Typical Catalog Numbers

Type P1 Panelboards

Shown with Standard Mains, Top Fed and Surface Trim
Catalog number is for aluminum main bus. For optional copper main bus change "A" in position 11 to "C".

Panels are top feed, surface mounted. For bottom feed, change "T" in position 12 to "B". For flush mounting, change "S" in position 13 to "F".

Replace fifth and sixth position in panelboard catalog number, with alternate main breaker code.

Note: Original P1 was produced until 2015 and in January the revised P1 was introduced. All interior numbers that end with "T" or "N" are the new Revised interiors. T" at end of catalog number indicates there is a Subfeed area available. "N" at end of catalog number indicates there is no Subfeed area available.

Table P1-16 – Main Lugs Only

Main Lug Only			Original P1 – Subfeed Space	Revised P1 – Subfeed Space [1, 3]	Original P1 – Subfeed Space	Revised P1 – Subfeed Space [1, 3]	Original P1 – Subfeed Space	Revised P1 – Subfeed Space [1, 3, 4]
Max Panel Amp Rating	Max 1-Pole Circuits	Box Height (in.)	208Y/120V 3-Phase 4-Wire Catalog #	208Y/120V 3-Phase 4-Wire Catalog #	120/240V 1-Phase 3-Wire Catalog #	120/240V 1-Phase 3-Wire Catalog #	480Y/277V 3-Phase 4-Wire Catalog #	480Y/277V 3-Phase 4-Wire Catalog #
125	18	32	P1C18ML125ATS	P1C18ML125ATST	P1A18ML125ATS	P1A18ML125ATST	P1E18ML125ATS	P1E18ML125ATST
	30	38	P1C30ML125ATS	P1C30ML125ATST	P1A30ML125ATS	P1A30ML125ATST	P1E30ML125ATS	P1E30ML125ATST
	42	44	P1C42ML125ATS	P1C42ML125ATST	P1A42ML125ATS	P1A42ML125ATST	P1E42ML125ATS	P1E42ML125ATST
	54	50	N/A	P1C54ML125ATST	N/A	P1A54ML125ATST	N/A	P1E54ML125ATST
	66	56	N/A	P1C66ML125ATST	N/A	P1A66ML125ATST	N/A	P1E66ML125ATST
250	18	32	P1C18ML250ATS	P1C18ML250ATST	P1A18ML250ATS	P1A18ML250ATST	P1E18ML250ATS	P1E18ML250ATST
	30	38	P1C30ML250ATS	P1C30ML250ATST	P1A30ML250ATS	P1A30ML250ATST	P1E30ML250ATS	P1E30ML250ATST
	42	44	P1C42ML250ATS	P1C42ML250ATST	P1A42ML250ATS	P1A42ML250ATST	P1E42ML250ATS	P1E42ML250ATST
	54	50	N/A	P1C54ML250ATST	N/A	P1A54ML250ATST	N/A	P1E54ML250ATST
	66	56	N/A	P1C66ML250ATST	N/A	P1A66ML250ATST	N/A	P1E66ML250ATST
400	18	56	P1C18ML400ATS	–	P1A18ML400ATS	–	P1E18ML400ATS	–
	30	62	P1C30ML400ATS	P1C30ML400ATST	P1A30ML400ATS	P1A30ML400ATST	P1E30ML400ATS	P1E30ML400ATST
	42	68	P1C42ML400ATS	P1C42ML400ATST	P1A42ML400ATS	P1A42ML400ATST	P1E42ML400ATS	P1E42ML400ATST
	54	74	–	P1C54ML400ATST	–	P1A54ML400ATST	–	P1E54ML400ATST
	66 [2]	74 [2]	–	P1C66ML400ATSN [2]	–	P1A66ML400ATSN [2]	–	P1E66ML400ATSN [2]

Table P1-17 – Main Circuit Breaker

100	18	32	P1C18BL100ATS	P1C18BL100ATST	P1A18BL100ATS	P1A18BL100ATST	P1E18BD100ATS	P1E18BD100ATST
	30	38	P1C30BL100ATS	P1C30BL100ATST	P1A30BL100ATS	P1A30BL100ATST	P1E30BD100ATS	P1E30BD100ATST
	42	44	P1C42BL100ATS	P1C42BL100ATST	P1A42BL100ATS	P1A42BL100ATST	P1E42BD100ATS	P1E42BD100ATST
	54	50	–	P1C54BL100ATST	–	P1A54BL100ATST	–	P1E54BD100ATST
	66	56	–	P1C66BL100ATST	–	P1A66BL100ATST	–	P1E66BD100ATST
125 [2]	18	32	P1C18NB125ATS	P1C18NB125ATST	–	–	P1E18NB125ATS	P1E18NB125ATST
	30	38	P1C30NB125ATS	P1C30NB125ATST	–	–	P1E30NB125ATS	P1E30NB125ATST
	42	44	P1C42NB125ATS	P1C42NB125ATST	–	–	P1E42NB125ATS	P1E42NB125ATST
	54	50	–	P1C54NB125ATST	–	–	–	P1E54NB125ATST
	66	56	–	P1C66NB125ATST	–	–	–	P1E66NB125ATST
225	18	32	P1C18QJ225ATS	P1C18QJ225ATST	P1A18QJ225ATS	P1A18QJ225ATST	P1E18FX250ATS	P1E18FX225ATST
	30	38	P1C30QJ225ATS	P1C30QJ225ATST	P1A30QJ225ATS	P1A30QJ225ATST	P1E30FX250ATS	P1E30FX225ATST
	42	44	P1C42QJ225ATS	P1C42QJ225ATST	P1A42QJ225ATS	P1A42QJ225ATST	P1E42FX250ATS	P1E42FX225ATST
	54	50	–	P1C54QJ225ATST	–	P1A54QJ225ATST	–	P1E54FX225ATST
	66	56	–	P1C66QJ225ATST	–	P1A66QJ225ATST	–	P1E66FX225ATST
250	18	32	P1C18FX250ATS	P1C18FX250ATST	P1A18FX250ATS	P1A18FX250ATST	P1E18FX250ATS	P1E18FX250ATST
	30	38	P1C30FX250ATS	P1C30FX250ATST	P1A30FX250ATS	P1A30FX250ATST	P1E30FX250ATS	P1E30FX250ATST
	42	44	P1C42FX250ATS	P1C42FX250ATST	P1A42FX250ATS	P1A42FX250ATST	P1E42FX250ATS	P1E42FX250ATST
	54	50	–	P1C54FX250ATST	–	P1A54FX250ATST	–	P1E54FX250ATST
	66	56	–	P1C66FX250ATST	–	P1A66FX250ATST	–	P1E66FX250ATST
400	18	56	P1C18JX400ATS	–	P1A18JX400ATS	–	P1E18JX400ATS	–
	30	62	P1C30JX400ATS	P1C30JX400ATST	P1A30JX400ATS	P1A30JX400ATST	P1E30JX400ATS	P1E30JX400ATST
	42	68	P1C42JX400ATS	P1C42JX400ATST	P1A42JX400ATS	P1A42JX400ATST	P1E42JX400ATS	P1E42JX400ATST
	54	74	–	P1C54JX400ATST	–	P1A54JX400ATST	–	P1E54JX400ATST
	66 [2]	74 [2]	–	P1C66JX400ATSN [2]	–	P1A66JX400ATSN [2]	–	P1E66JX400ATSN [2]

Table P1-18 – Standard Enclosures

Box Height (in.)	Catalog Number				
	Type 1 Standard Trim				
	Box	Surface	Flush	Type 3R	Type 3R/12
26	B26	S26B	F26B	NR26	WP26
32	B32	S32B	F32B	NR32	WP32
38	B38	S38B	F38B	NR38	WP38
44	B44	S44B	F44B	NR44	WP44
50	B50	S50B	F50B	NR50	WP50
56	B56	S56B	F56B	NR56	WP56
62	B62	S62B	F62B	NR62	WP62
68	B68	S68B	F68B	NR68	WP68
74	B74	S74B	F74B	NR74	WP74

1 For all products without subfeed space - change "T" at end to "N" and reduce box size by 6".

[2] No sub-feed space only for 400A 66 circuit.
[3] BL/BQD/GB type mains are available in main/subfeed space and also can be used as back-fed in unit space. Either two or three positions of unit space are used when back-fed and circuit count is reduced.
[4] xGB interiors are not available as Non-Feed-Thru, without Subfeed Space.

Catalog Numbering System

Revised P1 Panelboards

P	1	C	4	2	F	X	2	5	0	A	T	S	T

Type of Panel
P1

Voltage and System*
C = 208Y/120 3Ø 4 W Wye AC
E = 480Y/277 3Ø 4 W Wye AC
D = 240 3Ø 3 W Delta AC
F = 480 3Ø 3 W Delta AC
A = 120/240 1Ø 3 W Grounded Neutral AC
J = 240 1Ø 2 W No Neutral AC
M = 380/220 3Ø 4 W Wye AC
R = 415/240 3Ø 4 W Wye AC
S = 440/250 3Ø 4 W Wye AC
L = 600/347 3Ø 4 W Wye AC
T = 230 3Ø 3 W Delta AC
U = 120V AC 3Ø3W
K = 220/127 3Ø 4 W Wye AC
*For any voltage system not listed, check with sales for availability.

Circuits
18, 30, 42, 54, 66 (See table P1-3 and P1-5 for options available)
(Back-fed 1-phase will show: 16, 28, 40, 52, 64) (Back-fed 3-phase will show: 15, 27, 39, 51, 63)

Main Lug (ML), Main Breaker
(See Main Breaker Table coding below), Main Switch (MS)

Amperage
100–400A = P1

Bus Code	Bus Material	Bus Plating	P1 [1]
A	Temp rated AL.	Tin-Plated	•
B	750A/sq. in. AL.	Tin-Plated	n/a
C	Temp rated CU.	Tin-Plated	•
E	Temp rated CU.	Silver-Plated	n/a
F	Temp rated CU.	Tin-Plated	n/a
G	1000A/sq. in. CU.	Tin-Plated	n/a
H	1000A/sq. in. CU.	Silver-Plated	n/a

• Indicates default for this bus type.

Feed Location T = Top B = Bottom

Mounting
S = Surface
F = Flush. Flush trims extend 1 1/2" beyond the base box dimensions on P1 panels.

Subfeed Space Indicator (for Revised P1 only) T = Subfeed Space Included N = No Subfeed Space [2]

Main Breaker Coding

Code	Breaker Type	Code	Breaker Type	Code	Breaker Type	Code	Breaker Type	Code	Breaker Type
BL	BL	HB	HBL	J6	JD6	QJ	QJ2	SX	SHJD6
BH	BLH	H4	HED4	JD	JXD2	Q2	QJ2H	SY	SHJD6H
BR	BLR	HF	HFD6	JX	JXD6	QH	QJH2	SJ	SJD6
BQ	BQD	H2	HFXD6	JH	JXD6H	QR	QR2	SH	SJD6H
B6	BQD6	H6	HJD6	L6	LD6	Q4	QRH2	S1	SCLD6
E4	ED4	H5	HJXD6	LX	LXD6	Q5	HQR2	S2	SHLD6
E6	ED6	HL	HLD6	LH	LXD6H	Q6	HQRH	SL	SLD6
FD	FD6	HO	HLXD6	NB	NGB	Q7	QR2-MCS		
FX	FXD6	HP	HLXD6H						
G2	HGB								
G3	LGB								

[1] Standard bussing in P1 panels is tin-plated for aluminum and copper. Standard bus is temperature rated to the maximum amperage in the panel.

[2] Not available for Revised P1 xGB interiors.

Application

Type P1 Panelboards

Table P1-7 – Subfeed Breakers

Breaker Type	Number of Poles	Max. Interrupting Rating (kA)		Available Trip Values
		240V	480Y/277V	
QJ2	2, 3	10	–	60, 70, 80, 90, 100, 110, 125, 150, 175, 200, 225
QJH2	2, 3	22	–	60, 70, 80, 90, 100, 110, 125, 150, 175, 200, 225
QJ2H	2, 3	42	–	60, 70, 80, 90, 100, 110, 125, 150, 175, 200, 225
QR2	2, 3	10	–	100, 110, 125, 150, 175, 200, 225
QRH2	2, 3	25	–	100, 110, 125, 150, 175, 200, 225
HQR2	2, 3	65	–	100, 110, 125, 150, 175, 200, 225
HQR2H	2, 3	100	–	100, 110, 125, 150, 175, 200, 225
ED4	2, 3	65	18	15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 70, 80, 90, 100, 110, 125
ED6	2,3	65	25	15, 20, 25, 30, 35, 40 50, 60, 70, 80, 90, 100, 110, 125
HED4	2, 3	100	42	15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 70, 80, 90, 100, 110, 125
HHED6	2, 3	100	65	15, 20, 25, 30, 35, 40, 45, 50, 60, 70, 80, 90, 100, 110, 125
FXD6	2, 3	65	35	70, 80, 90, 100, 110, 125, 150, 175, 200, 225, 250
FD6	2, 3	65	35	70, 80, 90, 100, 110, 125, 150, 175, 200, 225, 250
HFD6	2, 3	100	65	70, 80, 90, 100, 110, 125, 150, 175, 200, 225, 250
HFXD6	2, 3	100	65	70, 80, 90, 100, 110, 125, 150, 175, 200, 225, 250

Table P1-8 – Breaker Mounting Kit Main or Subfeed Strap Kit w/o Breaker

Amp Rating	Breaker Frames	Service	Original P1 Catalog Number	Revised P1 Catalog Number [2]
100A	BL, BLH, HBL	1 Phase	MBKBL1	MBKBL1A
		3 Phase	MBKBL3	MBKBL3A
100A	BQD	1 Phase	–	MBKBC1NBA
125A	NGB, HGB, LGB	1 Phase	MBKNB1	
100A	BQD	3 Phase	MBKBC3	MBKBC3NBA
125A	NGB, HGB, LGB	3 Phase	MBKNB3	
125A	ED4, ED6, HED4, HHED6	1 Phase	MBKED1	MBKED1A
		3 Phase	MBKED3	MBKED3A
225	QJ2, QJH2, QJ2H	1 Phase	MBKQJ1	MBKQJ1A
		3 Phase	MBKQJ3	MBKQJ3A
225 [3]	QR2, QRH2, HQR2, HQR2H	1 Phase	MBKQR1	MBKQR1A
		3 Phase	MBKQR3	MBKQR3A
250	FXD6, FD6, HFD, HFXD6	1 Phase	MBKFD1	MBKFD1A
		3 Phase	MBKFD3	MBKFD3A
400 [1]	JXD6, JD6	1 Phase	MBKJD1	MBKJD1A
	HJD6, HJXD6	3 Phase	MBKJD3	MBKJD3A

[1] 400 amp kit is for main—only, not allowed for subfeed breaker.

[2] MBKBFA kit is available to mount BL/BQD/xGB 2-pole or 3-pole in unit space as a "Back-Fed Main. This occupies branch space and reduces circuit count by 2 or 3 positions (includes Neutral Lug, "MAIN" label and instructions).

[3] Although QR is rated 250A, it is limited to 225A in panelboards.

Table P1-9 – Lug Kits (Main or Feed-Thru)

Amp Rating	Matl.	Wire Range (includes Neutral)	Service	Original Catalog Number	Revised P1 Catalog Number
250	AL	(1) #6 AWG-350 kcmil (CU or AL)	1 Phase	MLKA1	MLKA1A
			3 Phase	MLKA3	MLKA3A
	CU	(1) #6 AWG-350 kcmil (CU or AL)	1 Phase	MLKC1	MLKC1A
			3 Phase	MLKC3	MLKC3A
400	AL	(2) 1/0 - 250 kcmil or (1) #2 AWG-600 kcmil	1 Phase	4MLKA1	4MLKA1A
			3 Phase	4MLKA3	4MLKA3A
	CU	(2) 1/0 - 4/0 or (1) 1/0 - 600 kcmil	1 Phase	4MLKC1	4MLKC1A
			3 Phase	4MLKC3	4MLKC3A
400	AL	AL 1/0-750 kcmil (max. 600 kcmil CU wire)	1 Phase	–	4MLKA1B
			3 Phase	–	4MLKA3B

Table P1-10 – Copper Neutral Lug Kits – 250A

No. of Circuits	Description	Original P1 Catalog Number	Revised P1 Catalog Number
18	2 or 4 Branch Neutral Strips, 1 Main Neutral Lug, Hardware	CNLK18	Use 30 ckt kit
30		CNLK30	CNLK30A
42		CNLK42	CNLK42A
54, 66		–	CNLK54A

Table P1-10A – 2/0 Neutral Lug Kits – 250A and 400A

No. of Circuits	Description	Original P1 Catalog Number	Revised P1 Catalog Number
18	2 or 4 Branch Neutral Strips, Hardware	–	Use 30 ckt kit
30		–	LNLK30A
42		–	LNLK42A
54, 66		–	LNLK54A

Table P1-11 – 200% Neutral Lug Kits – 250A

No. of Circuits	Description	Original P1 Catalog Number	Revised P1 Catalog Number
18	2 or 4 Branch Neutral Strips, 2 Main Neutral Lugs, Hardware	2NLK18	Use 30 ckt kit
30		2NLK30	2NLK30A
42		2NLK42	2NLK42A
54, 66		–	2NLK54A

Table P1-12 – 200% Neutral Lug Kits – 400A

No. of Circuits	Description	Original P1 Catalog Number	Revised P1 Catalog Number
18	2 or 4 Branch Neutral Strips, 1 Main 600 kcmil Neutral Lug, Hardware	42NLK18	N/A
30		42NLK30	42NLK30A
42		42NLK42	42NLK42A
54, 66		–	42NLK54A

Application

Type P1 Panelboards

Miscellaneous Parts and Accessories

Catalog #	Description
BK1	Bonding Kit for 250A max. Original P1 Panels
BK1A	Bonding Kit for 250A max. Revised P1 Panels
BK2	Bonding Kit for S1/S2 400 & 600
BK3	Bonding Kit for S3 Panel
IMK1	Interior Adjusting Kit
11-1824-01	Directory Card Holder
12-1110-01	Directory Card
MCHK	Metal Card Holder Kit
ANSI/NEMA PB 1.1-2013 ③	General Instructions for Proper Installation, Operation, and Maintenance of Panelboards Rated 600 Volts or Less (O&M Manual)
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
EGK	AL Ground Bus 44 Connections
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)
EBF1	NEB/HEB Filler Plate
P1SCRWS	Package of 42 breaker mounting screws for P1
DFFP1	1" Branch circuit filler plate used for BL/BQD/xGB/ xGB2/ED blank positions (suitable for replacing QF3 in P1 thru P5 Panelboards and Switchboards)
SEBKRP1V1 ②	FD, QJ, QR Service Entrance Barrier Kit (Revised P1)
SEBKRP1V2 ②	ED Service Entrance Barrier Kit (Revised P1)
SEBKRP1V3 ②	BQD Service Entrance Barrier Kit (Revised P1 - back-fed)
SEBKRP1V4 ②	xGB Service Entrance Barrier Kit (Revised P1 - back-fed)
SEBKRP1V5 ②	BL/BQD/xGB Service Entrance Barrier Kit (RP1 in Main Space)
SEBKP1P2P3V1 ②	JD, LD Service Entrance Barrier Kit (RP1, P1, P2, P3)
P1CONBPHCU ①	Connector Kit – 6 pcs. B-phase Copper
P1CONBPHAL ①	Connector Kit – 6 pcs. B-phase Aluminum
P1CONACPHCU ①	Connector Kit – 6 pcs. A or C-phase Copper
P1CONACPHAL ①	Connector Kit – 6 pcs. A or C-phase Aluminum

① Replacement parts only.

② Factory installed and field installable Service Entrance Barrier kits are now available as required by UL67. (In COMPAS, you must select Service Entrance Required.)

③ PDF can be downloaded at no charge and printed at this location: ***http://www.nema.org/standards/pages/Panelboards.aspx***

SIEMENS Factory Assembled RP1 Quick Reference