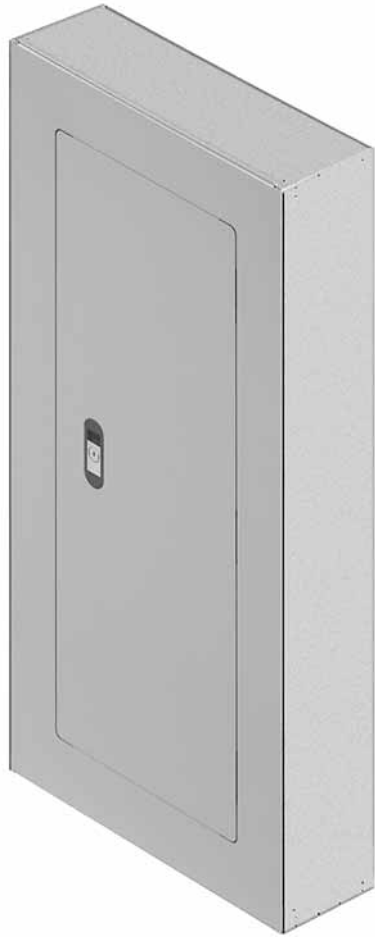


# Lighting and Power Distribution Panelboards



## Specifications

Main Breaker: 400A Maximum  
Main Lugs only: 400A Maximum  
Voltages: 480Y/277V AC Maximum  
250V DC Maximum  
3Ø3W, 3Ø4W,  
1Ø3W, 1Ø2W

**General** — P1 panelboards comply the with following standards:

- NEMA Standards PB-1, 250
- UL Standards
  - Enclosure — UL 50
  - Panelboards — UL 67
- National Electric Code (NFPA 70)
- Federal Specification W-P 115c

**Main Breakers** — BL, BLH, BQD, NGB, FD6, FXD6, HBL, HFD6, HFXD6, HJD6, JD6, JXD6, HJXD6, ED2, ED4, ED6, HED4, HED6, HFXD6, QJ2, QJ2H and QJH2 main breakers are bolted to the busbars.

**Box** — Fabricated from galvanized steel. Removable end walls.

**Bussing** — Main bus is tin plated aluminum temperature rated per UL 67 as a standard. See panel submittals for optional call outs. Branch bus is copper as a standard. Copper bus is available as option.

**Front** — Fabricated from cold rolled steel and equipped with the concealed hinges, flush lock and a holder for directory card. Trim screws are concealed behind a lockable door.

type  
P1

**SIEMENS**

**Breaker Mounting Kit – Main or Subfeed w/o Breaker**

Amp Rating	Breaker Frames	Service	Catalog Number
100	BL, BLH, HBL	1 Phase 3 Phase	<b>MBKBL1</b> <b>MBKBL3</b>
	BQD	3 Phase	<b>MBKBC3</b>
125	NGB	1 Phase 3 Phase	<b>MBKNB1</b> <b>MBKNB3</b>
		1 Phase 3 Phase	<b>MBKED1</b> <b>MBKED3</b>
	ED2, ED4, ED6, HED4, HED6	1 Phase 3 Phase	<b>MBKQJ1</b> <b>MBKQJ3</b>
	QJ2, QJH2, QJ2-H	1 Phase 3 Phase	<b>MBKQJ1</b> <b>MBKQJ3</b>
250	FXD6, FD6, HFD	1 Phase 3 Phase	<b>MBKFD1</b> <b>MBKFD3</b>
		1 Phase 3 Phase	<b>MBKFD1</b> <b>MBKFD3</b>
400 ①	JD2, JD6, JXD6, HJD6, HJXD6	1 Phase 3 Phase	<b>MBKJD1</b> <b>MBKJD3</b>
		1 Phase 3 Phase	<b>MBKJD1</b> <b>MBKJD3</b>

**Lug Kits – Main or Feed-thru**

Amp Rating	Material	Wire Range	Service	Catalog Number
250	Al	(1) #6 AWG-350 Kcmil (Cu or Al)	1 Phase 3 Phase	<b>MLKA1</b> <b>MLKA3</b>
		(1) #6 AWG-350 Kcmil (Cu or Al)	1 Phase 3 Phase	<b>MLKC1</b> <b>MLKC3</b>
	Cu	(1) #6 AWG-350 Kcmil (Cu or Al)	1 Phase 3 Phase	<b>MLKA1</b> <b>MLKA3</b>
		(1) #6 AWG-350 Kcmil (Cu or Al)	1 Phase 3 Phase	<b>MLKC1</b> <b>MLKC3</b>
400	Al	(2) 3/0 - (1) 600 Kcmil	1 Phase 3 Phase	<b>4MLKA1</b> <b>4MLKA3</b>
		(2) 3/0 - (1) 600 Kcmil	1 Phase 3 Phase	<b>4MLKA1</b> <b>4MLKA3</b>
	Cu	(2) 3/0 - (1) 600 Kcmil	1 Phase 3 Phase	<b>4MLKC1</b> <b>4MLKC3</b>
		(2) 3/0 - (1) 600 Kcmil	1 Phase 3 Phase	<b>4MLKC1</b> <b>4MLKC3</b>

**Branch Circuit Breakers**

Max. Amp Rating	Breaker Type	No. of Poles	Amp Rating	Maximum Interrupting Rating (kA)							DC	Load Connectors	
				Volts – AC									
				120	120/240	240	277	480	600	250			
100	BL	1	15 - 70	10	—	—	—	—	—	—	15-20A #14-#10 AWG Cu #12-#10 AWG Al 25-35A #8-#6 AWG Cu #8-#6 AWG Al 40-50A #8-#6 AWG Cu #8-#4 AWG Al 55-70A #8-#4 AWG Cu #8-#2 AWG Al 80-100A #4-#1/0 AWG Cu #2-#1/0 AWG Al		
		2	15 - 100	—	10	—	—	—	—	—			
		3	15 - 100	—	—	10	—	—	—	—			
	BL HID	1	15 - 30	10	—	—	—	—	—	—			
		2	15 - 30	—	10	—	—	—	—	—			
	BLR	2	15 - 100	—	—	10	—	—	—	—			
	BLE	1	15 - 30	10	—	—	—	—	—	—			
		2	15 - 60	—	10	—	—	—	—	—			
	BLEH	1	15 - 30	22	—	—	—	—	—	—			
		2	15 - 60	—	22	—	—	—	—	—			
	BLF	1	15 - 30	10	—	—	—	—	—	—			
		2	15 - 60	—	10	—	—	—	—	—			
	BLHF	1	15 - 30	22	—	—	—	—	—	—			
		3	15 - 60	—	22	—	—	—	—	—			
		3	15 - 60	—	22	—	—	—	—	—			
	BGL ②	2	15 - 30	10	—	—	—	—	—	—			
		3	15 - 30	—	10	—	—	—	—	—			
	BAF	1	15, 20	10	—	—	—	—	—	—			
1		15, 20	22	—	—	—	—	—	—				
BLH	1	15 - 70	—	22	—	—	—	—	—				
	2	15 - 100	—	22	—	—	—	—	—				
	3	15 - 100	—	—	22	—	—	—	—				
HBL	1	15 - 70	—	65	—	—	—	—	—				
	2	15 - 100	—	65	—	—	—	—	—				
	3	15 - 100	—	—	65	—	—	—	—				
BQD	1	—	—	65	—	14	—	—	14				
	2	15 - 100	—	65	—	—	14	—	14				
	3	—	—	—	65	—	14	—	14				
125	NGB ③	1	—	100	—	—	25	—	—	14			
		2	15 - 125	—	100	100	—	25	—	—			
		3	—	—	100	100	—	25	—	—			

① Main Only

② Two pole breaker is one phase and neutral. Three pole is two phase and neutral.

③ P1 panel with NGB branch devices will not accept BL or BQD frames in the same panel as branch devices.

**NOTE:** BL, HBL, BLH and BQD breakers are mounted in common mountings in 3" or (6) pole increments.

**200% Neutral Lug Kits – 250A**

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

**200% Neutral Lug Kits – 400A**

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

**Copper Neutral Lug Kits – 250A and 400A**

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