| | 30 | P1A30MC250A | 38 | B38 | WP38 | S38B | F38B |
| | 42 | P1A42MC250A | 44 | B44 | WP44 | S44B | F44B |
| 400 | 18 | P1A18MC400A | 56 | B56 | WP56 | S56B | F56B |
| | 30 | P1A30MC400A | 62 | B62 | WP62 | S62B | F62B |
| | 42 | P1A42MC400A | 68 | B68 | WP68 | S68B | F68B |
| 250 | 18 | P1A18MC250C | 32 | B32 | WP32 | S32B | F32B |
| | 30 | P1A30MC250C | 38 | B38 | WP38 | S38B | F38B |
| | 42 | P1A42MC250C | 44 | B44 | WP44 | S44B | F44B |
| 400 | 18 | P1A18MC400C | 56 | B56 | WP56 | S56B | F56B |
| | 30 | P1A30MC400C | 62 | B62 | WP62 | S62B | F62B |
| | 42 | P1A42MC400C | 68 | B68 | WP68 | S68B | F68B |
| Convertible Mains — 3-Phase, 4-Wire | | | | | | 208Y/120V | |
| 250 | 18 | P1X18MC250A | 32 | B32 | WP32 | S32B | F32B |
| | 30 | P1X30MC250A | 38 | B38 | WP38 | S38B | F38B |
| | 42 | P1X42MC250A | 44 | B44 | WP44 | S44B | F44B |
| 400 | 18 | P1X18MC400A | 56 | B56 | WP56 | S56B | F56B |
| | 30 | P1X30MC400A | 62 | B62 | WP62 | S62B | F62B |
| | 42 | P1X42MC400A | 68 | B68 | WP68 | S68B | F68B |
| 250 | 18 | P1X18MC250C | 32 | B32 | WP32 | S32B | F32B |
| | 30 | P1X30MC250C | 38 | B38 | WP38 | S38B | F38B |
| | 42 | P1X42MC250C | 44 | B44 | WP44 | S44B | F44B |
| 400 | 18 | P1X18MC400C | 56 | B56 | WP56 | S56B | F56B |
| | 30 | P1X30MC400C | 62 | B62 | WP62 | S62B | F62B |
| | 42 | P1X42MC400C | 68 | B68 | WP68 | S68B | F68B |
| Convertible Mains — 3-Phase, 4-Wire | | | | | | 480Y/277V | |
| 250 | 18 | P1E18MC250A | 32 | B32 | WP32 | S32B | F32B |
| | 30 | P1E30MC250A | 38 | B38 | WP38 | S38B | F38B |
| | 42 | P1E42MC250A | 44 | B44 | WP44 | S44B | F44B |
| 400 | 18 | P1E18MC400A | 46 | B56 | WP56 | S56B | F56B |
| | 30 | P1E30MC400A | 62 | B62 | WP62 | S62B | F62B |
| | 42 | P1E42MC400A | 68 | B68 | WP68 | S68B | F68B |
| 250 | 18 | P1E18MC250C | 32 | B32 | WP32 | S32B | F32B |
| | 30 | P1E30MC250C | 38 | B38 | WP38 | S38B | F38B |
| | 42 | P1E42MC250C | 44 | B44 | WP44 | S44B | F44B |
| 400 | 18 | P1E18MC400C | 56 | B56 | WP56 | S56B | F56B |
| | 30 | P1E30MC400C | 62 | B62 | WP62 | S62B | F62B |
| | 42 | P1E42MC400C | 68 | B68 | WP68 | S68B | F68B |
| Interiors for NGB Breakers — 3-Phase, 4-Wire | | | | | | 480Y/277V | |
| 250 | 18 | P1718MC250A | 32 | B32 | WP32 | S32B | F32B |
| | 30 | P1730MC250A | 38 | B38 | WP38 | S38B | F38B |
| | 42 | P1742MC250A | 44 | B44 | WP44 | S44B | F44B |
| 400 | 18 | P1718MC400A | 46 | B56 | WP56 | S56B | F56B |
| | 30 | P1730MC400A | 62 | B62 | WP62 | S62B | F62B |
| | 42 | P1742MC400A | 68 | B68 | WP68 | S68B | F68B |
| 250 | 18 | P1718MC250C | 32 | B32 | WP32 | S32B | F32B |
| | 30 | P1730MC250C | 38 | B38 | WP38 | S38B | F38B |
| | 42 | P1742MC250C | 44 | B44 | WP44 | S44B | F44B |
| 400 | 18 | P1718MC400C | 56 | B56 | WP56 | S56B | F56B |
| | 30 | P1730MC400C | 62 | B62 | WP62 | S62B | F62B |
| | 42 | P1742MC400C | 68 | B68 | WP68 | S68B | F68B |

① Front included in NEMA 3R Box.



Panelboards

• Revised •
07/25/13

Type 1 P1 Panelboard Modifications and Additions

Selection

Enclosures

| Description |
|--|
| 6" end gutter 2" side gutter Barrier in gutter (add to extra gutter price – min 4" required) 24" wide |
| Hinged trims Piano hinged trims Door-in-door trims Screw to the box trims |
| Trim mounted devices See page 11-80 <ul style="list-style-type: none"> • Pilot lights • Toggle switches • Push buttons (Devices mounted to be wired to the trim should also have hinged trim specified) |
| Painted boxes See page 11-80 Custom colors See painted boxes Increase gauge trims and boxes See page 11-80 Stainless steel trims and boxes, Type 1 See page 11-80 |

Meters

(Contact sales for pricing and application engineering for space requirements)

Panel Skirts

See page 11-81

Special Locks

| |
|---|
| TEY TEU1 Cat 60 LL803 LL806 Yale 47 (NYC) National C413A Best Lock 7-pin tumbler Southco 1/4 Fastener Corbin 1001 FAB7 |
|---|

Panel Modifications

| Catalog No. Addition | Main Bus | Amp Ratings |
|----------------------|--------------------|-------------|
| C | Copper (tin pltd.) | 125A |
| C | Copper (tin pltd.) | 250A |
| C | Copper (tin pltd.) | 400A |

* "C" represents "A" in the 11th digit of the catalog number.

Branch and Main Breaker and Accessories

See breaker section for pricing on the following options

- Handle blocks
- Handle locks
- Aux. Contacts^①
- UVR^②

Bus mounted SPD see section 10 Service Entrance Label

Type P1 Panelboards are factory labeled suitable for use as service entrance equipment when NEC requirements are met. A panelboard cannot have more than six main disconnects, unless it is a lighting and appliance branch panelboard. Lighting and appliance branch panelboards are limited to two main disconnects.

^① Accessories on 1" pole breakers (BL, BQD, ED) will take unit space.

Panel Modifications (cont.)

Grounding of Panelboards

Ground Bars except for brazed to box are shipped with the panel interior factory mounted.

- Non-Insulated Equipment Ground Bar
- Copper Non-Insulated Ground Bar
- Al Insulated Equipment Ground Bar
- Cu Insulated Equipment Ground Bar
- Ground Bar Brazed to Box (not recommended for painted boxes)

Shunt Trip on Main or Branch

BL, BLH, HBL, BQD as branch only.
BL, BLH, HBL, NGB, ED4, ED6, HED4, HED6, HHED6 uses 1" unit space for shunt trip as a branch device. All others may be used on mains or subfeeds. See breaker section for list price adders.

Time Clocks

Time clocks may be mounted in a 23" enclosure to be cable connected to the panel. Sangamo, Tork or Paragon time clock can be supplied.

| Description |
|--|
| Time Clock (1 or 2-pole, single or double throw contacts; 3-pole, single throw) 277V maximum with plain dial |
| Astronomical dial |
| An omitting device |
| Reserve power or carryover |
| Space and mounting provisions only |

Remote Switches Modifications (See page 11-79)

Remote Control Switches

480V AC max. mounted in a 23" enclosure to be cable connected to the panel.

Application for Remote Switch

| Switch Type | Modification |
|-------------|--|
| 920 | Mounts in 23" relay cabinet as a main only |
| LEN | 30A mounts in 23" relay cabinet as a main only |

Feed-Thru Lugs

Cannot be used in conduction with SPD or subfeed breakers

| Ampere Rating | Type | Connector Range |
|---------------|--|---|
| 250 | Al/Cu Lay-in Mechanical Cu Lay-in Mechanical Al/Cu Compression | (1)—#6 AWG-350 kcmil (1)—#6 AWG-350 kcmil (1)—#6 AWG-350 kcmil |
| 400 | Al/Cu AWG Mechanical Cu Al/Cu Compression | (2)—#3/0 AWG-250 kcmil or (1)—#3/0 AWG-600 kcmil (2)—#3/0 AWG-250 kcmil or (1)—#3/0 AWG-600 kcmil (1) 400—600 kcmil |

Note: Specify copper or aluminum cable.

Type P1, P2, and P3 Panelboards

Miscellaneous Parts and Accessories

| Catalog Number | Description |
|----------------|---|
| EGK | Al Ground Bus 44 Connections |
| BK1 | Bonding kit for 250A max. and all P1 panels |
| IMK1 | Interior Adjusting Kit |
| 11-1824-01 | Directory Card Holder |
| 12-1110-01 | Directory Card |
| 11-1056-01 | NEMA Instruction Book |
| NBK03 | Number Strips 1–42. Stick-on type; Use w/ P1 series Panels |
| NBK04 | Number Strips 43–84. Stick-on type; Use w/ P1 series Panels |
| NBK05 | Number Strips 85–126. Stick-on type; Use w/ P1 series Panels |
| NBK06 | Number Strips 127–168. Stick-on type; Use w/ P1 series Panels |
| 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) |
| EWK2 | End Wall Kit with Knockouts (24" W x 7.75" DP) |
| QF3 | Filler Plate |
| EBF1 | NEB/HEB Filler Plate |