Section 9

Panelboards

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Schneider Electric

This page contains UL Tested and Certified series combination ratings for panelboards. These ratings apply to either an integral main located in the same enclosure or a remote main located in a separate enclosure.

Table 9.1: NQ Series Connected Circuit Breaker Ratings (RMS Symmetrical)

Maximum System Voltage AC ▲■	Maximum Short Circuit Current Rating	Square D™ Brand Integral or Remote Main Circuit Breakers and Remote Main Fuses	Square D™ Brand Branch Circuit Breaker Catalog Designation and Allowable Ampere Ranges ♦★▼△			
			Type	1 Pole	2 Pole	3 Pole

NOTE: *Table 9.1 NQ Series Connected Circuit Breaker Ratings table has moved to page 9-42 and page 9-43.*

This page contains UL Tested and Certified series combination ratings for panelboards. These ratings apply to either an integral main located in the same enclosure or a remote main located in a separate enclosure.

Table 9.2: NF Series Connected Circuit Breaker Ratings (RMS Symmetrical)

Maximum System Voltage, AC ▲	Max. Short Circuit Current Rating	Square D™ Brand Integral or Remote Main Circuit Breakers and Remote Main Fuses	Square D™ Brand Branch Circuit Breaker Catalog Designation and Allowable Ampere Ranges
120 120/240 240	65,000	EG, FH, FG, KH, LH, MH, MX, HG, JG, DG LG EG	EDB, EDB-EPD EDB ECB-G3
	100,000	EJ, FC, FJ, KC, LC, HJ, JJ DJ, LJ EJ, FC, KC, HJ, JJ	EDB, EDB-EPD, EGB EDB, EGB ECB-G3
	125,000	HL, JL	EDB, EDB-EPD, EGB, ECB-G3
	200,000	FI, KI, LI, LXI, HR, JR, LR FI, KI, HR, JR Class J or T (600 V) 200 A Max Fuses	EDB, EDB-EPD, EGB, EJB ECB-G3 ECB-G3
277 480Y/277	35,000	EG, FG, KH, LH, HG, JG, DG, LG EG, HG, JG	EDB, EDB-EPD ECB-G3
	65,000	EJ, FC, FJ, KC, LC, LX, HJ, JJ, DJ EJ, FC, KC, HJ, JJ	EDB, EDB-EPD, EGB ECB-G3
		LJ	EDB, EDB-EPD, EGB, EGB-EPD
		LL	EDB-EPD, EGB-EPD
	100,000	HL, JL DL, LL 400 A Max Fuses	EDB, EDB-EPD, EGB, EJB EDB, EGB, EJB EDB, EDB-EPD, EGB, EJB
	200,000	FI, KI, LI, LXI, HR, JR, LR FI, KI, HR, JR	EDB, EDB-EPD, EGB, EJB ECB-G3
		200 A Max Fuses	EDB, EDB-EPD, EGB, EJB, ECB-G3
600Y/347	18,000	HG, JG, MG, LG	EDB EDB (15–110 A)
	25,000	EJ, FI, KH, KI, LC, LE, LX, LI, LXI, HJ, JJ	EDB, EGB
		LJ	EDB (15–110 A), EGB (15–110 A)
		LH	(15–70 A) EDB, EGB
	35,000	LC, LE, LX	EDB, EGB, EJB
	50,000	HL, JL,	EDB, EGB, EJB
		LL	EDB (15–110 A), EGB (15–110 A),EJB (15–110 A)
	65,000	FI, KI, HR, JR LI, LXI, LR	EDB, EGB, EJB EJB
	200,000	Class J or T (600 V) 200 A Max Fuses	EDB, EGB, EJB

Table 9.3: I-Line Series Connected Circuit Breaker Ratings (RMS Symmetrical)

Maximum System Voltage AC ▲	Max. Short Circuit Current Rating (RMS Symm.)	Integral or Remote 2- or 3-pole Main Circuit Breaker	Square D™ Brand Branch Circuit Breakers	
			Designation	Poles
120	42k	MG	FY	1
	65k	QG, LH	FA, FD■	
	100k	FJ■, QJ QJ, LC LJ	FD■ FA FH	
	200k	LR	FH, FY	
208Y/120	100k	QJ QJ, PH, PJ, RJ	FA, FD■ QD, QG	2, 3
240	35k	MG	FA	1
	42k	KA LA, MA	FD■ HD, JD, QD	1, 2, 3 2, 3
	50k	MG MG	FA FA (25 A Max.)	1
	65k	HG, JG JG QG LH, MH, PA, PG, RG	FA, HD JD, QD FA, FD■, QD HD, JD, QD	2, 3
		FG■, FH, MH, MX, PJ FC, KC, KH, LC, LH LH	FD■ FD■, FG■ FA	1, 2, 3
		LH MG LG DG	LA HD, JD, KA HD, JD, KA, LA, LD, MA FH, HD, JD, KA, LA, MA	2, 3
	85k	RL	FH, KH	
	100k	FC, KC, LC, LX	FD■, FG■, FJ	1
		PH, PJ, RJ	QD, QG	2, 3
		QJ	FD■	2
		FJ■ FC, KC LC, LX KC, LC, LX KC, LC LC	FD■ FA, FH, FD■, FG■, FJ■ FH, FD■, FG■, FJ■ KA KH LA, LH, MG	2, 3
		LC	FA	1, 2, 3
		HJ, JJ JJ LC, LX, MJ, PJ, RJ MJ LJ DJ RL HL, JL	FA, FH, HD, HG JD, JG HD, HG, JD, JG LA, LH FH, HD, HG, JD, JG, KA, LA, LD, LG, MA, MG FH, HD, HG, JD, JG, KA, LA, MA, MG RG HD, HG, HJ, FA, H	2, 3
240	125k	JL PC, PH, PL, RL PC, PL, RL FI, KI, LI, LXI KI, LI, LXI	JD, JG, JJ HD, HG, JD, JG HH, JJ HD, HG, HJ JD, JG, JJ	2, 3

Table 9.3: I-Line Series Connected Circuit Breaker Ratings (RMS Symmetrical) *(continued)*

Maximum System Voltage AC ▲	Max. Short Circuit Current Rating (RMS Symm.)	Integral or Remote 2- or 3-pole Main Circuit Breaker	Square D™ Brand Branch Circuit Breakers	
			Designation	Poles
		FI, KI, LI, LXI	FD■, FG■, FJ	1
240	200k	FI, KI LI, LXI LI KI, LI, LXI LI LR	FA, FH, FC, FD■, FG■, FJ■ FH, FD■, FG■, FJ■ FC KA, QD, QG, QJ KC FH, HJ, HL, JJ, JL, LA, LH, QD, QG, QJ	2, 3
277	18k	LD	FY	1
	25k	FH, KA	FD■	
	35k	FG■, KH, LH DG LG	FD■ FH, FY FH, FY	
	65k	FJ■ FC, KC LC, LX (400 A Max.) LC, LX (600 A Max.) LJ DJ LL	FD■ FA, FH, FY, FD■, FG■ FH FY, FD■, FG■ FH, FY FH, FY FY	
	100k	DL LL	FH, FJ■ FH, FJ■	
	200k	FI, KI HR JR LI, LXI (400 A Max.) LI, LXI (600 A Max.) LR	FA, FH, FY, FD■, FG■, FJ■ FA, FJ■, FY FA, FJ■, FY FH FY, FD■, FG■, FJ■ FH, FY	
480	22k	MG	FA	2, 3
	30k	KH, LA, MA, MX, PA, PC, PX, PJ	FH	
		LA, MA, PA, PC, PX LA, MA, PA MG	KA HD, JD FA (25 A Max.), FH, KA	
	35k	MH, MX, PA HG, JG JG LH, MG, PG, RG LG DG	HD, JD FA, HD JD HD, JD FH, HD, JD, KA, LA, LD, MA FH, HD, JD, KA, LA, MA	
	42k	MJ RL	FH (25 A Max.) RG	
	50k	MJ	KA, KH	
	65k	FC, KC HJ, JJ JJ LC, LI, LX, LXI LC, LX (400 A Max.) KC, LC, LX LC, LX LJ DJ	FA, FH FA, FH, HD, HG JD, JG HD, HG, JD, JG FH KA LA FH, HD, HG, JD, JG, KA, LA, LD, LG, MA FH, HD, HG, JD, JG, KA, LA, MA	
	100k	HL, JL JL JR LI, LXI (600 A Max.)	FA, FH, HD, HG, HJ JD, JG, JJ FA KA	
		LL	FH, HD, HG, HJ, JD, JG, JJ, KA, LA, LD, LG, LJ, MA	
		DL PC, PH, PL, RL RL	FH, HD, HG, HJ, JD, JG, JJ, KA, LA, MA HJ, JJ RG	
	200k	FI, KI HR JR KI LI LR LXI	FA, FH, FC, HD, HG, HJ FA, HD, HG, HJ, HL HD, HG, HJ, HL, JD, JG, JJ, JL JD, JG, JJ, KA FC, KA, KC, LA, HJ, HL, JJ, JL FH, HJ, HL, JJ, JL, LA, LH KA, HJ, HL, JJ, JL	
480Y/277	25k	FH, KA	FD■	
	35k	FG■, KH, LH	FD■	
	65k	FJ■ FC, KC LC, LX (600 A Max.)	FD■ FD■, FG■ FD■, FG■	
	200k	FI, KI LI, LXI (600 A Max.)	FD■, FG■, FJ■ FD■, FG■, FJ■	
600	18k	HG, JG JG LG MG, PG, RG MG	FA, HD JD HD, JD, LD HD, JD FA	2, 3
	25k	HJ, JJ JJ LJ PJ, RJ	FA, HD, HG JD HD, HG, JD, JG, LD, LG, MA MG	
	35k	LC	FH, HD, HG, HJ, JD, JG, JJ, LA	
	50k	HL, JL JL LL PK	FA, HD, HG, HJ JD, JG, JJ HD, HG, HJ, JD, JG, JJ, LD, LG, LJ, MA HJ, JJ, MJ	
	100k	FI, KI HR JR KI KI, LI LI	HD, HG, HJ FA, HD, HG, HJ, HL FA, HD, HG, HJ, HL, JD, JG, JJ, JL JD, JG, JJ FH LA	
600Y/347	18k 25k 50k	MG MJ HL, JL	FA (25 A max.) FA (30 A max.) FJ	1

▲ Short circuit tests are conducted at 100–105% of the maximum rated voltage of the panelboard.

■ Obsolete. Contact your local Schneider Electric representative or distributor for the replacement circuit breaker.

NOTE: *LD, LG, LH, and LL breakers are only available in 3 pole configurations.*

Table 9.4: Fuse/I-Line Circuit Breaker Series Connected Ratings

Maximum System Voltage AC	Max. Short Circuit Current Rating (RMS Symm.)	Remote Main Fuse		Square D™ Brand Branch Circuit Breakers
		Maximum Amperage	Fuse Class	Designation ▲
120/240 1Ø 208Y/120	100,000	1200 A	L, T (300 V)	QD, QG
		800 A	T (600 V)	QD, QG
		600 A	J, RK5	QD, QG
240	65,000	1200 A	L, T (300 V)	QD
		800 A	T (600 V)	QD
		600 A	J, RK5	QD
240	100,000	1200 A	L, T (300 V)	QD, QG (2-pole)
		800 A	T (600 V)	QD, QG (2-pole)
		600 A	J, RK5	QD, QG (2-pole)
			L, T (600 V)	FA, FH, KA, KH, KC, LA, LH, MA, MH, MX, PG
			RK5	FH, KA, KH, LA, LH, MA, MH, MX, PG, HD, HG, HJ, HL, JD, JG, JJ, JL
			J	HD, HG, HJ, HL, JD, JG, JJ, JL
		800 A	T (600 V)	FH, KA, KH, LA, LH, MA, MH, MX, PG
			T (300 V)	PG
			L	FH,KA,KH,LA,LH,MA,MH,MX,PG
		1200 A	L	FH, KH, LA, LH, MA, MH, MX, PG
			T (600 V)	HD, HG, HJ, HL, JD, JG, JJ, JL
		1600/2000 A	L	KH, MA, MH, MX, PG
		4000 A	L	HD, HG, HJ, HL, JD, JG, JJ, JL
240	200,000	600 A	J, T (600 V)	FA(3-pole only), FH, FC, KA, KH, KC, LA, LH, LC, MA, MH, MX, NA, NC, NX, PG, PJ, PL
			RK5	FH, FC, HD, HG, HJ, HL, JD, JG, JJ, JL KH, KC, LA, LH, LC, MA, MH, MX, NC, NX, PG, PJ, PL
			J	HD, HG, HJ, HL, JD, JG, JJ, JL
		800 A	T (600 V)	FH, FC, KA, KH, KC, LA, LH, LC, MA, MH, MX, NA, NC, NX, PG, PJ, PL
			T (300 V)	PG, PJ, PL
			L	FH,FC, KH, KC, LA, LH, LC, MA, MH, MX, NA, NC, NX, PG, PJ, PL
		1200 A	L	FC, KH, KC, LC, MA, MH, MX, NA, NC, NX, PG, PJ, PL
			T (600 V)	HD, HG, HJ, HL, JD, JG, JJ, JL
		1600/2000 A	L	NA, NC, NX, PJ, PL
		4000 A	L	HD, HG, HJ, HL, JD, JG, JJ, JL
480	100,000	400 A	J, T (600 V)	HD, HG, HJ, HL, JD, JG, JJ, JL
		600 A	J, RK5	HJ, HL, JJ, JL
			J, T (600 V)	FC, KA, KH, KC, LA, LH, LC, MA, MH, MX, NA, PG, PJ
			RK5	FC, KA, KH, KC, LA, LH, LC, MA, MH, MX, NA, PG, PJ
		800 A	L, T (600 V)	FC, KA, KH, KC, LA, LH, LC, MA, MH, MX, NA, PG, PJ
		1200 A	L	FC, KH, KC, LA, LH, LC, MA, MH, MX, NA, PG, PJ
			T (600 V)	HJ, HL, JJ, JL
		1600 A	L	KC, LC, MA, MH, MX, NA, PG, PJ
		2000 A	L	KC, LC, MH,MG, MJ, MX, NA, PG, PJ
		4000 A	L	HJ, HL, JJ, JL
480	200,000	200 A	RK5	HJ, HL
		400 A	J	FA, FH, FC, HJ, HL, JJ, JL, KA, KH, KC, LA, LH, LC, MA, MH, MX, NA, NC, NX, PG, PJ, PL
			T(600V)	FA, FH, FC, HJ, HL, JJ, JL, KA, KH, KC, LA, LH, MA, MH, MX, NA, NC, NX
		600 A	J	FC, KA, KH, KC, LA, LH, LC, MA, MH, MX, MG, MJ, NA, NC, NX, PG, PJ, PL
			T (600V)	KA, KH, KC, LA, LH, MA, MH, MX, NA, NC, NX
			RK5	KC, LA, LH, LC, MA, MH, MX, MG, MJ, NC, NX, PG, PJ,
		800 A	T (300 V)	PG, PJ, PL
			T (600 V)	KA, KH, KC, LA, LH, MA, MH, MX, MG, MJ, NA, NC, NX, PG, PJ, PL
			L	KC, LA, LH, LC, MA, MH, MX, NA, NC, NX, PG, PJ, PL
		1200 A	L	KC, LC, MA, MH, MX, MG, MJ, NA, NC, NX, PG, PJ, PL
		1600/2000 A	L	NA, NC, NX
600	100,000	30 A	CC	HG, JG (molded case switches)
		200 A	J	HD, HG, HJ, HL, JD, JG, JJ, JL
		400 A	J, T (600 V)	HJ, HL, JJ, JL
		600 A	R	MG, MJ
		1200 A	L	MG, MJ
600	200,000	600 A	J	MG, MJ
		800 A	T (600 V)	MG, MJ

▲ Series rating valid for 2-pole or 3-pole circuit breakers.

Note:

- The fuse used in this UL test is an envelope (umbrella) fuse. This fuse is designed as a “worst case” fuse. Thus, no matter what manufacturer’s fuse is used, the Square D™ brand circuit breaker is protected.
- The line side fused switch may be in a separate enclosure or in the same enclosure as the loadside circuit breaker. A line side fused switch may be a submain, integral main, or remote main. A load side circuit breaker may be a branch, submain, or an integral main used on the load side of a remote main. This series combination short circuit current rating shall not exceed that of the line side fused switch. The charts apply to Square D™ brand load side circuit breakers only. However, the line side fuse ratings are independent of the fuse manufacturer.
- Not applicable to Corner Grounded Systems.
- Limiters used in Square D™ brand DSL and DSL II fused power circuit breakers are not class L fuses and do not have series ratings.

NQ and NF Merchandised Pricing Procedure

1. List circuit breakers required, either plug-on or bolt-on. See the appropriate Digest pages for catalog numbers.
2. Determine equivalent number of pole spaces required.
3. Select proper main lug interior (from page 9-6) or main lug interior and main circuit breaker adapter kit (from page 9-7) based on equivalent number of poles and ampere rating. Interiors include solid neutral and are field convertible to top-feed.
4. Select enclosure from appropriate page.
   Type 1—Select box and front catalog number corresponding to interior catalog number.
   Type 3R, 5, 12—Select enclosure. Interior trim kit for Type 3R, 5, 12 is included with the enclosure.
5. For complete price, add the component prices. Include panelboard accessories.
6. Apply appropriate discount schedule.

NQ and NF Factory Assembled Pricing Procedure

1. Select **Base Price** for main lugs or main circuit breaker from the **Base Price Table**. Include equipment ground bar when required.
2. List **Branch Circuit Breakers** (either plug-on or bolt-on) and determine total spaces required. Select price from the **Branch Circuit Breakers Table**. Include space-only charge for future requirements.
3. If total spaces required exceeds the maximum listed, price as two or more panelboards and add price for sub-feed or feed-through lugs so installer can cable between sections.
4. Add price for special features from appropriate page. Contact your local Schneider Electric representative or distributor for additional special features.
5. For complete price, add all prices. Order by description.

NOTE: *Additional special price adders can be found in the Supplemental and Obsolescence Digest, Section 4.*

6. Apply appropriate discount schedule.

NQ Merchandised Pricing Example

Table 9.5: 208Y/120 Vac, 3Ø4W, 10 kA SCCR, 225 A, MLO, Type-1, surface-mount, bolt-on, branch circuit breakers, main sub-feed lugs

Branches	Page No.	Catalog Number	Spaces	$ Price
(20) 20/1	9-10	(20) **QOB120**	20	**795.**
two 40/2	9-10	two **QOB240**	4	**177.**
two 30/3	9-10	two **QOB330**	6	**585.**
			Total 30	
225 A MLO Interior	9-6	NQ430L2	–	**1215.**
Box	9-6	MH32	–	**113.**
Cover	9-6	NC32S	–	**527.**
Sub-feed Lugs	9-6	NQSFL2	–	**203.**
			Total Price	**3615.**

NQ Factory Assembled Pricing Example

Table 9.7: 208Y/120 Vac, 3Ø4W, 10 kA SCCR, 225 A, MLO, Type-1, surface-mount, bolt-on, branch circuit breakers, main sub-feed lugs

Item	Page No.	$ Price
225 A MLO Base Price	9-11	**928.**
(20) 20/1 Bolt-on	9-11	**1360.**
two 40/2 Bolt-on	9-11	**268.**
two 30/3 Bolt-on	9-11	**704.**
Sub-feed Lugs	9-12	**128.**
Total Price		**3388.**

NF Merchandised Pricing Example

Table 9.6: 480Y/277 Vac, 3Ø4W, 25 kA SCCR, fully rated, copper bus, 100 A, main circuit breaker, Type 1, flush-mount, bolt-on, branch circuit breakers

Branches	Page No.	Catalog No.	Spaces	$ Price
(13) 20/1	9-15	EGB14020	13	**3315.**
one 40/2	9-15	EGB24040	2	**776.**
one 50/3	9-15	EGB34050	3	**1131.**
			Total 18	
Main circuit breaker adapter kit (less circuit breaker)	9-13	N150MH	–	**780.**
Main circuit breaker	7-28	HGL36100	–	**1701.**
125 A MLO Cu Bus Int.	9-13	NF418L1C	–	**1838.**
Box	9-13	MH38	–	**113.**
Cover	9-13	NC38F	–	**549.**
			Total Price	**10203.**

NF Factory Assembled Pricing Example

Table 9.8: 480Y/277 Vac, 3Ø4W, 25 kA SCCR, fully rated, copper bus, 250 A, main circuit breaker, Type 1, flush-mount, bolt-on, branch circuit breakers

Item	Page No.	$ Price
250 A Main Circuit Breaker Base Price	9-16	**6180.**
Copper bus adder	9-17	**458.**
(13) 20/1	9-16	**4212.**
one 40/2	9-16	**746.**
one 50/3	9-16	**1264.**
Total Price		**12860.**

Table 9.9: Main Lug Interiors—Accepts plug-on and bolt-on circuit breakers

Pole Spaces	Mains Rating	Total Price Interior Front and Enclosure		Interior Only (Order Branch Circuit Breakers Separately)		Type 1 Enclosure						Type 3R, 5, 12 Enclosure △		
						Box 20 in. W x 5.75 in. D ■		Mono-Flat™ Front ♦		Hinged Front		Enclosure 20 in. W x 6.5 in. D		Height (In.)
		Type 1	Type 3R, 5,12	Catalog No. ▲	$Price	Catalog No.	$ Price	Catalog No.	$ Price	Catalog No.	$ Price	Catalog No.	$ Price	
20-inch-wide Cabinet □—Single Phase 3-Wire														
18	100	**1395.**	**2977.**	NQ18L1	**785.**	MH26	**113.**	NC26 ( )	**497.**	NC26( )HR	**620.**	MH26WP	**2192.**	26
		1474.	**3056.**	NQ18L1C	**864.**									
30		**1585.**	**3149.**	NQ30L1	**945.**	MH32		NC32 ( )	**527.**	NC32( )HR	**657.**	MH32WP	**2204.**	32
		1675.	**3239.**	NQ30L1C	**1035.**									
30	225	**1744.**	**3308.**	NQ30L2	**1104.**	MH32	**113.**	NC32 ( )	**527.**	NC32( )HR	**657.**	MH32WP	**2204.**	32
		1819.	**3383.**	NQ30L2C	**1179.**									
42		**2002.**	**3556.**	NQ42L2	**1340.**	MH38		NC38 ( )	**549.**	NC38( )HR	**687.**	MH38WP	**2216.**	38
		2080.	**3634.**	NQ42L2C	**1418.**									
72★		**3073.**	**4900.**	NQ72L2	**2297.**	MH44		NC44 ( )	**663.**	NC44( )HR	**830.**	MH44WP	**2603.**	44
		3206.	**5033.**	NQ72L2C	**2430.**									
84★		**3521**	**5288.**	NQ84L2	**2679.**	MH50		NC50 ( )	**729.**	NC50( )HR	**912.**	MH50WP	**2609.**	50
		3677.	**5444.**	NQ84L2C	**2835.**									
30	400	**2462.**	**4229.**	NQ30L4	**1620.**	MH50	**113.**	NC50V ( )	**729.**	NC50V( )HR	**912.**	MH50WP	**2609.**	50
		2579.	**4346.**	NQ30L4C	**1737.**									
42		**2620.**	**4387.**	NQ42L4	**1778.**									
		2738.	**4505.**	NQ42L4C	**1896.**									
84★		**4853.**	**6534.**	NQ84L4C	**3792.**	MH68		NC68V ( )	**948.**	NC68V( )HR	**1185.**	MH68WP	**2742.**	68
30	600	**2705.**	**4548.**	NQ30L6C	**1863.**	MH50	**113.**	NC50V ( )	**729.**	NC50V( )HR	**912.**	MH62WP▼	**2685.**	50/62
42		**2861.**	**4704.**	NQ42L6C	**2019.**									
84★		**5099.**	**6873.**	NQ84L6C	**4038.**	MH68		NC68V ( )	**948.**	NC68V( )HR	**1185.**	MH80WP▼	**2835.**	68/80
20-inch-wide Cabinet □ —Three Phase 4-Wire														
18	100	**1486.**	**3068.**	NQ418L1	**876.**	MH26	**113.**	NC26 ( )	**497.**	NC26( )HR	**620.**	MH26WP	**2192.**	26
		1561.	**3143.**	NQ418L1C	**951.**									
30		**1752.**	**3316.**	NQ430L1	**1112.**	MH32		NC32 ( )	**527.**	NC32( )HR	**657.**	MH32WP	**2204.**	32
		1831.	**3395.**	NQ430L1C	**1191.**									
30	225	**1855.**	**3419.**	NQ430L2	**1215.**	MH32	**113.**	NC32 ( )	**527.**	NC32( )HR	**657.**	MH32WP	**2204.**	32
		1932.	**3496.**	NQ430L2C	**1292.**									
42		**2138.**	**3692.**	NQ442L2	**1476.**	MH38		NC38 ( )	**549.**	NC38( )HR	**687.**	MH38WP	**2216.**	38
		2213.	**3767.**	NQ442L2C	**1551.**									
54		**2559.**	**4113.**	NQ454L2	**1898.**									
		2655.	**4209.**	NQ454L2C	**1994.**									
72★		**3307.**	**5134.**	NQ472L2	**2531.**	MH44		NC44 ( )	**663.**	NC44( )HR	**830.**	MH44WP	**2603.**	44
		3436.	**5263.**	NQ472L2C	**2660.**									
84★		**3794.**	**5561.**	NQ484L2	**2952.**	MH50		NC50 ( )	**729.**	NC50( )HR	**912.**	MH50WP	**2609.**	50
		3944.	**5711.**	NQ484L2C	**3102.**									
30	400	**2704.**	**4471.**	NQ430L4	**1862.**	MH50	**113.**	NC50V ( )	**729.**	NC50V( )HR	**912.**	MH50WP	**2609.**	50
		2822.	**4589.**	NQ430L4C	**1980.**									
42		**2854.**	**4621.**	NQ442L4	**2012.**									
		2975.	**4742.**	NQ442L4C	**2133.**									
72★		**4449.**	**6134.**	NQ472L4	**3449.**	MH62		NC62V ( )	**887.**	NC62V( )HR	**1109.**	MH62WP	**2685.**	62
		4657.	**6342.**	NQ472L4C	**3657.**									
84★		**5327.**	**7008.**	NQ484L4C	**4266.**	MH68		NC68V ( )	**948.**	NC68V( )HR	**1185**	MH68WP	**2742.**	68
30	600	**2983.**	**4826.**	NQ430L6C	**2141.**	MH50	**113.**	NC50V ( )	**729.**	NC50V( )HR	**912.**	MH62WP▼	**2685.**	50/62
42		**3116.**	**4959.**	NQ442L6C	**2274.**									
84★		**5609.**	**7383.**	NQ484L6C	**4548.**	MH68		NC68V ( )	**948.**	NC68V( )HR	**1185.**	MH80WP▼	**2835.**	68/80

▲ "C" suffix indicates copper bussing.
■ Embossed mounting holes add a 0.25-inch standoff to back of MH box.
♦ Add "F" for flush mount, "S" for surface mount.
★ Use only if the Local Jurisdiction where this panelboard interior is being applied has adopted the 2008 NEC, which allows single panelboard interiors greater than 42 circuits.
▼ When NEMA 3R, 5, or 12 enclosures are selected, an NQ12RDE kit should also be selected. See Table 9.19.
△ Enclosure includes trim kit.
□ For the NQ14-inch-wide panelboard offer, See Digest page 9-8.

Table 9.10: Main Circuit Breaker Interiors—Will accept plug-on and bolt-on circuit breakers

Pole Spaces	Mains Rating	Total $ Price Interior, Front, Box and Adapter Kit △		Interior Only (Order Branch Circuit Breakers Separately)		Main Circuit Breaker Adapter Kit (Less Circuit Breaker) △			Type 1 Enclosure						Type 3R, 5, 12 Enclosure ▼		
									Box 20 in. W x 5.75 in. D ■		Mono-Flat™ Front		Hinged Front		Enclosure 20 in. W x 6.5in. D		Height (In.)
		Type 1	Type 3R, 5, 12	Catalog No. ▲	$ Price	Catalog No.	$ Price	Circuit Breaker Frame Size □	Catalog No.	$ Price	Catalog No. ♦	$ Price	Catalog No.	$ Price	Catalog No.	$ Price	
20-inch-wide Cabinet ◊—Single Phase 3-Wire																	
16◒	100 back-fed	**1395.**	**2977.**	NQ18L1	**785.**	—	—	Select QOB 2-pole or QOB-VH☆	MH26	**113.**	NC26 ( )	**497.**	NC26( )HR	**620.**	MH26WP	**2192.**	26
		1474.	**3056.**	NQ18L1C	**864.**	—	—										
28◒		**1585.**	**3149.**	NQ30L1	**945.**	—	—		MH32	**113.**	NC32 ( )	**527.**	NC32( )HR	**657.**	MH32WP	**2204.**	32
		1675.	**3239.**	NQ30L1C	**1035.**	—	—										
18	100	**2227.**	**3781.**	NQ18L1	**785.**	NQMB2HJ	**780.**	HD, HG, HJ, HL✱ 100A maximum	MH38	**113.**	NC38 ( )	**549.**	NC38( )HR	**687.**	MH38WP	**2216.**	38
		2306.	**3860.**	NQ18L1C	**864.**												
30	100	**2501.**	**4328.**	NQ30L1	**945.**	NQMB2HJ	**780.**		MH44	**113.**	NC44 ( )	**663.**	NC44( )HR	**830.**	MH44WP	**2603.**	44
		2591.	**4418.**	NQ30L1C	**1035.**												
30	225	**2660.**	**4487.**	NQ30L2	**1104.**	NQMB2HJ NQMB2Q NQMB2KI	**780.**	HD, HG, HJ, HL✱ or JD, JG, JJ, JL QB,QD,QG,QJ KI	MH44	**113.**	NC44 ( )	**663.**	NC44( )HR	**830.**	MH44WP	**2603.**	44
		2735.	**4562.**	NQ30L2C	**1179.**												
42	225	**2962.**	**4729.**	NQ42L2	**1340.**		**780.**		MH50	**113.**	NC50 ( )	**729.**	NC50( )HR	**912.**	MH50WP	**2609.**	50
		3040.	**4807.**	NQ42L2C	**1418.**												
72★	225	**3976.**	**5729.**	NQ72L2	**2297.**		**780.**		MH56	**113.**	NC56 ( )	**786.**	NC56( )HR	**983.**	MH56WP	**2652.**	56
		4109.	**5862.**	NQ72L2C	**2430.**												
84★	225	**4459.**	**6144.**	NQ84L2	**2679.**		**780.**		MH62	**113.**	NC62 ( )	**887.**	NC62( )HR	**1109.**	MH62WP	**2685.**	62
		4615.	**6300.**	NQ84L2C	**2835.**												
30	400	**3400.**	**5085.**	NQ30L4	**1620.**	NQMB4LA	**780.**	LA/LH♦	MH62	**113.**	NC62V ( )	**887.**	NC62V( )HR	**1109.**	MH62WP	**2685.**	62
		3517.	**5202.**	NQ30L4C	**1737.**												
42	400	**3558.**	**5243.**	NQ42L4	**1778.**	NQMB4LA	**780.**	LA/LH♦	MH62	**113.**	NC62V ( )	**887.**	NC62V( )HR	**1109.**	MH62WP	**2685.**	62
		3676.	**5361.**	NQ42L4C	**1896.**												
84★	400	**5686.**	**7407.**	NQ84L4C	**3792.**	NQMB4LA	**780.**	LA/LH♦	MH80	**113.**	NC80V ( )	**1001.**	NC80V( )HR	**1245.**	MH80WP	**2835.**	80
20-inch-wide Cabinet ◊—Three Phase 4-Wire																	
15◒	100 back-fed	**1395.**	**2977.**	NQ418L1	**785.**	—	—	Select QOB 3-pole or QOB-VH▽	MH26	**113.**	NC26 ( )	**497.**	NC26( )HR	**620.**	MH26WP	**2192.**	26
		1474.	**3056.**	NQ418L1C	**864.**	—	—										
27◒		**1585.**	**3149.**	NQ430L1	**945.**	—	—		MH32	**113.**	NC32 ( )	**527.**	NC32( )HR	**657.**	MH32WP	**2204.**	32
		1675.	**3239.**	NQ430L1C	**1035.**	—	—										
18	100	**2318.**	**3872.**	NQ418L1	**876.**	NQMB2HJ	**780.**	HD, HG, HJ, HL 100A maximum	MH38	**113.**	NC38 ( )	**549.**	NC38( )HR	**687.**	MH38WP	**2216.**	38
		2393.	**3947.**	NQ418L1C	**951.**												
30		**2668.**	**4495.**	NQ430L1	**1112.**				MH44	**113.**	NC44 ( )	**663.**	NC44( )HR	**830.**	MH44WP	**2603.**	44
		2747.	**4574.**	NQ430L1C	**1191.**												
30	225	**2771.**	**4598.**	NQ430L2	**1215.**	NQMB2HJ NQMB2Q NQMB2KI	**780.**	HD, HG, HJ, HL or JD, JG, JJ, JL QB,QD,QG,QJ KI	MH44	**113.**	NC44 ( )	**663.**	NC44( )HR	**830.**	MH44WP	**2603.**	44
		2848.	**4675.**	NQ430L2C	**1292.**												
42		**3098.**	**4865.**	NQ442L2	**1476.**		**780.**		MH50	**113.**	NC50 ( )	**729.**	NC50( )HR	**912.**	MH50WP	**2609.**	50
		3173.	**4940.**	NQ442L2C	**1551.**												
54		**3519.**	**5286.**	NQ454L2	**1898.**												
		3615.	**5382.**	NQ454L2C	**1994.**												
72★		**4210.**	**5963.**	NQ472L2	**2531.**		**780.**		MH56	**113.**	NC56 ( )	**786.**	NC56( )HR	**983.**	MH56WP	**2652.**	56
		4339.	**6092.**	NQ472L2C	**2660.**												
84★		**4732.**	**6417.**	NQ484L2	**2952.**		**780.**		MH62	**113.**	NC62 ( )	**887.**	NC62( )HR	**1109.**	MH62WP	**2685.**	62
		4882.	**6567.**	NQ484L2C	**3102.**												
30	400	**3642.**	**5327.**	NQ430L4	**1862.**	NQMB4LA	**780.**	LA/LH♦	MH62	**113.**	NC62V ( )	**887.**	NC62V( )HR	**1109.**	MH62WP	**2685.**	62
		3760.	**5445.**	NQ430L4C	**1980.**												
42		**3792.**	**5477.**	NQ442L4	**2012.**												
		3913.	**5598.**	NQ442L4C	**2133.**												
72★		**5314.**	**6986.**	NQ472L4	**3449.**	NQMB4LA	**780.**	LA/LH♦	MH74	**113.**	NC74V ( )	**972.**	NC74V( )HR	**1215.**	MH74WP	**2757.**	74
		5522.	**7194.**	NQ472L4C	**3657.**												
84★		**6160.**	**7881.**	NQ484L4C	**4266.**	NQMB4LA	**780.**	LA/LH♦	MH80	**113.**	NC80V ( )	**1001.**	NC80V( )HR	**1245.**	MH80WP	**2835.**	80

▲ "C" suffix indicates copper bussing.
■ Embossed mounting holes add a 0.25 inch standoff to back of MH box.
♦ Add "F" for flush mount, "S" for surface mount.
★ Use only if the Local Jurisdiction where this panelboard interior is being applied has adopted the 2008 NEC, which allows single panelboard interiors greater than 42 circuits.
▼ Enclosure includes trim kit.
△ Select the appropriate main circuit breaker from the tables starting on Digest page 7-22 and add the circuit breaker price to the total price of the panelboard.
□ Circuit breaker interrupt ratings, See the tables starting on Digest page 7-22.
◊ For the NQ14-inch-wide panelboard offer, See Digest page 9-8.
☆ QOB2150VH takes four pole spaces; all other QOB two pole circuit breakers take two pole spaces.
▽ QOB3110VH to QOB3150VH take six pole spaces; all other QOB three pole circuit breakers take three pole spaces.
◒ Pole spaces shown are available for branch circuits, with spaces deducted for the back fed main breaker.
✱ For single phase applications, order a 3-pole breaker. Example: HDL36100.
♦ For 400A applications, order short handle circuit breaker (LAL36400MB).

New!

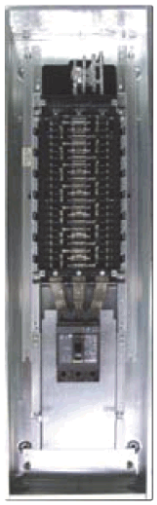
NQ 14-inch-wide—240 Vac, 48 Vdc

14-inch-wide NQ panelboards are now available for those customers whose equipment space is limited. Developed with customer input, Square D™ brand NQ panelboards are built to last, featuring innovations for ease of installation and durability.

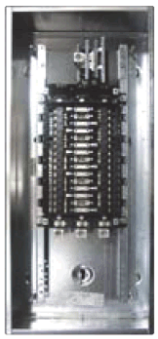
Features

- 240 Vac, 48 Vdc maximum
- 225 A maximum main circuit breaker or main lugs
- 60 A maximum branch circuit breakers
- Visi-Trip™ indication on branch circuit breakers
- 10,000–65,000 A Short Circuit Current Rating (SCCR)
- Interiors supplied with tin plated copper bus as standard
- Interiors accept bolt-on and plug-on branch circuit breakers
- Three-phase, four-wire, and single-phase, three-wire interiors available
- Panelboards available with Mono-Flat™ front
- Suitable for use as service entrance equipment
- Branch circuit filler plates provide fast and easy installation
- Both fully and series-rated systems are available

14-inch-wide NQ Panelboard Main Lug



Main Breaker Panelboard



Main Lug Panelboard

Table 9.11: Main Lug Interiors—Accepts Plug-On and Bolt-On Branch Breakers

Max. Number of Breakers	Main Ratings	Total $ Price Interior, Front, Box and Adapter Kit		Interior Only (Order Branch Circuit Breakers Seperately)		Type 1 Enclosure					
						Box 14"W x 5.75" Db		Mono Flat Front		Hinged Front	
		Type 1	Type 3R, 5, 12	Cat. No.	$ Price	Cat. No.	$ Price	Cat. No. ■	$ Price	Cat. No.	$ Price
14-inch-wide Cabinet—Single Phase 3-Wire											
18	100 A	**1407.**	—	NQ18L1C14	**951.**	NQB532	**118.**	NQC32	**338.**	N/A	—
30		**1647.**	—	NQ30L1C14	**1191.**	NQB532	**118.**	NQC32	**338.**	N/A	—
30	225 A	**1748.**	—	NQ30L2C14	**1292.**	NQB532	**118.**	NQC32	**338.**	N/A	—
42		**2028.**	—	NQ42L2C14	**1151.**	NQB538	**118.**	NQC38	**338.**	N/A	—
14-inch-wide Cabinet—Three Phase 4-Wire											
18	100 A	**1407.**	—	NQ418L1C14	**951.**	NQB532	**118.**	NQC32	**338.**	N/A	—
30		**1647.**	—	NQ430L1C14	**1191.**	NQB532	**118.**	NQC32	**338.**	N/A	—
30	225 A	**1748.**	—	NQ430L2C14	**1292.**	NQB532	**118.**	NQC32	**338.**	N/A	—
42		**2028.**	—	NQ442L2C14	**1151.**	NQB538	**118.**	NQC38	**338.**	N/A	—

Table 9.12: Main Circuit Breaker Interiors—Accepts Plug-On and Bolt-On Branch Breakers

Max. Number of Breakers	Main Ratings	Total $ Price Interior, Front, Box and Adapter Kit		Interior Only (Order Branch Circuit Breakers Seperately)		Main Circuit Breaker Adapter Kit (Less Circuit Breaker)			Type 1 Enclosure					
									Box 14"W x 5.75" Db		Mono Flat Front		Hinged Front	
		Type 1	Type 3R, 5, 12	Cat. No.	$ Price	Cat. No	$ Price	Cat. No	Cat. No.♦	$ Price	Cat. No. ■	$ Price	Cat. No.	$ Price
14-inch-wide Cabinet—Single Phase 3-Wire														
16 ▲	100	**1407.**	—	NQ18L1C14	**951.**	—	—	Select QOB 2-pole or QOB-VH	NQB532	**118.**	NQC32	**338.**	N/A	—
28 ▲		**1647.**	—	NQ30L1C14	**1191.**	—	—		NQB532	**118.**	NQC32	**338.**	N/A	—
30	225	**1748.**	—	NQ30L2C14	**1292.**	NQMB2HJ14 or NQMB2Q14	**780.**	HD, HG, HJ, HL, OR JD, JG, JJ, JL, QB , QD, QG, QJ	NQB544	**118.**	NQC44	**338.**	N/A	—
42		**2028.**	—	NQ42L2C14	**1151.**		**78.**		NQB550	**118.**	NQC50	**359.**	N/A	—
14-inch-wide Cabinet—Three Phase 4-Wire														
15 ▲	100	**1407.**	—	NQ418L1C14	**951.**	—	—	Select QOB 3-pole or QOB-VH	NQB532	**118.**	NQC32	**338.**	N/A	—
27 ▲		**1647.**	—	NQ430L1C14	**1191.**	—	—		NQB532	**118.**	NQC32	**338.**	N/A	—
30	225	**1748.**	—	NQ430L2C14	**1292.**	NQMB2HJ14 or NQMB2Q14	**780.**	HD, HG, HJ, HL, OR JD, JG, JJ, JL, QB , QD, QG, QJ	NQB544	**118.**	NQC44	**338.**	N/A	—
42		**2028.**	—	NQ442L2C14	**1151.**		**78.**		NQB550	**118.**	NQC50	**359.**	N/A	—

▲ Pole spaces shown are available for branch circuits, with spaces deducted for the back-fed main breaker.
■ Add "F" for flush mount, "S" for surface mount.
♦ All 14" W boxes come with blank endwalls.

Table 9.13: NQ Accessories

Description	Catalog No.	$ Price	Schedule
Equipment Ground Bars			
Aluminum	PK27GTA	**33.80**	DE3A
PK23GTA+ #1 to #4/0 Al or Cu lug	PK23GTAL	**40.70**	
Copper	PK27GTACU	**84.00**	PE-1A
Ground Bar Insulator Kit	PKGTAB	**43.80**	DE3A
Filler plate (15 per package)	NQFP15★	**68.00**	PE1A
Handle Attachments—Branch Circuit Breakers			
Handle lock-off	HLO1	**9.90**	DE2A
Handle tie - (QO and QOB only)	QO1HT	**3.80**	
Handle padlock attachment—1-pole	QO1PA	**10.70**	
2- and 3-pole	QO1PL	**10.70**	
Handle tie and lock-off for three 1-pole (QO, QOB)	QO3HT	**13.40**	

★ Filler Plates are **$3.00** each and must be ordered in packages of 15.

Table 9.14: NQ Merchandised Neutrals

Mains Ampacity	200% Neutral Kit				Copper 100% Neutral Kit			
	Catalog No.	$ Price	Box Add	Schedule	Catalog No.	$ Price	Box Add	Schedule
100	NQNL1	**315.**	no adder	PE-1A	NQN1CU	**192.**	no adder	PE-1A
225	NQNL2 or NQNL2ACCY■	**426.**			NQN2CU			
400	NQNL4▲	**639.**	no adder	PE-1A	NQN6CU	**585.**	no adder	PE-1A
600	Not Available				NQN6CU▲			

▲ Not to be used with SFL, FTL, or SFB. These combinations are factory assembled only.
■ For 225A panel with SFL, FTL, or SFB, use NQNL2ACCY (enclosure size increases by 6 inches). Otherwise, use NQNL2.

Table 9.15: NQ Merchandised Sub-feed Lugs, Feed-through Lugs and Sub-feed Breakers

Mains Ampacity	Sub-feed Lugs (N/A in MCB Interiors)			Feed-through Lugs			Sub-feed Circuit Breaker Kits (breaker not incl.)					
							Single SFB			Two SFB		
	Catalog No.	$ Price	Schedule	Catalog No.	$ Price	Schedule	Catalog No.	$ Price	Schedule	Catalog No.	$ Price	Schedule
100 A	NQSFL1	**155.**	PE-1A	100 A not available;	—	—	—	—	—	—	—	—
225 A	NQSFL2	**203.**	PE-1A	NQFTL2L♦ NQFTL2H★	**476.**	PE-1A	NQSFB2Q or NQSFB2HJ	**1029.**	PE-1A	—	—	—
400 A	NQSFL4	**260.**	PE-1A	NQFTL4L♦ NQFTL4H★	**507.**	PE-1A	Use the 2 SFB kit		—	NQSFB4Q or NQSFB4HJ	**1290.**	PE-1A
600 A	Use FTL			Factory Assembled Only								

Note: See Table 9.16 and Table 9.17 for box selection table.

♦ The final character L indicates the kit is used for Low circuit count interiors 30 and 42.
★ The final character H indicates the kit is used for High circuit count interiors 54, 72, and 84.

Table 9.16: Box Selection Table: Merchandised NQ Main Lug Panelboards with Accessories

Feature Circuits	Sub-feed Lugs				Feed-through Lugs				Sub-feed Circuit Breakers			
	100 A	225 A	400 A	600 A	100 A	225 A	400 A	600 A	100 A	225 A (one)	400 A (two)	600 A (two)
18	MH26	—	—	Use FTL	—	—	—	Factory Assembled Only	—	—	—	Factory Assembled Only
30	MH32	MH38	MH50	Use FTL	Use 225A Interior	MH38	MH50		—	MH50	MH74	
42	—	MH44	MH50	Use FTL		MH38	MH56		—	MH56	MH74	
72	—	MH50	MH62	Use FTL		MH50	MH68		—	MH62	MH86	
84	—	MH56	MH68	Use FTL		MH56	MH68		—	MH68	▼	

▼ (c) Requires box longer than available box offer.

Table 9.17: Box Selection Table: Merchandised NQ Vertically Mounted Main Breaker Panelboards w/ Accessories

Feature Circuits	Feed-through Lugs				Sub-feed Circuit Breakers			
	100 A	225 A	400 A	600 A	100 A	225 A (one)	400 A (two)	600 A (two)
18	—	—	—	Factory Assembled Only	—	—	—	Factory Assembled Only
30	—	MH50	MH62		—	MH62	MH86	
42	—		MH68		—	MH68	MH86	
72	—	MH62	MH80		—	MH74	△	
84	—	MH68	MH80		—	MH80	△	

△ (c) Requires box longer than available box offer.

NOTE: NQ SurgeLogic SurgeLoc Plug-on SPD appears on page 9-44.

Table 9.18: NQ Optional Lugs

Ampacity	AL Compression Lug Kit			CU Mechanical Lug Kit			CU Compression Kit		
	Catalog No.	Lug Wire Range	$ Price	Catalog No.	Lug Wire Range	$ Price	Catalog No.	Lug Wire Range	$ Price
100	NQALV1	one #8–1/0 AWG	**117.00**	NQCUM1	one #6–2/0 AWG	**347.00**	NQCUV1	one #6–1/0 AWG	**345.00**
225	NQALV2	one #4–300 kcmil	**33.00**	NQCUM2	one #6–250 kcmil		NCQUV2	one 2/0–300 kcmil	**417.00**
400	NQALV4	two 2/0–500 kcmil	**663.00**	NQCUM4	one 1/0–750 kcmil two 1/0–350 kcmil	**636.00**	NQCUV4	one 400–700 kcmil	**767.00**
600	NQALV6	two 2/0–500 kcmil	**1208.00**	NQCUM6	one 1/0–750 kcmil two 1/0–350 kcmil	**1139.00**	NQCUV6	two 250–500 kcmil	**1364.00**

Table 9.19: NQ Accessories

Description		Catalog No.	$ Price	Schedule
Sub-feed (Bolt-on)				
2-pole		QOB2125SL	**176.00**	DE2A
3-pole		QOB3125SL	**176.00**	
Equipment Ground Bars				
Aluminum		PK27GTA	**33.80**	DE3A
PK23GTA+ #1 to #4/0 Al or Cu lug		PK23GTAL	**40.70**	
Copper		PK27GTACU	**84.00**	PE-1A
Ground Bar Insulator Kit		PKGTAB	**43.80**	DE3A
Filler plate (15 per package)		NQFP15□	**68.00**	PE1A
Circuit I.D. Number Strips				
1–102 odd/even (left side numbered 1,3,5 ...101)		NQ102OE	**7.90**	PE1A
103–204 odd/even (left side numbered 103,105,107 ... 203)		NQ204OE	**7.90**	
1–102 sequential (left side numbered 1,2,3 ... 102)		NQ102S	**7.90**	
103–204 sequential (left side numbered 103,104,105 ... 204)		NQ204S	**7.90**	
Rail and Deadfront Extensions	6 in. Extension	NQ6RDE	**252.00**	
	12 in. Extension	NQ12RDE	**283.00**	
	18 in. Extension	NQ18RDE	**343.00**	
	24 in. Extension	NQ24RDE	**397.00**	
Touch-up paint USAS #49 Gray (Aerosol can)		PK49SP	**39.00**	DE1
Handle Attachments—Branch Circuit Breakers				
Handle lock-off		HLO1	**9.90**	DE2A
Handle tie - (QO and QOB only)		QO1HT	**3.80**	
Handle padlock attachment—1-pole		QO1PA	**10.70**	
2- and 3-pole		QO1PL	**10.70**	
Handle tie and lock-off for three 1-pole (QO, QOB)		QO3HT	**13.40**	
Handle tie for two 10–30 A single pole QO(B) circuit breaker		QOHT2	**10.90**	DE2
Handle tie for three 10–30 A single pole QO(B) circuit breaker		QOHT3	**12.80**	
Handle Padlock Attachment for Padlocking in OFF position				
For padlocking 1P QO circuit breaker in OFF position only, fixed attachment		QO1PAF	**43.50**	DE2E
For padlocking 2P and 3P QO circuit breaker in OFF position only, fixed attachment		QO2PAF	**25.80**	
For padlocking 1P QO-GFI, QO-AFI, QO-CAFI, and QO-EPD circuit breakers in OFF position only, fixed attachment		QOGFI1PAF	**51.00**	
For padlocking 2P QO-GFI and QO-EPD circuit breakers in OFF position only, fixed attachment		QOGFI2PAF	**38.40**	
Neutral or Ground Lugs				
#10 to #2 Al or #14 to #4 Cu		QO70AN	**9.90**	DE3A
#4 to #1/0 Al or Cu		Q1100AN	**11.10**	
#1 to #4/0 Al or Cu		Q1150AN	**32.40**	
Endwalls for MH Enclosures				
Blank (one per package)		8011010501	**41.10**	PE1A
With Knockouts (one per package)		8011010401	**41.10**	

□ Filler Plates are **$4.50** each and must be ordered in packages of 15.

Table 9.20: QOB-GFI, QOB-EPD, and QOB-EPE Circuit Breakers

Ampere Rating ▲	One-pole		Two-pole—Common Trip		Three-pole—Common Trip			
	Catalog No.	$ Price	Catalog No.	$ Price	Catalog No.	$ Price	Catalog No.	$ Price
QOB-GFI—QOB Qwik-Gard™ Circuit Breaker With Ground Fault Circuit Interrupter—UL Class A 4–6 mA People Protection. ■								
	120 Vac—10 k AIR		120/240 Vac—10 k AIR		208Y/120 Vac—10 k AIR			
15 A	QOB115GFI	248.	QOB215GFI	444.	QOB315GFI	791.		
20 A	QOB120GFI	248.	QOB220GFI	444.	QOB320GFI	791.		
25 A	QOB125GFI	248.	QOB225GFI	444.	—	—		
30 A	QOB130GFI	248.	QOB230GFI	444.	QOB330GFI	791.		
40 A	—	—	QOB240GFI	444.	QOB340GFI	791.		
50 A	—	—	QOB250GFI	444.	QOB350GFI	791.		
60 A	—	—	QOB260GFI ♦	444.	—	—		
QOB-VHGFI ★								
	120 Vac—22 k AIR							
15 A	QOB115VHGFI	497.						
20 A	QOB120VHGFI	497.						
25 A	QOB125VHGFI	497.						
30 A	QOB130VHGFI	497.						
QOB-EPD—QOB Equipment protection circuit breakers with UL Listed 30 mA (EPD) or 100 mA (EPE) equipment protection.								
	120 Vac—10 k AIR		120/240 Vac—10 k AIR		240 Vac—10 k AIR			
15 A	QOB115EPD	417.	QOB215EPD	671.	QOB315EPD ♦	1077.	QOB315EPE ♦	1077.
20 A	QOB120EPD	417.	QOB220EPD	671.	QOB320EPD ♦	1077.	QOB320EPE	1077.
25 A	QOB125EPD	417.	QOB225EPD	671.	—	—	—	—
30 A	QOB130EPD	417.	QOB230EPD	671.	QOB330EPD ♦	1077.	QOB330EPE ♦	1077.
40 A	—	—	QOB240EPD	671.	QOB340EPD ♦	1077.	QOB340EPE ♦	1077.
50 A	—	—	QOB250EPD	671.	QOB350EPD ♦	1077.	QOB350EPE ♦	1077.
60 A	—	—	QOB260EPD	671.	—	—	—	—
QOB-VHEPD								
	120 Vac—22 k AIR							
15 A	QOB115VHEPD	772.						
20 A	QOB120VHEPD	772.						
25 A	QOB125VHEPD	772.						
30 A	QOB130VHEPD	772.						
QOB-HM—High magnetic trip circuit breakers								
15 A	QOB115HM▼	39.80						
20 A	QOB120HM▼							
QOB-K—Key operated QOB circuit breakers △								
	120 Vac—10 k AIR							
10 A	QOB110K	168.						
15 A	QOB115K	168.						
20 A	QOB120K	168.						
25 A	QOB125K	168.						
30 A	QOB130K	168.						

Table 9.21: Standard Interrupting QOB 10,000 AIR Circuit Breakers

Ampere Rating ▲	One-pole		Two-pole—Common Trip		Two-pole—Common Trip ◊		Three-pole—Common Trip	
	Catalog No.	$ Price	Catalog No.	$ Price	Catalog No.	$ Price	Catalog No.	$ Price
QOB Bolt-On								
	120 Vac—10 k AIR 48 Vdc—5 k AIR		120/240 Vac—10 k AIR 48 Vdc—5 k AIR ▽		240 Vac—10 k AIR		240 Vac—10 k AIR 48 Vdc—5 k AIR ▽	
10 A	QOB110	39.80	QOB210	89.	—	—	QOB310	293.
15 A	QOB115☆▼	39.80	QOB215☆	89.	QOB215H	240.	QOB315☆	293.
20 A	QOB120☆▼	39.80	QOB220☆	89.	QOB220H	240.	QOB320☆	293.
25 A	QOB125☆	39.80	QOB225☆	89.	QOB225H	240.	QOB325☆	293.
30 A	QOB130☆	39.80	QOB230☆	89.	QOB230H	240.	QOB330☆	293.
35 A	QOB135☆	39.80	QOB235☆	89.	—	—	QOB335☆	293.
40 A	QOB140☆	39.80	QOB240☆	89.	QOB240H	240.	QOB340☆	293.
45 A	QOB145☆	39.80	QOB245☆	89.	—	—	QOB345☆	293.
50 A	QOB150☆	39.80	QOB250☆	89.	QOB250H	240.	QOB350☆	293.
60 A	QOB160☆	39.80	QOB260☆	89.	QOB260H	240.	QOB360☆	293.
70 A	QOB170☆	78.	QOB270☆	168.	QOB270H	308.	QOB370☆▽	369.
80 A	—	—	QOB280☆▽	240.	QOB280H	366.	QOB380☆▽	419.
90 A	—	—	QOB290☆▽	240.	QOB290H	366.	QOB390☆▽	419.
100 A	—	—	QOB2100☆▽	240.	QOB2100H	366.	QOB3100☆▽	419.
110 A	—	—	QOB2110☆▽	501.	—	—	—	—
125 A	—	—	QOB2125☆▽	501.	—	—	—	—
Molded Case Switch 60 A max—240 Vac			QOB200	89.	—	—	QOB300	293.
Molded Case Switch 100 A max—240 Vac			QOB2000	234.	—	—	QOB3000	507.

Table 9.22: High Interrupting QOB and Specialty Circuit Breakers

Ampere Rating ▲	One-pole		Two-pole—Common Trip		Three-pole—Common Trip	
	Catalog No.	$ Price	Catalog No.	$ Price	Catalog No.	$ Price
QOB-VH						
	120 Vac—22 k AIR		120/240 Vac —22 k AIR		240 Vac—22 k AIR	
15 A	QOB115VH☆▼	72.	QOB215VH☆	171.	QOB315VH☆	440.
20 A	QOB120VH☆▼	72.	QOB220VH☆	171.	QOB320VH☆	440.
25 A	QOB125VH☆	72.	QOB225VH☆	171.	QOB325VH☆	440.
30 A	QOB130VH☆	72.	QOB230VH☆	171.	QOB330VH☆	440.
40 A	QOB140VH	86.	QOB240VH☆	171.	QOB340VH☆	440.
50 A	QOB150VH	86.	QOB250VH☆	171.	QOB350VH☆	440.
60 A	QOB160VH	86.	QOB260VH☆	171.	QOB360VH☆	440.
70 A	QOB170VH	137.	QOB270VH☆	273.	QOB370VH☆	560.
80 A	—	—	QOB280VH☆	384.	QOB380VH☆	629.
90 A	—	—	QOB290VH☆	384.	QOB390VH☆	629.
100 A	—	—	QOB2100VH☆	384.	QOB3100VH☆	629.
110 A	—	—	QOB2110VH☆	1110.	QOB3110VH ◒	1809.
125 A	—	—	QOB2125VH☆	1110.	QOB3125VH ◒	1809.
150 A	—	—	QOB2150VH ◒	1223.	QOB3150VH ◒	1809.
QHB						
	120 Vac—65 k AIR		120 Vac/240 Vac—65 k AIR		240 Vac—65 k AIR	
15 A	QHB115☆▼	122.	QHB215☆	342.	QHB315☆	596.
20 A	QHB120☆▼	122.	QHB220☆	342.	QHB320☆	596.
25 A	QHB125☆	122.	QHB225☆	342.	QHB325☆	596.
30 A	QHB130☆	122.	QHB230☆	342.	QHB330☆	596.
QOB-HID—HID circuit breakers □						
	120 Vac—10 k AIR		120/240 Vac—10 k AIR		240 Vac—10 k AIR	
15 A	QOB115HID▼	49.50	QOB215HID	108.	QOB315HID	327.
20 A	QOB120HID▼	49.50	QOB220HID	108.	QOB320HID	327.
25 A	QOB125HID	49.50	QOB225HID	108.	QOB325HID	327.
30 A	QOB130HID	49.50	QOB230HID	108.	QOB330HID	327.
40 A	QOB140HID	49.50	QOB240HID	108.	—	—
50 A	QOB150HID	49.50	QOB250HID	108.	—	—
QOB-SWN—Switch Neutral—Common Trip—NEC 514.11						
			1-pole—2-Wire 2 Spaces —120 Vac		2-pole—3-Wire 3 Spaces—120/240 Vac	
10 A	—	—	QOB210SWN	116.	QOB310SWN	170.
15 A	—	—	QOB215SWN	116.	QOB315SWN	170.
20 A	—	—	QOB220SWN	116.	QOB320SWN	170.
25 A	—	—	QOB225SWN	116.	QOB325SWN	170.
30 A	—	—	QOB230SWN	116.	QOB330SWN	170.
40 A	—	—	QOB240SWN	116.	QOB340SWN	170.
50 A	—	—	QOB250SWN	116.	QOB350SWN	170.

(Footnotes for Tables 9.20, 9.21, and 9.22)

- ▲ 10–30 A circuit breakers are suitable for use with 60 °C or 75 °C conductors. 35–60 A circuit breakers are suitable for use with 75 °C conductors.
- ■ Do not connect to more than 250 feet of load conductor for the total one-way run to prevent nuisance tripping.
- ♦ Suitable only for feeding 240 Vac and 208 Vac two-wire loads. Does not contain load neutral connection.
- ★ Recommended for applications where high initial inrush may occur and for individual dimmer applications.
- ▼ UL Listed as SWD (switching duty) rated suitable for switching 120 Vac fluorescent lighting loads.
- △ Available in single pole construction and can be mounted in any single pole space which will accept a standard QOB. These circuit breakers can be turned ON or OFF or RESET with a special key (Catalog No. QOK10) included with the circuit breaker. These circuit breakers are UL Listed and available as shown in the table.
- □ UL Listed for use on circuit feeding fluorescent and High Intensity Discharge (HID) lighting systems such as mercury vapor, metal halide, or high pressure sodium. These circuit breakers are physically interchangeable with QOB circuit breakers.
- ◊ UL Listed 5,000 AIR on 3Ø corner grounded delta systems.
- ☆ UL Listed as HACR type for use with air conditioning, heating, and refrigeration equipment having motor group combinations and marked for use with HACR type circuit breakers.
- ▽ DC Rating is not available on indicated products.
- ◒ QOB2150VH uses 4 pole spaces. QOB3110VH, QOB3125VH, and QOB3150VH each use 6 pole spaces. 40A maximum circuit breaker mounted opposite. Use with 75 °C wire only.
- * For QO plug-on circuit breaker pricing, see the tables starting on Digest page 1–2.
- ♦ See note in Instruction Bulletin when using in an enclosure with a QO403 or QON prefix.

Table 9.23: QO/QOB Circuit Breaker Wire Sizes

Breaker Type	Ampere Rating ◑	Wire Size (AWG)	
		Al	Cu
QOB 1-pole	10–30 A	#14–8	#14–8
	10–30 A	—	two #14–10
	35–70 A	#8–2	#8–2
QOB 2-pole	10–30 A	#14–8	#14–8
	10–30 A	—	two #14–10
	35–70 A	#8–2	#8–2
	80–125 A	#4–2/0	#4–2/0
	150–200 A	#4–300 kcmil	#4–300 kcmil
QOB 3-pole	10–30 A	#14–8	#14–8
	35–70 A	#8–2	#8–2
	80–125 A	#4–2/0	#4–2/0
QOB-VH	110–150 A	#4–300 kcmil	#4–300 kcmil
QOB-GFI and QOB-EPD	15–30 A	#12–8	#14–8
	40, 50, or 60 A	#12–4	#14–6

◑ 10–30 A circuit breakers are suitable for use with 60 °C or 75 °C conductors. 35–60 A circuit breakers are suitable for use with 75 °C conductors.

Table 9.24: QO™ Arc-Fault Circuit Breakers ✪ ◪

Circuit Breaker Type	Ampere Rating ♦	1P 120 Vac 10 kAIR 1 Space Required		1P 120 Vac 22 kAIR 1 Space Required	
		Catalog Number	$ Price	Catalog Number	$ Price
Combination Arc-Fault Interupter	15 A	QOB115CAFI	306.	QOB115VHCAFI	612.
	20 A	QOB120CAFI	306.	QOB120VHCAFI	612.

Note: See Digest page 7-12 for accessories.

- ✪ UL Listed as HACR type for use with air conditioning, heating, and refrigeration equipment having motor group combinations and marked for use with HACR type circuit breakers.
- ◪ QO arc-fault circuit breakers provide branch feeder protection (for example, QO115AFI) or combination protection (for example, QO115CAFI) as required by the NEC and local code adoption, and comply with UL 1699.
- ♦ 10–30 A circuit breakers are suitable for use with 60 °C or 75 °C conductors. 35–60 A circuit breakers are suitable for use with 75 °C conductors.

Table 9.25: Base Price (With Solid Neutral)

Mains Rating	Main Lugs		Main Circuit Breaker (Circuit Breaker Interrupt Rating—pages 6-2 through 6-8) ▲										
			Standard IC			HIC			Extra HIC			I-Limiter™	
	$ Price		Circuit Breaker	$ Price		Circuit Breaker	$ Price		Circuit Breaker	$ Price		Circuit Breaker	$ Price	
	2-pole	3-pole		2-pole	3-pole		2-pole	3-pole		2-pole	3-pole		2-pole	3-pole
60 A	—	—	QOB	1192.	1464.	QOB-VH	1258.	1586.	HJ▲	2950.	3300.	FI	4088.	4858.
100 A	720.	832.	QOB	1254.	1562.	QOB-VH	1382.	1712.	HJ▲	2950.	3300.	FI	4088.	4858.
	720.	832.								2950.	3300.	FI	4088.	4858.
	720.	832.	HD	2030.	2380.	HG	2700.	3050.		2950.	3300.	FI	4088.	4858.
150 A♦	—	—	HD	3180.	3530.	HG	3840.	4190.	HJ▲	4000.	4350.	—	—	—
225 A♦	772.	928.	QB JD QD	2450. 3980. 3084.	2800. 4300. 3434.	QG JG	3740. 4510.	4090. 5100.	QJ JJ▲	3970. 6450.	4320. 7280.	KI	7436.	8680.
250 A♦	—	—	JD	4390.	4640.	JG	5040.	6020.	JJ▲	7100.	8020.	KI	8264.	9672.
400 A♦	1422.	1634.	LA	5366.	6106.	LH	7708.	8834.	LJ	10624.	10624.	LR	13552.	13552.
600 A■♦	2082.	2326.	—	—	—	—	—	—	LJ	12930.	12930.	LR	16002.	16002.

Note: Equipment Ground Bar—**38.**

▲ QL, HJ, HL, JJ, and JL circuit breakers are also available.
■ Copper bus standard
♦ Prices are for 54-circuit and fewer interiors. See the Product Selector for 72- and 84-circuit interior pricing.

Table 9.26: Branch Circuit Breakers

Circuit Breaker Ampere Rating	Plug-On or Bolt-On				
	$ Price				
	1-pole 120 Vac	2-pole 120/240 Vac	2-pole 240 Vac	3-pole 240 Vac	3-pole 208Y/120 Vac
Space Only					
All Space Only except below	28.	58.	58.	86.	—
QOB–VH, Space Only (125–150 A)	—	116.	—	174.	—
10,000 AIR—Branch Circuit Breakers—QO™, QOB, QO-H, QOB-H					
15–60 A	68.	134.	260. ★	352.	—
70 A	100.	208.	296. ★	396.	—
80–100 A	—	262.	380. ★	458.	—
110–125 A	—	482.	—	—	—
10,000 AIR—Combination Arc Fault Circuit Interrupters—QO-CAFI, QOB-CAFI					
15–20 A	470.	—	—	—	—
10,000 AIR—Qwik–Gard™—Class A—QO-GFI, QOB-GFI Provided with a 5 mA setting on ground fault sensor					
15–30 A	272.	488.	—	—	920.
40–50 A	—	488.	—	—	920.
60 A	—	488.	—	—	—
10,000 AIR—Qwik–Gard—Class A—QO-EPD, QOB-EPD Provided with a 30 mA setting on ground fault sensor					
15–30 A	462.	828.	—	1210.	—
40–50 A	—	828.	—	1210.	—
60 A	—	828.	—	—	—
10,000 AIR—Qwik–Gard—Class A—QO-EPE, QOB-EPE Provided with a 100 mA setting on ground fault sensor					
15–30 A	—	—	—	1210.	—
40–50 A	—	—	—	1210.	
(High Interrupting Capacity) 22,000 AIR Branch Circuit Breakers—QO-VH, QOB-VH					
15–30 A	92.	212.	—	462.	—
35–60 A	—	212.	—	462.	—
70 A	—	292.	—	556.	—
80–100 A	—	378.	—	606.	—
110–125 A	—	1022.	—	1746.▼	—
150 A	—	1140. ▼	—		—
22,000 AIR—Combination Arc Fault Circuit Interrupters—QO-VHCAFI, QOB-VHCAFI					
15–20 A	680.	—	—	—	—
22,000 AIR—Qwik-Gard—Class A—QO-VHGFI, QOB-VHGFI					
15–30 A	575.	—	—	—	—
42,000 AIR Branch Circuit Breakers—QOH					
35–60 A	—	368. △	—	—	—
70 A	—	596. △	—	—	—
80–100 A	—	688. △	—	—	—
110–125 A	—	1402. △	—	—	—
65,000 AIR Branch Circuit Breakers—QH, QHB					
15–30 A	144.	348.	—	596.	—

Note: Shunt Trip, Auxiliary Switch, and Alarm Switch—accessories for circuit breakers—add $ Price from page 7-12.

★ UL Listed for use on 3Ø, grounded BØ systems, (5,000 AIR for this application).
▼ Bolt-on only; 2-pole requires 4 vertical spaces, 3-pole requires 6 vertical spaces.
△ Plug-on only.

Table 9.27: Specialty Branch Circuit Breakers

Circuit Breaker Ampere Rating	Plug-On or Bolt-On			
	$ Price			
	1-pole 120 Vac	2-pole 120/240 Vac	2-pole 240 Vac	3-pole 240 Vac
Specialty Branch Circuit Breakers (10,000 AIR)				
For High Intensity Discharge Lighting—QO-HID, QOB-HID				
15–30 A	78.	148.	—	376.
40–50 A	78.	148.	—	—
Switch Neutral—QO-SWN, QOB-SWN				
15–50 A	—	1-pole 2-wire (2 spaces)	—	2-pole 3-wire (3 spaces)
	—	154.	—	220.
High Magnetic Trip (For applications subject to high initial inrush)—QO-HM, QOB-HM				
15–20 A	68.	—	—	—

Sub-feed Circuit Breakers

Main lugs or main circuit breaker interior—1Ø or 3Ø. Maximum 1 circuit breaker per 225 A main lug or 250 A main circuit breaker panelboard, 2 circuit breakers per 400–600 A panelboard.

Table 9.28: Sub-feed Circuit Breaker (110–225 A)
(SeeTable 9.29 for correct box size.)

No. of Poles	Ampacity	QB	QD	QG	HD	HG	JD	JG
2	110–225 A	1218.	1762.	3812.	2456.	3500.	3020.	4220.
3	110–225 A	1848.	2296.	4608.	2872.	3798.	3370.	5100.
Space	110–225 A	826.	826.	826.	826.	826.	826.	826.

□ QJ, HJ, HL, JJ, and JL circuit breakers are also available.

Table 9.29: Sub-feed Circuit Breaker Cabinet Data

Max. No. of Branch Spaces (Does not include sub-feed circuit breaker spaces)	Box Height (20 in. W x 5.75 in. D)					
	225 A	250 A	400 A		600 A	
	Main Lug	Main Circuit Breaker	Main Lug	Main Circuit Breaker	Main Lug	Main Circuit Breaker
30	50	62	74	86	74	Not available with MCB
42	56	68	74	86	80	
54	56	68	80	—	80	
72	62	74	86	—	86	
84	68	80	—	—	—	

◊ Not Available in Type 3R, 5, 12 if subfeed breaker is over 150 A.

Sub-feed Lugs

NOTE: *Available on main lug interiors only, 1Ø or 3Ø.*

Table 9.30: Sub-feed Wire Range Per Phase

Mains Rating	Incoming	Outgoing	Price per Panel
100	one #6-2/0 Al or Cu	one #6-2/0 Al or Cu	**$128.**
225	one 1/0-350 kcmil Al or Cu	one 1/0-350 kcmil Al or Cu	**$128.**
400	one 1/0-750 kcmil Cu only	one 1/0-750 kcmil Cu only	**$164.**

Table 9.31: Sub-feed Lug Cabinet Data

Max. No. of Branch Spaces	Box Height (20 in. W x 5.75 in. D)		
	100 A	225 A	400 A
18	MH26	—	—
30	MH32	MH38	MH50
42	—	MH44	MH50
54	—	MH44	MH50
72	—	MH50	MH62
84	—	MH56	MH68

Feed-through Lugs

Table 9.32: Feed-through Lugs

Mains Rating	Feed-Through Wire Range Per Phase	$ Price
100 A	one #6-2/0 Al or Cu	**344.**
225 A	one #6–350 kcmil Al or Cu	**344.**
400 A	one 1/0–750 kcmil or two 1/0–350 kcmil Al or Cu	**826.**
600 A	two 1/0–750 kcmil Al or Cu	**826.**

Table 9.33: Feed-through Lug Cabinet Data

Max. No. of Branch Spaces	Box Height (20 in. W x 5.75 in. D)					
	225 A	250 A	400 A		600 A	
	Main Lugs	Main Circuit Breaker	Main Lugs	Main Circuit Breaker	Main Lugs	Main Circuit Breaker ▲
30	38	50	50	62	62	68
42	38	50	56	68	62	80
72	50	62	68	80	74	—
84	56	68	68	80	80	—

▲ 8.75 in. deep box, ship fully assembled only.

Table 9.34: Ground Bars

Ground Bars	$ Price Adder
Equipment Ground Bar	**38.**
Copper Ground Bar (add to Equipment Ground Bar price)	**52.**
Insulated/Isolated Ground Bar (add to Equipment Ground Bar price)	**86.**

Table 9.35: Name Plates

Name Plates	$ Price Adder
Standard white face/black letter laminated bakelite, 1 in. x 3.5 in., adhesive backed or screw mountable with screws in a bag assembly (price includes engraving)	**78.**

Table 9.36: Copper Bus Bars

Copper Bus Bars	$ Price Adder
100 A, 225 A, 250 A	**128.**
400 A	**388.**
600 A	Standard

Table 9.37: Copper Neutrals

Copper Neutrals	$ Price Adder
100–600 A	**132.**

Table 9.38: 200% Rated Neutrals

Panelboards with 200% rated neutrals are not available with 250 A J- and K-frame main circuit breakers or integral lighting contactors		Add Per Panel $ Price
100 A▲	one #6-2/0 kcmil Al or Cu per lug	**586.**
225 A▲	one #6-350 kcmil Al or Cu per lug	**763.**
400 A▲	one #1/0-750 kcmil Al or Cu per lug or two 1/0-300 kcmil per lug	**950.**

▲ Two incoming neutral lugs per panel

Table 9.39: NQ Main Neutral Conductors—Required Size and Quantity

Panelboard Ampacity	Neutral Conductors Required	Actual Lug Wire Range
100/125	(2) 1/0 Cu or Al	(2) #4-300kcmil
225	(2) 4/0 Cu or (2) 300 kcmil Al	(2) #4-300 kcmil
400 A	(4) 3/0 Cu or (4) 250 kcmil Al (2) 600 kcmil Cu (2) 750 kcmil Al	(2) 1/0-300 kcmil or (1) 750 kcmil

Note: Neutral conductors must be of size and quantity per table above.

Table 9.40: Metal Directory Frames

Metal Directory Frame	$ Price Adder
Replaces standard plastic stick-on directory pouch	**140.**

Table 9.41: Hinged Door-in-Door Trims

Hinged Door-in-Door Trim	Add Per Panel $ Price
Hinged Door-in-Door Trim has piano hinge down one side. Inner door has a lock, outer door is retained with screws	**646.**
Hinged Door-in-Door with Outer Door Lock in place of screws	**836.**

Table 9.42: Weatherproof or Dusttight Cabinets—Type 3R, 5, 12

Weatherproof or Dusttight Cabinets	$ Price Adder
Note: 600 A L-Frame main circuit breaker NQ panelboards are not available with a weatherproof enclosure (Use I-Line) 400 and 600 A NQ panelboards with sub-feed circuit breakers are not available with a weatherproof enclosure (Use I-Line). 400 A NQ panelboards are available with a subfeed breaker up to 150 A. See Table 9.29 on page 9-11.	**1516.**

Table 9.43: Optional Factory Assembled Lugs for Main Lug Interiors

Main Lug Interiors:	Price Per Pole Adder			
	100A	225A	400A	600A
Aluminum Compression Lugs	**58.**	**58.**	**148.**	**148.**
Copper Mechanical Lugs	**70.**	**108.**	**148.**	**168.**
Copper Compression Lugs	**70.**	**108.**	**148.**	**168.**

Table 9.44: Optional Factory Assembled Lugs for Main Circuit Breaker Interiors

Main Circuit Breaker Interiors:	Price Per Pole Adder			
	H Frame	J Frame	LA Frame	LC Frame
Aluminum Compression Lugs	**58.**	**98.**	**148.**	**148.**
Copper Mechanical Lugs	**70.**	**108.**	**148.**	**168.**
Copper Compression Lugs	**70.**	**108.**	**148.**	**168.**

Note: Optional lugs are not available for Q frame main or QOB circuit breakers

Table 9.45: Surgelogic™ SurgeLoc Plug-On SPD ■

Surge Current Rating kA	Voltage		
	120 / 240 V	208 Y / 120 V	240 / 120 HLD
80 kA	**6170.**	**6540.**	**6540.**
100 kA	**6540.**	**7370.**	**7370.**
120 kA	**7370.**	**7870.**	**7870.**
160 kA	**8430.**	**8620.**	**8620.**
200 kA	**9720.**	**9770.**	**9770.**
240 kA	**10840.**	**12370.**	**12370.**

■ SurgeLogic units occupy 12 circuit positions (6 adjacent mounting spaces per side.)

Table 9.46: Surgelogic SPD Options

Description	$ Price
Surge Counter	Standard
Dry Contacts	Standard
Remote Monitor	**2588.**

Note: Additional factory modifications, See Digest page 9-38.

Table 9.47: NF Main Lug Interiors—Use I-Line™ Panelboards on 480 V 3Ø3W Delta Applications

Max No. of Single Pole EDB Circuit Breakers	Mains Rating	$ Total Price ▲		Interior Only ■		NEMA 1 Enclosure						NEMA 3R, 5, 12 Enclosure △		
						Box 20 in. W x 5.75 in. D ★		Mono-Flat™ Front ▼		Hinged Front		Enclosure 20 in. W x 6.5 in. D		Height (In.)
		NEMA 1	NEMA 3R, 5, 12	Catalog No. ♦	$ Price	Catalog No.	$ Price	Catalog No.	$ Price	Catalog No.	$ Price	Catalog No.	$ Price	
(Single Phase 3-Wire: Factory Assembled Only) Three Phase 4-Wire														
18	125	**2056.**	**3638.**	NF418L1	**1446.**	MH26	**113.**	NC26( )	**497.**	NC26( )HR	**620.**	MH26WP	**2192.**	26
		2448.	**4030.**	NF418L1C	**1838.**	MH26		NC26( )		NC26( )HR		MH26WP		
30	125	**2406.**	**3970.**	NF430L1	**1766.**	MH32	**113.**	NC32( )	**527.**	NC32( )HR	**657.**	MH32WP	**2204.**	32
		2802.	**4366.**	NF430L1C	**2162.**	MH32		NC32( )		NC32( )HR		MH32WP		
30	250	**2881.**	**4435.**	NF430L2	**2219.**	MH38	**113.**	NC38( )	**549.**	NC38( )HR	**687.**	MH38WP	**2216.**	38
		3286.	**4840.**	NF430L2C	**2624.**	MH38		NC38( )		NC38( )HR		MH38WP		
42	250	**3194.**	**5021.**	NF442L2	**2418.**	MH44	**113.**	NC44( )	**663.**	NC44( )HR	**830.**	MH44WP	**2603.**	44
		3602.	**5429.**	NF442L2C	**2826.**	MH44		NC44( )		NC44( )HR		MH44WP		
54	250	**4370.**	**6067.**	NF454L2	**2616.**	MH50	**113.**	NC50( )	**729.**	NC50( )HR	**912.**	MH50WP	**2609.**	56
		4775.	**6472.**	NF454L2C	**3021.**	MH50		NC50( )		NC50( )HR		MH50WP		
66□	250	**4800.**	**6485.**	NF466L2	**3800.**	MH62	**113.**	NC62( )	**887.**	NC62( )HR	**887.**	MH62WP	**2685.**	62
		5442.	**7127.**	NF466L2C	**4442.**	MH62		NC62( )		NC62( )HR		MH62WP		
30	400	**3308.**	**5075.**	NF430L4	**2466.**	MH50	**113.**	NC50V( )	**729.**	NC50V( )HR	**912.**	MH50WP	**2609.**	50
		3716.	**5483.**	NF430L4C	**2874.**	MH50		NC50V( )		NC50V( )HR		MH50WP		
42	400	**3572.**	**5325.**	NF442L4	**2673.**	MH56	**113.**	NC56V( )	**786.**	NC56V( )HR	**983.**	MH56WP	**2652.**	56
		3895.	**5648.**	NF442L4C	**2996.**	MH56		NC56V( )		NC56V( )HR		MH56WP		
66□	400	**5285.**	**6957.**	NF466L4	**4200.**	MH74	**113.**	NC74V( )	**972.**	NC74V( )HR	**1215.**	MH74WP	**2757.**	74
		5792.	**7464.**	NF466L4C	**4707.**	MH74		NC74V( )		NC74V( )HR		MH74WP		
84□	400	**6524.**	**8261.**	NF484L4	**5346.**	MH86	**113.**	NC86V( )	**1065.**	NC86V( )HR	**1430.**	MH86WP	**2915.**	86
		7169.	**8906.**	NF484L4C	**5991.**	MH86		NC86V( )		NC86V( )HR		MH86WP		
30	600	**3838.**	—	NF430L6C	**2996.**	MH50	**113.**	NC50V( )	**729.**	NC50V( )HR	**912.**	Factory Assembled Only		50
42	600	**4087.**	—	NF442L6C	**3188.**	MH56	**113.**	NC56V( )	**786.**	NC56V( )HR	**983.**			56
66□	600	**6094.**	—	NF466L6C	**5009.**	MH74	**113.**	NC74V( )	**972.**	NC74V( )HR	**1215.**			74
84□	600	**7553.**	—	NF484L6C	**6375.**	MH86	**113.**	NC86V( )	**1065.**	NC86V( )HR	**1430.**	—	—	—
	800	Factory Assembled Only												

Table 9.48: NF Main Circuit Breaker Interiors—Use I-Line Panelboards on 480 V 3Ø3W Delta Applications

Max. No. of One-pole EDB Circuit Breakers	Mains Rating	$ Total Price ▲		Main Circuit Breaker Adapter Kit		Main Circuit Breaker Frame	Interior Only ■		NEMA 1 Enclosure						NEMA 3R, 5, 12 Enclosure △		
									Box 20 in. W x 5.75in. D ★		Mono-Flat™ Front ▼		Hinged Front		Enclosure 20 in. W x 6.5 in. D		Height (In.)
		NEMA 1	NEMA 3R, 5, 12	Kit	$ Price		Catalog No. ♦	$ Price	Catalog No.	$ Price	Catalog No.	$ Price	Catalog No.	$ Price	Catalog No.	$ Price	
(Single Phase 3-Wire: Factory Assembled Only) Three Phase 4-Wire																	
15	125	**2056.**	**3638.**	Back-fed Main Breaker◊	—	EDB, EGB or EJB	NF418L1	**1446.**	MH26	**113.**	NC26( )	**497.**	NC26( )HR	**620.**	MH26WP	**2192.**	26
		2448.	**4030.**				NF418L1C	**1838.**	MH26		NC26( )		NC26( )HR		MH26WP		
27	125	**2406.**	**3970.**		—		NF430L1	**1766.**	MH32	**113.**	NC32( )	**527.**	NC32( )HR	**657.**	MH32WP	**2204.**	32
		2802.	**4366.**				NF430L1C	**2162.**	MH32		NC32( )		NC32( )HR		MH32WP		
18	125	**2888.**	**4442.**	N150MH or N100MFI☆	**780.**	HD/HG/ HJ/HL or FI	NF418L1	**1446.**	MH38	**113.**	NC38( )	**549.**	NC38( )HR	**687.**	MH38WP	**2216.**	38
		3280.	**4834.**				NF418L1C	**1838.**	MH38		NC38( )		NC38( )HR		MH38WP		
30	125	**3322.**	**5149.**				NF430L1	**1766.**	MH44	**113.**	NC44( )	**663.**	NC44( )HR	**830.**	MH44WP	**2603.**	44
		3718.	**5545.**				NF430L1C	**2162.**	MH44		NC44( )		NC44( )HR		MH44WP		
30	250	**3841.**	**5608.**	N250MJ or N250MKC☆	**780.**	JD/JG/ JJ/JL or KI	NF430L2	**2219.**	MH50	**113.**	NC50( )	**729.**	NC50( )HR	**912.**	MH50WP	**2609.**	50
		4246.	**6013.**				NF430L2C	**2624.**	MH50		NC50( )		NC50( )HR		MH50WP		
42	250	**4097.**	**5850.**		**780.**		NF442L2	**2418.**	MH56	**113.**	NC56( )	**786.**	NC56( )HR	**983.**	MH56WP	**2652.**	56
		4505.	**6258.**				NF442L2C	**2826.**	MH56		NC56( )		NC56( )HR		MH56WP		
54	250	**5278.**	**6947.**		**780.**		NF454L2	**2616.**	MH62	**113.**	NC62( )	**786.**	NC62( )HR	**983.**	MH62WP	**2652.**	56
		5683.	**7352.**				NF454L2C	**3021.**	MH62		NC62( )		NC62( )HR		MH62WP		
66□	250	**5665.**	**7337.**		**780.**		NF466L2	**3800.**	MH74	**113.**	NC74( )	**972.**	NC74( )HR	**1215.**	MH74WP	**2757.**	74
		6307.	**7979.**				NF466L2C	**4442.**	MH74		NC74( )		NC74( )HR		MH74WP		
30	400	**4246.**	**5931.**	N400M☆	**780.**	LA/LH	NF430L4	**2466.**	MH62	**113.**	NC62V( )	**887.**	NC62V( )HR	**1109.**	MH62WP	**2685.**	62
		4654.	**6339.**				NF430L4C	**2874.**	MH62		NC62V( )		NC62V( )HR		MH62WP		
42	400	**4514.**	**6195.**	N400M☆	**780.**		NF442L4	**2673.**	MH68	**113.**	NC68V( )	**948.**	NC68V( )HR	**1185.**	MH68WP	**2742.**	68
		4837.	**6518.**				NF442L4C	**2996.**	MH68		NC68V( )		NC68V( )HR		MH68WP		
66□	400	**6158.**	**7895.**	N400M☆	**780.**		NF466L4	**4200.**	MH86	**113.**	NC86V( )	**1065.**	NC86V( )HR	**1430.**	MH86WP	**2915.**	86
		6665.	**8402.**				NF466L4C	**4707.**	MH86		NC86V( )		NC86V( )HR		MH86WP		

▲ Total Price includes: interior, front, main circuit breaker adapter kit, and enclosure.
■ Order branch circuit breakers separately.
♦ "C" suffix indicates copper bussing.
★ Embossed mounting holes add a 0.25-inch standoff to back of MH box.
▼ Add "F" for flush mount, "S" for surface mount.
△ Enclosure includes trim kit.
□ Use only if the Local Jurisdiction where this panelboard interior is being applied has adopted the 2008 NEC, which allows single panelboard interiors greater than 42 circuits.
◊ Back-fed EDB 125 A 3 pole main circuit breaker must be ordered separately and field installed. Maximum breaker rating opposite is 20A.
☆ Select the appropriate main circuit breaker from pages starting on 7-21 and add the circuit breaker Price to the total Price of the panelboard.

Table 9.49: NF Merchandised SPD Box Selection Table

Mains Rating	Max. Breaker Spaces	Main Lug Panelboard Box Requirements								Main Circuit Breaker Panelboard Box Requirements							
		NEMA 1 Enclosure						NEMA 3R, 5, 12 Enclosure		NEMA 1 Enclosure						NEMA 3R, 5, 12 Enclosure	
		Box	$ Price	Front	$ Price	Hinged	$ Price	Enclosure	$ Price	Box	$ Price	Front	$ Price	Hinged	$ Price	Enclosure	$ Price
250A	42	MH56	**113.**	NC56( )	**887.**	NC56( )HR	**1109.**	MH56WP	**2685.**	MH68	**113.**	NC68( )	**972.**	NC68( )HR	**1215.**	MH68WP	**2742.**
400 A	42	MH68		NC68V( )	**972.**	NC68V( )HR	**1215.**	MH68WP	**2757.**	MH80		NC80( )	**1722.**	M/B NC80V( )HR	**1430.**	MH80WP	**2915.**

Table 9.50: NF Merchandised Neutrals

Mains Ampacity	200% Neutral Kit				Copper 100% Neutral Kit			
	Catalog No.	$ Price	Box Add	Schedule	Catalog No.	$ Price	Box Add	Schedule
125	NFNL1	**1029.**	No Adder	PE-1A	NFN1CU	**405.**	No Adder	PE-1A
250	NFNL2	**1277.**			NFN2CU			
400	NFNL4▲	**1914.**	No Adder	PE-1A	NFN6CU	**1148.**	No Adder	PE-1A
600	Factory Assembled Only				NFN6CU▲			

▲ Not to be used with SFL, FTL, or SFB. These combinations are factory assembled only.

Table 9.51: Modifications (Single- or Three-phase)

Mains Ampacity	Sub-feed Lugs ■ ♦			Feed-through Lugs ■ ♦		
	Catalog No.	$ Price	Schedule	Catalog No.	$ Price	Schedule
125	NF125SFL	**167.**	PE-1A	NF125FTL	**336.**	PE-1A
250	NF250SFL	**213.**	PE-1A	NF250FTL	**476.**	PE-1A
400	NF400SFL▼	**356.**	PE-1A	NF400FTL	**507.**	PE-1A
600	△	—	—	△	—	—
800		—	—		—	—

Mains Ampacity	Sub-feed Circuit Breaker Kits ■ (circuit breaker not included) ★					Schedule
	Single Sub-feed Circuit Breaker			Twin Sub-feed Circuit Breakers		
	Catalog No.	$ Price	Schedule	Catalog No.	$ Price	
250	NF250SFBH/NF250SFBJ	**1029.**	PE-1A	—	—	—
400	—	—	—	NF600SFBH	**1290.**	PE1A
	—	—	—	NF600SFBJ		
600	FACTORY ASSEMBLED ONLY					
800	FACTORY ASSEMBLED ONLY					

Note: NF250SFBH and NF600SFBH are for use with HDL, HGL, HJL, and HLL circuit breakers. NF600SFBJ are for use with JDL, JGL, JJL, and JLL circuit breakers.

■ Available factory assembled only on non-linear panelboards.
♦ Select box from the Box Selection Table.
★ Order appropriate circuit breaker.
▼ Use copper wire only.
△ Available factory assembled only.

Table 9.52: Special Features Box Selection Table—Standard Mechanical Lugs Only

	Main Lugs Only												
Feature	Sub-feed Lugs					Feed-through Lugs					Sub-feed Circuit Breaker		
No. of Circuits	18	30	42	66	84	18	30	42	66	84	30	42	66
Ampacity	Cat. No.	Cat. No.	Cat. No.	Cat No.	Cat No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.
100/125	MH26	MH32	—	—	—	MH32	MH38	—	—	—	—	—	—
250	—	MH38	MH44	MH62	—	—	MH50	MH56	MH74	—	MH56	MH62	MH80
400	—	MH50	MH56	MH74	MH86	—	MH56	MH62	MH80	MH92	MH68	MH74	—
600	—	□	□	□	□	—	□	□	□	□	□	□	□
800													

□ Available factory assembled only.

Table 9.53: Special Features Box Selection Table—Standard Mechanical Lugs Only *(continued)*

	Vertical Main Circuit Breaker ◊						Back-fed Main Circuit Breaker	
Feature	Feed-through Lugs				Sub-feed Circuit Breaker		Feed-through Lugs	
No. of Circuits	18	30	42	66	30	42	18	30
Ampacity	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.
100/125	MH44	MH50	—	—	—	—	MH32	MH38
250	—	MH62	MH68	MH86	MH68	MH74	MH38	MH44
400◊	—	MH68	MH74	MH92	MH80	MH86	—	—
600	Available factory assembled only.						—	—

◊ 400 A dimension for LA/LH main circuit breakers only.

Table 9.54: Optional Main Lug Kits for Main Lug Panelboards

Ampacity	AL Compression Lug Kit				CU Mechanical Lug Kit				CU Compression Lug Kit ☆			
	Catalog No.	Lug Wire Range	$ Price	Schedule	Catalog No.	Lug Wire Range	$ Price	Schedule	Catalog No.	Lug Wire Range	$ Price	Schedule
125	NFALV1▽	one #4–300 kcmil	**177.**	PE-1A	NFCUM1	#6–2/0 AWG	**347.**	PE-1A	NFCUV1◒	one #6–1/0	**345.**	PE-1A
250	NFALV2	one 250–350 kcmil	**333.**		NFCUM2	#6–250 kcmil			NFCUV2◒	one 2/0–300 kcmil	**417.**	
400	NFALV4	two 2/0–500 kcmil	**1122.**	PE-1A	NFCUM4	one 1/0–750 kcmil, two 1/0–350 kcmil	**987.**	PE-1A	NFCUV4	one 400–750 kcmil	**767.**	PE-1A
600	NFALV6	two 2/0–500 kcmil	**1206.**	PE-1A	NFCUM6	two 1/0–750 kcmil	**2236.**	PE-1A	NFCUV6	two 250–500 kcmil	**1364.**	PE-1A
800	Contact your local Schneider Electric representative or distributor											

☆ Use copper wire only.
▽ Use of this kit requires an additional 6 in. added to box height.
◒ Use of this kit to terminate larger than standard wire size requires an additional 6 in. added to box height.

Table 9.55: NF Accessories

Description	Catalog No.	$ Price	Schedule
Aluminum Equipment Ground Bar	PK27GTA	**33.80**	DE-3A
Copper Equipment Ground Bar	PK27GTACU	**84.00**	PE-1A
Large Aluminum Lug for Equipment Ground Bar	PK23GTAL	**40.70**	DE-3A
Equipment Ground Bar Insulator Kit	PKGTAB	**43.80**	
Circuit I.D. number strips			
1–102 odd/even (left side numbered 1, 3, 5...101)	NF102OE	**7.90**	PE-1A
103–204 odd/even (left side numbered 103, 105, 107...203)	NF204OE		
1–102 sequential (left side numbered 1, 2, 3 ...102)	NF102S		
103–204 sequential (left side numbered 103, 104, 105... 204)	NF204S		
Rail and Deadfront Extensions			
6 in. Extension	NF6RDE	**252.00**	PE-1A
12 in. Extension	NF12RDE	**284.00**	
18 in. Extension	NF18RDE	**344.00**	

Description	Catalog No.	$ Price	Schedule
Filler plate (15 per package)	NFFP15	**113.00**∗	PE-1A
EXB Fixed padlock attachment, Lock ON/OFF for ED, EG, and EJ Circuit Breakers 1, 2, or 3 poles	EDPA	**26.00**	DE-2
EXB Fixed padlock attachment, Lock OFF only for ED, EG, and EJ Circuit Breakers 1, 2, or 3 poles	EDPAF	**30.00**	DE-2
Oversized Lugs for Neutral or Ground Bar			
#10 to #2 Al or #14 to #4 Cu	QO70AN	**9.90**	DE-3A
#4 to #1/0 Al or Cu	Q1100AN	**11.10**	
#1 to #4/0 Al or Cu	Q1150AN	**32.40**	
Drip Hood for 20 in. wide enclosures	MHT2DH20	**315.00**	PE-1A

∗ Filler plates are $7.50 each and must be ordered in packages of 15.

EDB-EPD
1-pole
with Alarm Switch

EDB, EGB, EJB
3-pole
15–125 A

EDB, EGB, EJB
1-pole
15–70 A

EDB, EGB, EJB
2-pole
15–125 A

Table 9.56: E-frame—125 A, Thermal-magnetic (480Y/277 Vac)

Ampere Rating	ED, EG, EJ (480Y/277 Vac)		"D" Interrupting Level 18 kA @ 480Y/277 Vac		"G" Interrupting Level 35 kA @ 480Y/277 Vac		"J" Interrupting Level 65 kA @ 480Y/277 Vac		Terminal Wire Range
	Hold	Trip	Catalog Number	$ Price	Catalog Number	$ Price	Catalog Number	$ Price	
1-pole, 277 Vac									
15 A	270	875	EDB14015▲■	150.	EGB14015▲■	255.	EJB14015▲■	408.	AL30FD #14–#6 Al or Cu
20 A			EDB14020▲■		EGB14020▲■		EJB14020▲■		
25 A			EDB14025■		EGB14025■		EJB14025■		
30 A			EDB14030■		EGB14030■		EJB14030■		
35 A	630	1800	EDB14035■	150.	EGB14035■	225.	EJB14035■	408.	AL100FD #14–2/0 Al or Cu
40 A			EDB14040■		EGB14040■		EJB14040■		
45 A			EDB14045■		EGB14045■		EJB14045■		
50 A			EDB14050■		EGB14050■		EJB14050■		
60 A			EDB14060		EGB14060		EJB14060		
70 A			EDB14070	302.	EGB14070	507.	EJB14070	812.	
2-pole, 480Y/277 Vac ♦									
15 A	270	875	EDB24015■	536.	EGB24015■	776.	EJB24015■	1241.	AL30FD #14–#6 Al or Cu
20 A			EDB24020■		EGB24020■		EJB24020■		
25 A			EDB24025■		EGB24025■		EJB24025■		
30 A			EDB24030■		EGB24030■		EJB24030■		
35 A	630	1800	EDB24035■	536.	EGB24035■	776.	EJB24035■	1241.	AL100FD #14–2/0 Al or Cu
40 A			EDB24040■		EGB24040■		EJB24040■		
45 A			EDB24045■		EGB24045■		EJB24045■		
50 A			EDB24050■		EGB24050■		EJB24050■		
60 A			EDB24060		EGB24060		EJB24060		
70 A			EDB24070	756.	EGB24070	1280.	EJB24070	2048.	
80 A	1000	2300	EDB24080	756.	EGB24080	1280.	EJB24080	2135.	AL100FD #14–2/0 Al or Cu
90 A			EDB24090		EGB24090		EJB24090		
100 A			EDB24100		EGB24100		EJB24100		
110 A			EDB24110	1946.	EGB24110	2586.	EJB24110	3879.	
125 A			EDB24125		EGB24125		EJB24125		
3-pole, 480Y/277 Vac									
15 A	270	875	EDB34015■	669.	EGB34015■	1131.	EJB34015■	1358.	AL30FD #14–#6 Al or Cu
20 A			EDB34020■		EGB34020■		EJB34020■		
25 A			EDB34025■		EGB34025■		EJB34025■		
30 A			EDB34030■		EGB34030■		EJB34030■		
35 A	630	1800	EDB34035■	669.	EGB34035■	1131.	EJB34035■	1358.	AL100FD #14–2/0 Al or Cu
40 A			EDB34040■		EGB34040■		EJB34040■		
45 A			EDB34045■		EGB34045■		EJB34045■		
50 A			EDB34050■		EGB34050■		EJB34050■		
60 A			EDB34060		EGB34060		EJB34060		
70 A			EDB34070	911.	EGB34070	1292.	EJB34070	2562.	
80 A	1000	2300	EDB34080	911.	EGB34080	1292.	EJB34080	2562.	AL100FD #14–2/0 Al or Cu
90 A			EDB34090		EGB34090		EJB34090		
100 A			EDB34100		EGB34100		EJB34100		
110 A			EDB34110	2421.	EGB34110	3216.	EJB34110	4826.	
125 A			EDB34125		EGB34125		EJB34125		
EPDs (Equipment Protection Devices), 1-pole, 277 Vac, Thermal-magnetic with 30 mA ground-fault protection★									
15 A	270	875	EDB14015EPD▲■	1151.	EGB14015EPD▲■	1256.	EJB14015EPD▲■	1409.	#14–#6 Cu or #12–#4 Al
20 A			EDB14020EPD▲■		EGB14020EPD▲■		EJB14020EPD▲■		
30 A			EDB14030EPD■		EGB14030EPD■		EJB14030EPD■		
40 A	630	1800	EDB14040EPD■	1151.	EGB14040EPD■	1256.	EJB14040EPD■	1409.	
50 A			EDB14050EPD■		EGB14050EPD■		EJB14050EPD■		

Note: All EDB, EGB, and EJB circuit breakers are UL Listed as HACR Type. For 50 °C calibration, use a CA suffix. NF branch circuit breakers are fungus proof as standard.

▲ UL Listed as SWD (Switching duty rated).
■ UL Listed as HID (High Intensity Discharge rated).
♦ UL Listed for use on 240 V Corner-grounded Delta Systems (Grounded B Phase). See data bulletin 2700DB0202.
★ All EPDs occupy two spaces, with or without Alarm Switch option. For alarm switch, add 158 list Price and the suffix BA.

Table 9.57: Factory installed Electrical Accessories

Auxiliary Switch (1A/1B)	Alarm Switch (NO)	Coil Burden Max. (VA)	Minimum Recommended Supply Transformer (VA)
		288	50
Monitors circuit breaker contact status and provides a remote signal indicating the circuit breaker contacts are OPEN or CLOSED. **Application** Max Load = 10 A @ 120 Vac 50/60 Hz Terminals for #14 AWG Cu wire	Used with control circuits and is actuated only when the circuit breaker has tripped. **Application** Max Load = 7 A @ 120 Vac 50/60 Hz Terminals for #14 AWG Cu wire.	Shunt Trip—Trips the circuit breaker from a remote location by means of a coil energized from a separate circuit. A 120 V shunt trip will operate at 55% or more of rated voltage. **Application** For use with momentary or maintained push button. 120 Vac 50/60 Hz Terminals for #14 AWG Cu wire.	

Table 9.58: Factory Installed Electrical Accessory Packages for ED, EG, EJ Circuit Breakers

Accessory Package	Suffix	$ Price
Auxiliary Switch/Alarm Switch Package▼△	AABA	312.
Shunt Trip Package▼△	SA	755.
Auxiliary Switch/Alarm Switch/Shunt Trip Package▼△	AABASA	1067.
Alarm Switch (N.O.) Package for EPDs only	BA	237.

▼ Accessory package takes an additional pole space.
△ Not available for EPD.

Table 9.59: Terminal Nut Insert Kit

Circuit Breaker Type	Qty. per Kit	Catalog No.	$ Price
ED, EG, EJ	3	TIKFD	17.40

Table 9.60: Handle Accessories

Circuit Breaker Type	No. of Poles	Catalog No.	$ Price
EXB Fixed Padlock Attachment, Lock ON/OFF			
ED, EG, EJ	1, 2, or 3	EDPA	39.00
EXB Fixed padlock attachment, Lock OFF only			
ED, EG, EJ	1, 2, or 3	EDPAF	45.00
EXB Removable padlock attachment, Lock OFF only			
ED, EG, EJ	1, 2, or 3	HPAFD	25.50
EXB Handle Ties			
ED, EG, EJ	Ties 2 – 1P	ECB2HT	16.80
	Ties 3 – 1P	ECB3HT	17.85

Table 9.61: Interrupt Ratings (kA)

	EDB	EGB	EJB
120 V	25	65	100
240 V	18 (1P), 25	35 (1P), 65	65 (1P), 100
480Y/277 V	18	35	65

Table 9.62: Mechanical Lug Kit Information (Al lugs for use with Al or Cu wire)

Circuit Breaker Application				Number of Wires Per Lug and Wire Range	Catalog Number	Lugs Per Kit	$ price Per Kit
Standard	Ampere Rating	Optional	Ampere Rating				
EDB, EGB, EJB	15–30 A	—	—	one #12—#6 AWG Al or one #14—#6 AWG Cu	AL30FD	3	41.30
	35–125 A	EDB, EGB, EJB	15–30 A □	one #12—2/0 AWG Al or one #14—2/0 AWG Cu	AL100FD	3	
—	—	EDB, EGB, EJB	15–125 A	one #14—1/0 AWG Cu	CU100FD	3	

□ Factory installed only. Use suffix "LH"

E-frame dimensions . . . . . Digest page 7-55

Factory Assembled Pricing

▲ Use I-Line™ Panelboards on 480 V 3Ø3W Delta applications.

Table 9.63: Base $ Price (including solid neutral)

Mains Rating	Main Lugs		Main Circuit Breaker (Circuit Breaker Interrupt Rating—7-2 through 7-8) ▲ ■											
			Standard IC			HIC			Extra HIC			I-Limiter™		
	2-pole	3-pole	Circuit Breaker	2-pole	3-pole	Circuit Breaker	2-pole	3-pole	Circuit Breaker	2-pole	3-pole	Circuit Breaker	2-pole	3-pole
100 A	—	—	ED ♦	**1636.**	**1882.**	EG ♦	**2100.**	**2416.**	—	—	—	—	—	—
100 A	—	—	—	—	—	—	—	—	HJ	**3248.**	**3598.**	FI	**4250.**	**4884.**
125 A	**846.**	**972.**	ED ♦	**3372.**	**3762.**	EG ♦	**4324.**	**4976.**	—	—	—	—	—	—
150 A	—	—	HD	**3270.**	**3620.**	HG	**4048.**	**4398.**	HJ	**4070.**	**4420.**	—	—	—
225 A ★	—	—	JD	**4120.**	**4380.**	JG	**5070.**	**5400.**	JJ	**6620.**	**7330.**	KI	**7266.**	**8352.**
250 A ★	**1002**	**1152.**	JD	**4500.**	**5140.**	JG	**6180.**	**6180.**	JJ	**7190.**	**8450.**	KI	**9154.**	**10522.**
400 A ★	**1326.**	**1524.**	LA	**5330.**	**6126.**	LH	**7712.**	**8864.**	LC	**8506.**	**9776.**	LI	**9350.**	**10746.**
600 A ★▼	**2366.**	**2622.**	—	—	—	—	—	—	LC	**9554.**	**10884.**	LI	**13640.**	**15678.**
800 A ▼	**3550.**	**3900.**	—	—	—	—	—	—	—	—	—	—	—	—

▲ HL and JL frame circuit breakers are also available as main circuit breakers.
■ Contact your local Schneider Electric representative or distributor for Micrologic™ trip main circuit breaker pricing.
♦ Back-fed main circuit breaker.
★ Prices are for 54-circuit and fewer interiors. See the Product Selector for 66- and 84-circuit interior pricing.
▼ Copper bus only.

Table 9.64: Branch Circuit Breakers—$ Price per circuit breaker

Circuit Breaker Ampere Rating	Standard Interrupting 25,000 AIR @ 240 Vac, 18,000 AIR @ 480Y/277 Vac ED Bolt-on Branch			High Interrupting 65,000 AIR @ 240 Vac, 35,000 AIR @ 480Y/277 Vac EG Bolt-on Branch			Extra High Interrupting 100,000 AIR @ 240 Vac, 65,000 AIR @ 480Y/277 Vac EJ Bolt-on Branch		
	1-pole $ Price	2-pole $ Price	3-pole $ Price	1-pole $ Price	2-pole $ Price	3-pole $ Price	1-pole $ Price	2-pole $ Price	3-pole $ Price
15–60 A	**192.**	**442.**	**748.**	**324.**	**746.**	**1264.**	**518.**	**1196.**	**2024.**
70 A	**342.**	**872.**	**1046.**	**578.**	**1474.**	**1710.**	**924.**	**2120.**	**2540.**
80–100 A	—	**872.**	**1046.**	—	**1474.**	**1710.**	—	**2120.**	**2540.**
110–125 A	—	**2210.**	**2724.**	—	**4114.**	**4754.**	—	**5300.**	**6300.**
Space Only	**42.**	**84.**	**126.**	**42.**	**84.**	**126.**	**42.**	**84.**	**126.**

Note: All ED, EG, and EJ branch circuit breakers are UL Listed as HACR type.

Table 9.65: EDB-EPD Equipment Protection Device Branch Circuit Breakers △ □

Circuit Breaker Ampere Rating	Standard Interrupting 25,000 AIR @ 240 Vac, 18,000 AIR @ 480Y/277 Vac ED Bolt-on Branch			High Interrupting 65,000 AIR @ 240 Vac, 35,000 AIR @ 480Y/277 Vac EG Bolt-on Branch			Extra High Interrupting 100,000 AIR @ 240 Vac, 65,000 AIR @ 480Y/277 Vac EJ Bolt-on Branch		
	1-pole $ Price	2-pole $ Price	3-pole $ Price	1-pole $ Price	2-pole $ Price	3-pole $ Price	1-pole $ Price	2-pole $ Price	3-pole $ Price
15–60 A	**1472.**	—	—	**1596.**	—	—	**1788.**	—	—

△ All 1-pole EDB-EPD branches use 2 poles of mounting space.
□ For bell alarm in EDB-EPD branch breaker, add **158.** to branch breaker price.

Sub-feed Circuit Breaker

Available on 1Ø or 3Ø, 250–800 A main lugs or 250–600 A main circuit breaker interiors

- One sub-feed HD, HG, HJ, or HL or JD, JG, JJ, or JL circuit breaker per 250 A panelboard
- Two sub-feed HD, HG, HJ, or HL or two JD, JG, JJ, or JL circuit breakers per 400 A panelboard (do not mix H and J in a Panel)
- One sub-feed LA, LH, or LC circuit breaker (400 A max.) and one JD, JG, JJ, or JL circuit breaker or two sub-feed JD, JG, JJ, or JL circuit breakers per 600 A or 800 A panelboard (JJ and LC sub-feed circuit breakers cannot be used together).

Table 9.66: Sub-feed Circuit Breaker (150–400 A)

No. of Poles	HD	HG	JD	JG	LA	LH	LC ◊	Space
2	**2456.**	**3500.**	**3020.**	**4220.**	**3980.**	**5534.**	**8634.**	**826.**
3	**2872.**	**3798.**	**3370.**	**5100.**	**4916.**	**6510.**	**10156.**	**826.**

◊ JJ and LC sub-feed circuit breakers cannot be used together.

Table 9.67: Sub-feed Circuit Breaker Cabinet Data

Max. No. of Branch Spaces (Does not include sub-feed circuit breaker spaces)	Box Height (20 in. W x 5.75 in. D)						
	250 A		400 A LA/LH		600 A		800 A
	Main Lugs	Main Breaker	Main Lugs	Main Breaker	Main Lugs	Main Breaker ☆	Main Lugs ▽
30	56	68	68	80	74	80◒	68
42	62	74	74	86	80	86◒	74
54	68	80	80	92	86	92◒	80
66	80	N/A					
84	N/A						

☆ 600 A main circuit breaker panelboards require an 8.75 in. deep, 26 in. wide box.
▽ 800 A main lug panelboards require an 8.75 in. deep, 26 in. wide box.
◒ Dimensions also for 400 A LC/LI main circuit breaker panels.

Table 9.68: Sub-feed (Double) Lugs (Standard Aluminum Mechanical Lugs)
An additional mains end termination point that can be used to feed out to another panelboard or device from the incoming service lines.

NOTE: *Available on main lug interiors only.*

Mains Rating	Sub-feed Wire Range Wire Bending Space per NEC Table 373-6	$ Price
125 A	two #6–2/0 Al or Cu	**128.**
250 A	two 1/0–350 kcmil Al or Cu	**128.**
400 A	two 1/0–600 kcmil Cu	**344.**
600 A	(4) 4/0–500 kcmil Al or Cu	**344.**
800 A	(6) 3/0–500 kcmil Al or Cu	**522.**

Table 9.69: Sub-feed Lug Cabinet Data (Standard Aluminum Mechanical Lugs)

Max. No. of Branch Spaces	Main Lugs Box Height in Inches (20 in. W x 5.75 in. D)				
	125 A	250 A	400 A	600 A	800 A ▲
18	26	—	—	—	—
30	32	38	50	74	74
42	—	44	56	80	80
54	—	50	62	86	86

▲ 800 A main lug panelboards require an 8.75 in. deep and 26 in. wide box.

Table 9.70: Feed-through Lugs (Standard Aluminum Mechanical Lugs)
A second set of lugs assembled at the opposite end from the mains of the panelboard. Often used to connect another panelboard or device to the incoming lines. Available on main lugs and main circuit breaker panelboards.

Mains Rating	Feed-through Wire Range Wire Bending Space per NEC Table 373-6	$ Price
125 A	one #6–2/0 kcmil Al or Cu	**344.**
250 A	one #6–350 kcmil Al or Cu	**344.**
400 A	one 1/0–750 kcmil or two 1/0–350 kcmil Al or Cu	**826.**
600 A	two 1/0–600 kcmil Al or Cu	**826.**

Table 9.71: Feed-through Lug Cabinet Data (Standard Aluminum Mechanical Lugs)

Max. No. of Branch Spaces	Box Height in Inches (20 in. W x 5.75 in. D)									
	125 A	100/125 A		250 A		400 A LA/LH		600 A		800 A
	Main Breaker (back-fed only)	Main Lugs	Main Breaker	Main Lugs	Main Breaker	Main Lugs	Main Breaker	Main Lugs	Main Breaker ■	Main Lugs ♦
18	38	32	44	—	—	—	—	—	—	—
30	44	38	50	50	62	56	68	62	74	56
42	50	—	—	56	68	62	74	68	80	62
54	—	—	—	62	74	68	80	74	86	68

■ 600 A main circuit breaker panelboards require an 8.75 in. deep, 26 in. wide box.
♦ 800 A main lug panelboards require an 8.75 in. deep, 26 in. wide box.

Table 9.72: Ground Bars

Ground Bars	$ Price Adder
Equipment Ground Bar	**38.**
Copper Ground Bar (Add to Equipment Ground Bar Price)	**52.**
Insulated/Isolated Ground Bar (Add to Equipment Ground Bar Price)	**86.**

Table 9.73: Name Plates

Name Plates	$ Price Adder
Standard white face/black letter laminated bakelite, 1 in. x 3.5 in., adhesive-backed or screw mountable with screws in a bag assembly (Price includes engraving)	**78.**

Table 9.74: Copper Bus Bars

Copper Bus Bars	$ Price Adder
100 A, 250 A	**458.**
400 A	**624.**
600 A, 800 A	Standard

Table 9.75: Copper Neutral

Copper Neutral	$ Price Adder
100–600 A	**132.**
800 A	**176.**

Table 9.76: 200% Rated Neutrals

Panelboards with 200% rated neutrals are available with sub-feed lugs, feed-through lugs, and main circuit breakers	Add Per Panel $ Price
250 A	**769.**
400 A	**950.**
600 A	**1262.**
800 A	**1894.**

Table 9.77: NF Main Neutral Conductors—Required Size and Quantity

Panelboard Ampacity	Neutral Conductors Required ♦	Actual Lug Wire Range
125	(2) 1/0 Cu or (2) 1/0 Al	(2) #6-2/0
250	(2) 4/0 Cu or (2) 300 kcmil Al	(2) #6-350 kcmil
400 A	(4) 250 kcmil Al or (4) 3/0 Cuor (2) 600 kcmil Al	(2) 1/0-300 kcmil or (1) 1/0-750 kcmil
600	(4) 500 kcmil Al or (4) 350 kcmil Cu	(2) 1/0-750 kcmil

Note: Neutral conductors must be of size and quantity per table above.

Table 9.78: Metal Directory Frame

Metal Directory Frame	$ Price Adder
Not available with LC/LI main circuit breaker (Replaces standard plastic stick-on directory pouch)	**140.**

Table 9.79: Hinged Door-in-Door Trim

Hinged Door-in-Door Trim	Add Per Panel $ Price
Hinged Door-in-Door Trim has piano hinge down one side. Inner door has a lock, outer door is retained with screws	**646.**
Hinged Door-in-Door with Outer Door Lock in place of screws	**836.**

Table 9.80: Weatherproof or Dusttight Cabinets (Type 3R, 5, 12)

Weatherproof or Dusttight Cabinets —Type 3R, 5, 12	$ Price Adder
(Not available with panelboards having LC/LE/LI/LX/LXI main circuit breakers)	**1516.**

Table 9.81: Optional Factory Assembled Lugs for Main Lug Interiors

Main Lug Interiors	$ Price Per Pole Adder				
	100 A	225 A	400 A	600 A	800 A
Aluminum Compression Lugs	**58.**	**58.**	**90.**	**118.**	**200.**
Copper Mechanical Lugs	**70.**	**108.**	**148.**	**168.**	**196.**
Copper Compression Lugs	**70.**	**108.**	**148.**	**168.**	**316.**

Table 9.82: Optional Factory Assembled Lugs for Main Circuit Breaker Interiors

Main Circuit Breaker Interiors	$ Price Per Pole Adder			
	H Frame	J Frame	LA Frame	LC Frame
Aluminum Compression Lugs	**59.**	**98.**	**128.**	**262.**
Copper Mechanical Lugs	**70.**	**108.**	**148.**	**168.**
Copper Compression Lugs	**70.**	**108.**	**148.**	**168.**

Table 9.83: Surgelogic™ Hard Bus SPD—Model IMA ★

Surge Current Rating kA	Voltage		
	208Y/120 V 3Ø4W	240/120 V 3Ø4W High Leg	480Y/277 V 3Ø4W
100	**11970.**	**11970.**	**12890.**
120	**12548.**	**15654.**	**13340.**
160	**13807.**	**13807.**	**14623.**
200	**17992.**	**17992.**	**20508.**
240	**20583.**	**20583.**	**23598.**

★ Panelboard box height with SPD unit—Contact your local Schneider Electric representative or distributor.

Table 9.84: Surgelogic SPD Options

Surgelogic SPD Options	$ Price
Surge Counter	Standard
Dry Contacts	Standard
Remote Monitor	**2588.**

NOTE: *For additional factory modifications, See Digest page 9-38.*

NQ Single-Row (Column-width)—240 Vac Bolt-on

(60 A Max. Branch Circuit Breaker)

NQ Application Data

Application: For use on ac only. Meet Federal Specification W-P-115c, Type 1, Class 1. UL Listed.
Service: 1Ø3W, 3Ø3W, 3Ø4W,
3 Grd. "B" Ø—240 Vac max.
AIR: See the tables starting on Digest page 7-2.
Mains: Type NQ—Bolt-on main lugs: 100 A, 225 A

- Main circuit breaker: 100 A—QOU, 225 A—QB
- See the tables starting on Digest page 7-2 for main circuit breaker interrupt ratings. See catalog for terminal lug data.
- Main circuit breakers with higher interrupt ratings are available as factory assembled panelboards.

Branches: Bolt-on QOB, 60 A maximum. QOB 10-60 A 1-, 2- and 3-pole. See Digest page 9-10 for branch circuit breaker terminal data. QOB-VH and QHB branch circuit breakers are also available as factory assembled.
Cabinet: Front—Screw cover. Box—galvanized steel with removable endwalls.
Gutters:

- 100 A—4 in. min. mains end, 3 in. min. opposite mains
- 225 A—10 in. min. mains end, 5 in. min. opposite mains

NF Single-Row (Column-width)—480Y/277 Vac Bolt-on

(60 A Max. Branch Circuit Breaker)

NF Application Data

Application: For use on ac only. Meet Federal Specification W-P-115c, Type 1, Class 1. UL Listed.
Service: 480Y/277 Vac, 3Ø4W
AIR: See the tables starting on Digest page 7-2
Mains: Type NF–Bolt-on main lugs: 125 A, 225 A

- Main circuit breaker: 100 A—FA, 100 A—HD, 225 A—JD. See the tables starting on Digest page 7-2 for main circuit breaker interrupt rating. See the catalog section for terminal lug data.
- Main circuit breakers with higher interrupt ratings are available as factory assembled panelboards.

Branches: EDB, EDG, or EDJ, 60 A maximum. See Digest page 9-15 for branch circuit breaker catalog numbers, List Prices and terminal data.
Cabinet: Front—Screw cover. Box—galvanized steel with removable endwalls.
Gutters:

- 100 A—4 in. min. mains end, 3 in. min.opposite mains
- 225 A—10 in. min. mains end, 5 in. min. opposite mains

Table 9.85: NQ Single-Row (Column-width)—240 Vac Bolt-on ▲

Max. No. of Poles	Mains Rating	Total $ Price (Box Interior and Front)	Box and Interior with Solid Neutral (8.625 in. W. x 5 in. D.) (Order branch circuit breakers separately)			Front (Surface Mount)	
			Catalog Number	$ Price	Box Height (In.)	Catalog Number	$ Price
1 Phase 3-Wire Main Lugs Only							
30	225	**1669.**	NQ830L2C	**1298.**	45	LX45TS	**371.**
Main Circuit Breaker—2-pole							
20	100	**1818.**	NQ820B1C	**1452.**	40	LX40TS	**366.**
3 Phase 4-Wire Main Lugs Only							
30	100	**1608.**	NQ8430L1C	**1242.**	40	LX40TS	**366.**
42	225	**1938.**	NQ8442L2C	**1458.**	58	LX58TS	**480.**
Main Circuit Breaker—3-pole							
30	100	**2363.**	NQ8430B1C	**1992.**	45	LX45TS	**371.**
42	225	**4961.**	NQ8442B2C	**4416.**	62	LX62TS	**545.**

▲ 60 A Maximum Branch—Copper Bus Standard.

Table 9.86: Cable Troughs and Pull Boxes

Cable Troughs (L=Length) ■			Pull Boxes with Solid Neutral		
L (In.)	8.625 in. x 5 in. Catalog Number	$ Price	S/N Terminals	Catalog Number	$ Price
36	MTX836	**590.**	42	MPX81542	**479.**
48	MTX848	**651.**			
56	MTX856	**753.**			
66	MTX866	**753.**			

■ Cable troughs are standard with a trough barrier.

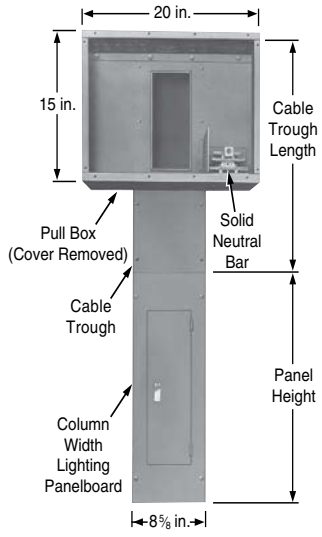
Table 9.87: NF Single-Row (Column-width)—480Y/277 Vac Bolt-on

Max. No. of Poles	Mains Rating	Total $ Price (Box Interior and Front)	Box and Interior with S/N (8.625 in. W. x 5.625 in. D.)			Front (Surface Mount)	
			Catalog Number	$ Price	Box Height (In.)	Catalog Number	$ Price
Main Lugs Only—3 Phase 4-Wire							
30	125	**2410.**	NF8430L1C	**2009.**	59	NC59TS	**401.**
42	225	**3281.**	NF8442L2C	**2759.**	71	NC71TS	**522.**
Main Circuit Breaker—3-pole							
30	100	**3767.**	NF8430M1C NF8430M1HDC	**3246.**	65	NC65TS	**521.**
42	225	**6660.**	NF8442M2JDC	**6042.**	85	NC85TS	**618.**

Table 9.88: Cable Troughs and Pull Boxes

Cable Troughs (L=Length) ♦			Pull Boxes with Solid Neutral		
L (In.)	8.625 in. x 5.625 in. Catalog Number ★	$ Price	S/N Terminals	Catalog Number	$ Price
36	NTX836	**590.**	42	MPX81542	**479.**
48	NTX848	**651.**			
56	NTX856	**753.**			
66	NTX866	**753.**			

♦ Cable troughs are standard with a trough barrier.
★ Box width = 8.625 in.; width at front, including flange, is 9.625 in..



NQ Single Row (Column-Width)—240 Vac Bolt-On Factory Assembled Pricing

Table 9.89: Base Price with Solid Neutral

Mains Rating	$ Price							
	Main Lugs		Main Circuit Breaker (Circuit Breaker Interrupt Rating—see Digest pages 7-2 through 7-5					
	2-Pole	3-Pole	Circuit Breaker	2-Pole	3-Pole	Circuit Breaker	2-Pole	3-Pole
100 A	720.	832.	QOB	1254.	1562.	—	—	—
			QB	—	2800.	—	—	—
			QD	—	3434.	QG	—	4090.
225 A	772.	912.	QB	—	2800.	—	—	—
			QD	—	3434.	QG	—	4090.

Note: Copper bus —standard.
Equipment Ground Bar $ Price adder—$38.00.
Copper Equipment Ground Bar (Add to Equipment Ground Bar $ Price) $ Price adder—$52.00.

Table 9.90: Branch Circuit Breakers (price per breaker)

Circuit Breaker Ampere Rating	$ Price			
	1-Pole 120 Vac	2-Pole 120/240 Vac	2-Pole 240 Vac	3-Pole 240 Vac
Space Only				
All Space Only Except Below	28.	58.	58.	86.
10,000 AIR—Branch Circuit Breakers—QOB, QOB-H				
15–60 A	68.	134.	260.	352.
10,000 AIR—Qwik-Guard™—Class A—QOB-GFI				
15–30 A	272.	488.	—	—
40–60 A	—	488.	—	—
Specialty Branch Circuit Breakers (10,000 AIR) For High Intensity Discharge Lighting—QO-HID, QOB-HID				
15–30 A	78.	148.	—	376.
40–50 A	78.	148.	—	—
High Magnetic Trip (For applications subject to high initial inrush)—QO-HM, QOB-HN				
15–20 A	68.	—	—	—
Provides 30 mA Equipment Protection—QO-EPD, QOB-EPD				
15–30 A	462.	828.	—	—
(High Interrupting Capacity) 22,000 AIR Branch Circuit Breakers—QO-VH, QOB-VH				
15–30 A	92.	212.	—	462.
35–60 A	—	212.	—	462.
22,000 AIR—Qwik-Guard—Class A—QO-VHGFI, QOB-VHGFI				
15–30 A	294.	—	—	—

NF Single Row (Column-Width)—480Y/277 Vac 3Ø4W Bolt-on Factory Assembly Pricing

Table 9.91: Base Price with Solid Neutral

Mains Rating	Main Lugs		Main Circuit Breaker (Circuit Breaker Interrupt Rating —see Digest pages 7-3 through 7-4									
			Standard IC			HIC			Extra HIC			I-Limiter™		
			Circuit Breaker	$ Price		Circuit Breaker	$ Price		Circuit Breaker	$ Price		Circuit Breaker	$ Price	
	2-Pole	3-Pole		2-Pole	3-Pole		2-Pole	3-Pole		2-Pole	3-Pole		2-Pole	3-Pole
100 A	—	1074.	FA	—	2184.	FH	—	3044.	—	—	—	—	—	—
	—		HD	—	2842.	HG	—	3792.	HJ	—	4374.	FI	—	7392.
125 A	—			—	3222.		—	4172.		—	4754.	KI	—	13150.
150 A	—	1272.	HD	—	3222.	HG	—	4172.	HJ	—	4754.	KI	—	13150.
225 A	—		JD	—	4784.	JG	—	5982.	JJ	—	8902.		—	

Note: Copper bus—standard.
Copper Neutral $ Price adder—$132.00.
Equipment Ground Bar $ Price adder—$38.00.
Copper Equipment Ground Bar (Add to Equipment Ground Bar $ Price) $ Price adder—$52.00.

Table 9.92: Branch Circuit Breakers (price per breaker)

Circuit Breaker Ampere Rating	$ Price								
	Standard Interrupting 25,000 AIR @ 240 Vac, 18,000 AIR @480Y/277 Vac ED Bolt-on Branch			High Interrupting 65,000 AIR @ 240 Vac, 35,000 AIR @480Y/277 Vac EG Bolt-on Branch			Extra High Interrupting 100,000 AIR @ 65,000 AIR @ 480Y/277 Vac EJ Bolt-on Branch		
	1-Pole	2-Pole	3-Pole	1-Pole	2-Pole	3-Pole	1-Pole	2-Pole	3-Pole
15–60 A	192.	442.	748.	324.	746.	1264.	518.	1196.	2024.
Space Only	42.	84.	126.	42.	84.	126.	42.	84.	126.

Table 9.93: EDB-EPD Equipment Protection Device Branch Circuit Breakers

Circuit Breaker Ampere Rating	$ Price								
	Standard Interrupting 25,000 AIR @ 240 Vac, 18,000 AIR @480Y/277 Vac ED Bolt-on Branch			High Interrupting 65,000 AIR @ 240 Vac, 35,000 AIR @480Y/277 Vac EG Bolt-on Branch			Extra High Interrupting 100,000 AIR @ 65,000 AIR @ 480Y/277 Vac EJ Bolt-on Branch		
	1-Pole	2-Pole	3-Pole	1-Pole	2-Pole	3-Pole	1-Pole	2-Pole	3-Pole
15–60 A	1472.	—	—	1596.	—	—	1788.	—	—

I-Line Merchandised Pricing Procedure

1. Select the appropriate branch circuit breakers and accessories based on the required ampacity and AIR ratings from Digest pages 9-24 through 9-30.
2. Determine the total mounting inches required by the branch circuit breakers. Pay close attention to the interior types and any branch mounting restrictions by referring to panel layouts on Digest pages 9-21 and 9-22. For example, larger frame circuit breakers may mount in only one side of the panel due to physical sizes. Therefore, for larger size branches, you may only be able to consider one half of the total mounting inches available.
3. Select proper main lug interior or main circuit breaker interior from Digest page 9-21 or 9-22 based on the mains ampacity and branch requirements from step 2.
4. Select blanks from the Accessories table on Digest page 9-23 as required to cover unused mounting space.
5. Select appropriate box and front from Digest page 9-21 or 9-22 to accommodate panel interior selected in step 3.
6. Apply appropriate discount schedule.

Table 9.94: I-Line Merchandised Pricing Example
600 Vac, 3Ø3W, 400 A, MLO, 14k AIR, Type 1 enclosure, 4 piece surface trim without door.

Description	Catalog No.	Digest Page No.	$ Price
400 Amp MLO Interior	HCM32734	9-21	**2408.**
4 Piece Surface Trim Without Door	HCM73TS	9-21	**699.**
Type 1 Enclosure	HC3273B	9-21	**243.**
(8) 60/3	FA36060	9-25	**7764.**
one 100/2	FA26100AC	9-25	**947.**
one 4.5 in. Blanks	HNM4BL	9-23	**126.**
one 1.5 in. Blank	HNM1BL	9-23	**44.**
		Total Price	**12231.**

I-Line Factory Assembled Pricing Procedure

1. Select price for main lugs or main circuit breaker from Base Price tables on Digest page 9-31. Include solid neutral and ground bar when required.
2. List branch circuit breakers and determine total mounting inches required. Include space only charge and mounting inches as required. Price branches from Digest page 9-32.
3. If total space required exceeds the maximum listed, price as two or more panels and add price for sub-feed lugs, so installer can cable between sections.
4. Add price for special features from Digest page 9-34.
5. For complete price, total all prices. Order panel by description.
6. Apply appropriate discount schedule.

Table 9.95: I-Line Factory Assembled Pricing Example
600 Vac, 3Ø3W, 400 A, MLO, 14k AIR, Type 1 enclosure, 4 piece surface trim without door.

Description	Digest Page No.	$ Price
400 A MLO Base Price	9-31	**2799.**
(8) 60/3	9-32	**12072.**
one 100/2	9-32	**1446.**
(3) 250/3	9-32	**17100.**
	Total Price	**33417.**

QMB Factory Assembled

QMB Panelboards—Method of Pricing

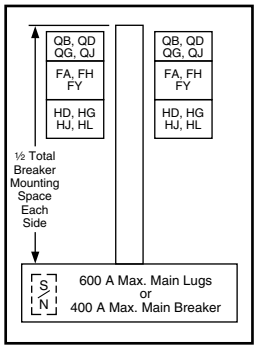
1. Make a sketch with main lugs or main switch at the top or bottom.
2. List required branch devices (switches and circuit breaker units). Include ampere rating, number of poles, and unit mounting height from the appropriate table on Digest pages 9-35 and 9-36.
3. 30–60 twin units are the same price as 600 V 60–60 twin units.
4. 30–100 and 60–100 twin units are the same price as 600 V 100–100 twin units.
5. List solid neutral from Digest page 9-36 if required. No unit mounting height is required.
6. List mains ampere rating, voltage, number of poles, and unit mounting space from the appropriate table on 9-36.
7. If total unit mounting height of branch devices exceeds maximum mounting space of the mains, price as two or more panelboards, adding sub-feed lugs or feed-thru lugs from the appropriate table on Digest page 9-36.
8. Insert at the right of each item the price from the appropriate table, including any accessories. The sum will be the complete panelboard price including the cabinet.
9. Specify H, R, or J fuse clips.

Table 9.96: QMB Factory Assembled Pricing Example
600 Vac, 3Ø3W, 400 A, Fusible 10k AIR, Type 1 Enclosure

Branches	Digest Page No.	$ Price
400 A MLO Base Price	9-36	**2016.**
(4) 60/3	9-36	**4338.**
one 100/3	9-36	**3411.**
one 30/3	—	—
	Total Price	**9765.**

TYPE HCN

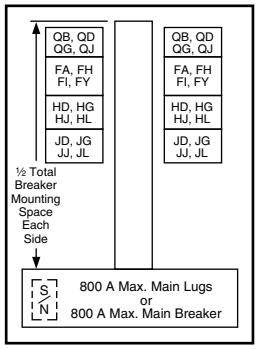
225 A max. (240 V max.) branch circuit breaker QB, QD, QG, QJ
150 A max. branch circuit breaker FA, FH, FY, HD, HG, HJ, HL ✱



Box Size:
26 in. Wide, 6.5 in. Deep

TYPE HCM

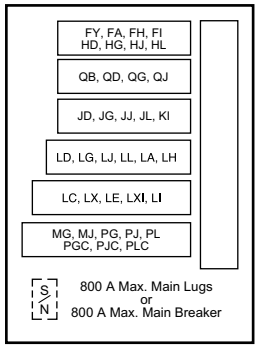
250 A max. branch circuit breaker
FA, FH, FY, FI, QB, QD, QG, QJ, HD, HG, HJ, HL, JD, JG, JJ, JL



Box Size:
32 in. Wide, 8.25 in. Deep

TYPE HCP-SU◊

800 A max. main circuit breaker
600 A max. branch circuit breaker
FY, FA, FH, FI, KI, LA, LD, LG, LJ, LL, LH, LC, LX, LI, LXI, LE, MG, MJ, PG, PJ, PL, PGC, PJC, PLC▽, QB, QD, QG, QJ, HD, HG, HJ, HL, JD, JG, JJ, JL



Box Size:
26 in. Wide, 9.5 in. Deep

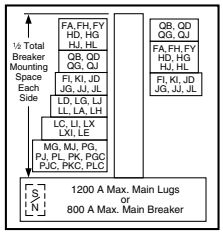
Table 9.97: Interiors, Boxes and Fronts
(100 A and 225 A interiors include solid neutral, all others without solid neutral. Order solid neutral from 9-23)

Total Circuit Breaker Mounting Space (In.)	Mains Ampere Rating	Complete Surface $ Price (4 Piece Trim) (Less Branch Circuit Breakers)		Interior Assembly (Less Branch Circuit Breakers)		Front ▲				Box ♦				Box Height (In.)
						4 Piece Trim Without Door ■		Trim With Door		Type 1		NEMA 3R/5/12 ★ (Includes Front)		
		Type 1 $ Price	Type 3R/ 5/12 $ Price	Catalog Number	$ Price	Catalog Number	$ Price	Catalog Number	$ Price	Catalog Number	$ Price	Catalog Number	$ Price	
HCN Main Lugs Only **3-pole—Suitable for use as service equipment when provided with a main circuit breaker. ☆**														
27	225 A	**2171.**	**4004.**	HCN14522N	**1593.**	HCN52T( )	**335.**	HCN52T( )D	**411.**	HC2652B	**243.**	HC2652WP	**2411.**	52
	400 A	**2195.**	**4028.**	HCN14524	**1617.**									
	600 A	**2392.**	**4225.**	HCN14526	**1814.**									
45	225 A	**2674.**	**4402.**	HCN23652N	**1991.**	HCN65T( )	**440.**	HCN65T( )D	**530.**	HC2665B	**243.**	HC2665WP	**2411.**	65
	400 A	**2702.**	**4430.**	HCN23654	**2019.**									
	600 A	**2960.**	**4688.**	HCN23656	**2277.**									
63	225 A	**3135.**	**4709.**	HCN32742N	**2298.**	HCN74T( )	**594.**	HCN74T( )D	**717.**	HC2674B	**243.**	HC2674WP	**2411.**	74
	400 A	**3156.**	**4730.**	HCN32744	**2319.**									
	600 A	**3396.**	**4970.**	HCN32746	**2559.**									
81	225 A	**3548.**	**6233.**	HCN41832N	**2552.**	HCN83T( )	**753.**	HCN83T( )D	**890.**	HC2683B	**243.**	HC2683WP	**3681.**	83
	400 A	**3564.**	**6249.**	HCN41834	**2568.**									
	600 A	**3824.**	**6509.**	HCN41836	**2828.**									
99	225 A	**4175.**	**6767.**	HCN50922N	**3086.**	HCN92T( )	**846.**	HCN92T( )D	**1001.**	HC2692B	**243.**	HC2692WP	**3681.**	92
	400 A	**4341.**	**6933.**	HCN50924	**3252.**									
	600 A	**4434.**	**7026.**	HCN50926	**3345.**									
HCN Main Circuit Breaker ▼ ◒ **Includes 3-pole, vertically mounted main circuit breaker—Suitable for use as service equipment**														
27	400 A	**6649.**	**8377.**	HCN14654M	**5966.**	HCN65T( )	**440.**	HCN65T( )D	**530.**	HC2665B	**243.**	HC2665WP	**2411.**	65
36	100 A	**3860.**	**5588.**	HCN18651MN	**3177.**									
	225 A	**5303.**	**7031.**	HCN18652MN	**4620.**									
45	400 A	**7287.**	**8861.**	HCN23744M	**6450.**	HCN74T( )	**594.**	HCN74T( )D	**717.**	HC2674B	**243.**	HC2674WP	**2411.**	74
54	100 A	**4323.**	**5897.**	HCN27741MN	**3486.**									
	225 A	**5759.**	**7333.**	HCN27742MN	**4922.**									
63	225 A	**6068.**	**8753.**	HCN32832MN	**5072.**	HCN83T( )	**753.**	HCN83T( )D	**890.**	HC2683B	**243.**	HC2683WP	**3681.**	83
	400 A	**7836.**	**10521.**	HCN32834M	**6840.**									
81	400 A	**8154.**	**10746.**	HCN41924M	**7065.**	HCN92T( )	**846.**	HCN92T( )D	**1001.**	HC2692B	**243.**	HC2692WP	**3681.**	92
90	225 A	**6590.**	**9182.**	HCN45922MN	**5501.**									
HCM Main Lugs Only **3-pole—Suitable for use as service equipment when provided with a main circuit breaker. ☆**														
27	225 A	**2279.**	**4566.**	HCM14482N	**1644.**	HCM48T( )	**392.**	HCM48T( )D	**483.**	HC3248B	**243.**	HC3248WP	**2922.**	48
	400 A	**2404.**	**4691.**	HCM14484	**1769.**									
	600 A	**3175.**	**5462.**	HCM14486	**2540.**									
	800 A	**3709.**	**5996.**	HCM14488	**3074.**									
45	225 A	**2795.**	**5717.**	HCM23642N	**2036.**	HCM64T( )	**516.**	HCM64T( )D	**633.**	HC3264B	**243.**	HC3264WP	**3681.**	64
	400 A	**2891.**	**5813.**	HCM23644	**2132.**									
	600 A	**3530.**	**6452.**	HCM23646	**2771.**									
	800 A	**4041.**	**6963.**	HCM23648	**3282.**									
63	225 A	**3263.**	**6002.**	HCM32732N	**2321.**	HCM73T( )	**699.**	HCM73T( )D	**864.**	HC3273B	**243.**	HC3273WP	**3681.**	73
	400 A	**3350.**	**6089.**	HCM32734	**2408.**									
	600 A	**3921.**	**6660.**	HCM32736	**2979.**									
	800 A	**4644.**	**7383.**	HCM32738	**3702.**									
99	225 A	**4205.**	**7918.**	HCM50912N	**2966.**	HCM91T( )	**996.**	HCM91T( )D	**1217.**	HC3291B	**243.**	HC3291WP	**4952.**	91
	400 A	**4281.**	**7994.**	HCM50914	**3042.**									
	600 A	**4586.**	**8299.**	HCM50916	**3347.**									
	800 A	**5321.**	**9034.**	HCM50918	**4082.**									
HCM Main Circuit Breaker ▼ ◒ **Includes 3-pole, vertically mounted main circuit breaker—Suitable for use as service equipment.**														
27	400 A	**7563.**	**10485.**	HCM14644M	**6804.**	HCM64T( )	**516.**	HCM64T( )D	**633.**	HC3264B	**243.**	HC3264WP	**3681.**	64
36	225 A	**5582.**	**8504.**	HCM18642MN	**4823.**	HCM73T( )	**699.**	HCM73T( )D	**864.**	HC3273DB9♦	**243.**	Use HCP	—	—
	600 A	**11648.**	**10706.**	HCM18736MP	**10706.**									
	800 A	**14549.**	**13607.**	HCM18738MP	**13607.**									
45	400 A	**8007.**	**10746.**	HCM23734M	**7065.**	HCM73T( )	**699.**	HCM73T( )D	**864.**	HC3273B	**243.**	HC3273WP	**3681.**	73
54	225 A	**5969.**	**8708.**	HCM27732MN	**5027.**									
72	600 A	**12377.**	**11138.**	HCM36916MP	**11138.**	HCM91T( )	**996.**	HCM91T( )D	**1217.**	HC3291DB9♦	**243.**	Use HCP	—	—
	800 A	**15431.**	**14192.**	HCM36918MP	**14192.**									
81	400 A	**9315.**	**13028.**	HCM41914M	**8076.**	HCM91T( )	**996.**	HCM91T( )D	**1217.**	HC3291B	**243.**	HC3291WP	**4952.**	91
HCP-SU □ Universal Single Row Main Lugs or Main Circuit Breaker ◒ **3-pole—Suitable for use as service equipment when provided with a main circuit breaker. ☆**														
54	800	**5858.**	**9466.**	HCP54868SU	**4514.**	**HC2686T( )4P**	**1101.**	**HC2686T( )HR△**	**1658.**	HC2686DB	**243.**	HC2886WP	**4952.**	86

▲ Add "F" for flush mount, "S" for surface mount.
■ Add-on door kit available from Peru. Example: For HCM48TS surface trim kit, order HCM48DS door kit.
♦ For Type 1 applications, order interior, front, and box. For Type 3R/5/12 applications, order interior and box only. The front is included with the box.
★ Remove drain screws for Type 3R rating.
▼ Bottom feed standard.
△ Hinged trim with door.
□ For main lugs panel, order sub-feed lug kit and back-feed as main lugs.
◊ For main circuit breaker panel, order plug-on I-Line type PG, PJ, PL, MG, or MJ circuit breakers from 9-28 through 9-30 and backfeed as the main breaker (order solid neutral from 9-22).
☆ Suitable for use as service equipment if equipped with an integral main circuit breaker or when not more than six main disconnecting means are provided and the panelboard is not used as a lighting and appliance branch circuit panelboard.
▽ PG, PJ, PL circuit breakers are available with both thermal-magnetic equivalent and Micrologic trip. The Micrologic circuit breakers are available 80% and 100% rated. "C" suffix denotes a 100% rating.
◒ Circuit breaker interrupt ratings, starting on Digest page 7-2.
✱ I-Line Surgelogic SPD not available.
♦ DB9 box is 9.5 inches deep.

TYPE HCP

800 A max. branch circuit breaker
FA▲, FH, FI, FY, QB, QD, QG, QJ, HD, HG, HJ, HL, JD, JG, JJ, JL, KI, LA, LD, LG, LJ, LL, LH, LC, LI, LX, LXI, LE, MG, MJ, PG, PJ, PL, PGC, PJC, PLC■

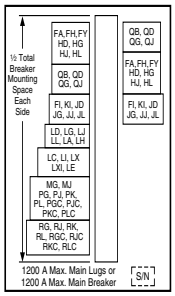


Box Size:
42 in. Wide, 9.5 in. Deep

- ▲ FA and JDA circuit breakers with field installable ground fault kits may be mounted in type HCP, HCP-SU, and HCR-U panelboards as shown, and require L-frame mounting space.
- ■ PG, PJ, and PL circuit breakers are available with both thermal-magnetic equivalent and Micrologic trip. The Micrologic circuit breakers are available 80% and 100% rated. "C" suffix denotes a 100% rating.

TYPE HCR-U Universal Mains

1200 A max. branch circuit breaker
FA♦, FH, FI, FY, QB, QD, QG, QJ, HD, HG, HJ, HL, JD, JG, JJ, JL, KI, LA, LD, LG, LJ, LL, LH, LC, LI, LX, LXI, LE, MG, MJ, PG, PJ, PL, PGC, PJC, PLC, RGC, RJC, RLC★▼



Box Size:
44 in. Wide, 9.5 in. Deep

- ♦ FA and JDA circuit breakers with field installable ground fault kits may be mounted in type HCP, HCP-SU, and HCR-U panelboards as shown, and require L-frame mounting space.
- ★ When RL main circuit breakers with equipment ground fault are applied on a 3Ø4W system, order solid neutral catalog number HCR12SNCT. The HCR12SNCT includes a neutral current transformer.
- ▼ PG, PJ, and PL circuit breakers are available with both thermal-magnetic equivalent and Micrologic trip. The Micrologic circuit breakers are available 80% and 100% rated. "C" suffix denotes a 100% rating.

Table 9.98: (1200 A Interiors Include solid neutral, all others without solid neutral. Order solid neutral from 9-23.)

Total Circuit Breaker Mtg. Space (In.)	Mains Amp. Rating	Max. No. of LC, MJ, PL, RL Circuit Breakers	Complete Surface $ Price (4 Piece Trim) (Less Branch Breakers)	Interior Assembly (Less Branch Circuit Breakers)		Front △				Box ◊		Box Height (In.)
						4 Piece Trim Without Door □		Trim With Door				
			Type 1	Catalog Number	$ Price	Catalog Number	$ Price	Catalog Number	$ Price	Catalog Number	$ Price	
HCP Main Lugs Only—3-pole Suitable for use as service equipment when provided with a main circuit breaker. ☆												
27	400	1PL	**2751.**	HCP14504	**1902.**	HCW50T( )	**606.**	HCW50T( )D	**743.**	HC4250DB	**243.**	50
	600		**3513.**	HCP14506	**2664.**							
	800		**4521.**	HCP14508	**3672.**							
	1200		**6365.**	HCP145012N	**5516.**							
45	400	2PL	**3212.**	HCP23594	**2298.**	HCW59T( )	**671.**	HCW59T( )D	**827.**	HC4259DB	**243.**	59
	600		**3860.**	HCP23596	**2946.**							
	800		**4874.**	HCP23598	**3960.**							
	1200		**7133.**	HCP235912N	**6219.**							
63	400	3PL	**3795.**	HCP32684	**2706.**	HCW68T( )	**846.**	HCW68T( )D	**1052.**	HC4268DB	**243.**	68
	600		**4476.**	HCP32686	**3387.**							
	800		**5309.**	HCP32688	**4220.**							
	1200		**7763.**	HCP326812N	**6674.**							
99	400	5PL	**4716.**	HCP50864	**3372.**	HCW86T( )	**1101.**	HCW86T( )D	**1344.**	HC4286DB	**243.**	86
	600		**5208.**	HCP50866	**3864.**							
	800		**6194.**	HCP50868	**4850.**							
	1200		**8529.**	HCP508612N	**7185.**							
HCP Main Circuit Breaker▽—Includes 3-pole Vertically mounted main circuit breaker—Suitable for use as service equipment.												
36	600	2LC	**12179.**	HCP18686M	**11090.**	HCW68T( )	**846.**	HCW68T( )D	**1052.**	HC4268DB	**243.**	68
	800		**15399.**	HCP18688M	**14310.**							
72	600	4LC	**12987.**	HCP36866M	**11643.**	HCW86T( )	**1101.**	HCW86T( )D	**1344.**	HC4286DB	**243.**	86
	800		**16296.**	HCP36868M	**14952.**							
HCR-U Universal Main Lugs or Main Circuit Breaker▽—3-pole Suitable for use as service equipment when provided with a main circuit breaker. For Main Lugs panel, order sub-feed lug kit catalog number S33930 and back feed as main lugs. For Main Circuit Breaker panel, order plug-on I-Line type PG, PJ, PL, RGC, RJC, or RLC◒ circuit breakers from pages 9-27 through 9-29, and back feed as the main circuit breaker. (Order solid neutral separately)												
108 ✱	1200	6PL or 3RLC	**12557.**	HCR548612U	**11213.**	HCR86T( )♦	**1101.**	HCR86T( )D	**1344.**	HC4486DB	**243.**	86

△ Add "F" for flush mount, "S" for surface mount.
□ Add-on door kit available. Example: For HCW50TS trim kit, order HCW50D door kit.
◊ See Digest page 9-23 for 42 in. wide weatherproof enclosures.
☆ Suitable for use as service equipment if equipped with an integral main circuit breaker or when not more than six main disconnecting means are provided and the panelboard is not used as a lighting and appliance branch circuit panelboard.
▽ Circuit breaker interrupt ratings, starting on Digest page 7-2.
◒ When RL main circuit breakers with equipment ground fault are applied on a 3Ø4W system, order solid neutral catalog number HCR12SNCT. The HCR12SNCT includes a neutral current transformer.
✱ 15 in. of mounting space is taken up by the back fed main lug kit or RG, RJ, RL main circuit breaker, leaving 93 in. of branch circuit breaker mounting space.
♦ Add-on door kit available. Example: For HCR86TS trim kit, order HCW86D door kit.

Table 9.99: Circuit Breaker / Sub-feed Lug Kit Mounting Space Requirement

Type of Circuit Breaker	Maximum Ampacity	No. of Poles	Inch Mounting Requirements	Type of Circuit Breaker	Maximum Ampacity	No. of Poles	Inch Mounting Requirements
FY	30 A	1	1.5	QB, QD, QG, QJ	225 A	3	4.5
FA, FH	100 A	1	1.5	JD, JG, JJ, JL, KI, SL250	250 A	2, 3	4.5
FA, FH		2	3	LA, LH, SL400	400 A		6
FA, FH, SL-100		3	4.5	LD, LG, LJ, LL	600 A		6
FI		2, 3	4.5	LC, LI, LXI	600 A		7.5
HD, HG	150 A	2	3	MG, MJ, MA, MH, SL800, PGC, PJC, PLC	800 A		9
HD, HG		3	4.5				
HJ, HL		2, 3	4.5	PG, PJ, PL, S33931	1200 A		
QB, QD, QG, QJ	225 A	2	3	RG, RJ, RL, RGC, RJC, RLC, S33930	1200 A		15

Table 9.100: Main Circuit Breaker Interiors —Standard Frame Types ◑

Main Circuit Breaker Ampacity	Panelboard Type	Factory Supplied Main Circuit Breaker
100	HCN	FA36100
225	HCN, HCM	JDA36225
400	HCN	LAP36400MB
	HCM	LAP36400MB
600 or 800	HCM, HCP	MGP36600 or MGP36800

◑ Circuit breaker interrupt ratings, starting on Digest page 7-2.

Table 9.101: Standard Copper Bus Interiors

Type	Main Ampacity
HCN	600
HCM, HCP-SU	800
HCP, HCR-U	800 and Above

Note: Merchandised copper interiors are not available in all ampacities. For example, if the application calls for a HCN 225 A copper bus interior, order an HCN 600 A interior .


Blank Fillers


Equipment Ground Bar


Solid Neutral

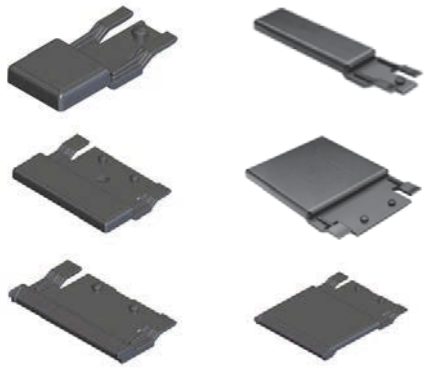
Table 9.102: I-Line Merchandised Panelboard Accessories

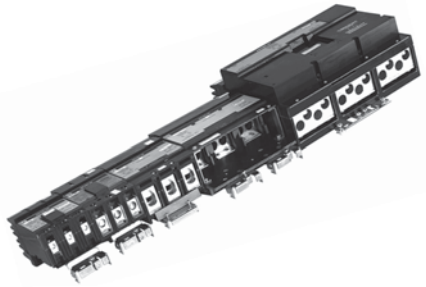
Description	Catalog No.	$ Price
Blank Fillers—1.5 in. (minimum order 3) ▼	HNM1BL	14.30
Blank Fillers—4.5 in. (minimum order 5) ▼	HNM4BL	25.20
Solid Neutral Assemblies		
225 A	HC2SN	252.00
400 A	HC4SN▲, HCW4SN■	333.00
600 A	HC6SN▲, HCW6SN■	464.00
800 A	HC8SN▲, HCW8SN■	717.00
	HCPSU8SN♦	1151.00
	HCPSU8SNCT♦	1269.00
1200 A	HCW12SN■	843.00
1200 A, for use with HCR-U universal panel only	HCWM12SN★	1151.00
1200 A, Including neutral CT for 3Ø4W systems	HCR12SNCT★	1269.00
Equipment Ground Bar Kits—HCN	PK27GTA	33.80
HCM, HCP, HCR-U	PK32DGTA	104.00
Blank Extensions (For replacement purposes)		
1.5 in. for mounting on wide side of I-Line panelboard (minimum order 3) ▼	HLW1BL	14.30
4.5 in. for mounting on wide side of I-Line panelboard (minimum order 5) ▼	HLW4BL	25.20
1.5 in. for mounting on narrow side of I-Line panelboard (minimum order 3) ▼	HLN1BL	14.30
4.5 in. for mounting on narrow side of I-Line panelboard (minimum order 5) ▼	HLN4BL	25.20
4.5 in. for mounting on wide side of I-Line panelboard (minimum order 5) ▼	HLW4EBL	25.20
4.5 in. for mounting on narrow side of I-Line panelboard (minimum order 5) ▼	HLN4EBL	25.20

▲ Used on Type HCN, HCM.
■ Used on 400 A, 600 A, 800 A, and 1200 A HCP (main lugs), and 600 A and 800 A (main circuit breaker).
♦ Used on Type HCP-SU.
★ Used on Type HCR-U.
▼ Blank extension pricing is per unit. Multiply the list price by the quantity ordered. Note minimum order quantity.

Table 9.103: Blank Extensions

Application	Circuit Breaker Mounting Ht.	Branch Circuit Side	Catalog Number
All applications, except Powerpact H/J with Micrologic trip unit 5/6	1.5 in.	Wide Side	HLW1BL
	4.5 in.		HLW4BL
All applications, except Powerpact H/J with Micrologic trip unit 5/6	1.5 in.	Narrow Side	HLN1BL
	4.5 in.		HLN4BL
Only Powerpact H/J circuit breakers with Micrologic trip unit 5/6	4.5 in.	Narrow Side	HLN4EBL
Only Powerpact H/J circuit breakers with Micrologic trip unit 5/6	4.5 in.	Wide Side	HLW4EBL


Blank Extensions


Sub-feed Lug Kits

For Surgelogic™ I-Line plug-on SPD unit pricing and information, see Digest pages 6-3 and 6-4.

For field-installable I-Line door kits, see the Supplemental and Obsolescence Digest, Section 4.

Table 9.104: Panelboard Adapter Kits

Crimp Lug Adapter Kits △	I-Line Panelboard Type			
	HCN	HCM	HCP, HCR-U □	$ Price
400 A	HCN400VCA	HCM400VCA	HCW400VCA	96.
600 A	HCN600VCA	HCM600VCA	HCW600VCA	197.
800 A	—	HCM800VCA	HCW800VCA	284.
1200 A	—	—	HCW1200VCA	491.

△ For use with MLO panel, order VCEL lugs seperately.
□ Not for use with P- or R-frame circuit breakers or sub-feed kits S33930 or S33931.

Table 9.105: Type 3R/5/12 Enclosures

Catalog Number	Interior Type	$ Price	Dimensions (In.)		
			H	W	D
HC4250WP	HCP	4952.	50	42	12.95
HC4259WP	HCP	4952.	59	42	12.95
HC4268WP	HCP	4952.	68	42	12.95
HC4286WP	HCP	4952.	86	42	12.95
HC4486WP	HCR-U	4952.	86	44	14.50

Table 9.106: Box Extensions

Catalog Number	Interior Type	Extension	$ Price
HC2609DEX (F or S)	HCP-SU	9 in.	552.
HC2609EX (F or S)	HCN	9 in.	552.
HC3209EX (F or S)	HCM	9 in.	552.
HC4212DEX (F or S)	HCP	12 in.	641.
HC4406DEX (F or S)	HCR-U	6 in.	552.
HC4412DEX (F or S)	HCR-U	12 in.	641.

Table 9.107: Sub-feed Lug Kits ◊☆

Ampere Rating	Height		Catalog Number	$ Price	Max. Short Circuit System Ratings RMS Symmetrical Amperes			Protected by Circuit Breaker	For Use in I-Line Panelboard Types
	In.	(mm)			240 Vac	480 Vac	600 Vac		
100 A	4.5	114	SL100	435.	65,000	25,000	18,000	FH	HCN, HCM, HCP, HCP-SU
250 A	4.5	114	SL250	435.	125,000	100,000	50,000	JL	HCM, HCP, HCP-SU
250 A	4.5	114	SL250	435.	200,000	200,000	100,000	KI	
400 A	6	152	SL400▽	585.	65,000	35,000	25,000	LH	HCP, HCP-SU
800 A	9	229	SL800	1731.	65,000	65,000	25,000	MJ	HCM, HCP, HCP-SU
				1731.	125,000	100,000	50,000	LL	
1200 A	9	229	S33931	3500.	100,000	65,000	25,000	MJ, PJ	HCP, HCP-SU, HCR-U
1200 A	15	381	S33930	3500.	125,000	100,000	50,000	RL	

◊ Plug-on in same manner as a branch circuit breaker
☆ For other ratings, See the I-Line Information Manual, #80043-309-xx.
▽ SL400 cannot be used in HCM panelboards due to inadequate wire bending space.

Table 9.108: Sub-feed Lug kit terminal data

Catalog No. (Prefix)	No. Poles	Ampere Rating	Std. Lug Kit Catalog No.	Standard Lug Wire Size ◒
SL100	3	100 A	AL100FA	#14–1/0 AWG Cu or #12–1/0 AWG Al
SL250	3	250 A	—	#4 AWG–300 kcmil
SL400	3	400 A	AL400LA	one #1 AWG–600 kcmil or two #1 AWG–250 kcmil
SL800	3	800 A	AL900MA	(3) #3/0 AWG–500 kcmil
S33931	3	1200 A	AL1200P24K	(4) #3/0 AWG–500 kcmil
S33930	3	1200 A	AL1200R53K	(4) #3/0 AWG–600 kcmil

◒ Unless otherwise specified, wire sizes apply to both aluminum and copper conductors.

Table 9.109: QO™ Distribution Panel—240 Vac Max. Only Mounts in Type HCN, HCM, HCP, HCP-SU, or HCR-U I-Line panelboards, 30 A max. branch circuit breaker. Order QO plug-on circuit breakers from page 9-34.

Maximum No. 1-pole QO Circuit Breakers	Phase Connection	Mounting Height		2-pole Catalog Number	3-pole Catalog Number	$ Price ▲
		In.	mm			
6	AB	4.5	114	HQO206AB	—	369.
6	BC	4.5	114	HQO206BC	—	369.
6	AC	4.5	114	HQO206AC	—	369.
6	ABC	4.5	114	—	HQO306	369.

▲ Includes (5) QO1DB dummy circuit breakers.

FA/FH, 1-pole
1.5 in (38 mm)
Mounting Height

FA/FH, 2-pole
3 in (76 mm)
Mounting Height

FA/FH, 3-pole
4.5 in (114 mm)
Mounting Height

Table 9.110: Example: FJA, 20 A 1-pole, 277 Vac and 70 A 2- and 3-pole QB 240 Vac. Use phase option number for HD, HG, HJ, HL, JD, JG, JJ, JL, MG, and MJ.

Phase Option Number	Phase Connection	1-pole	2-pole	3-pole
1	A	FJA140201	—	—
3	B	FJA140203	—	—
5	C	FJA140205	—	—
1	AB	—	QBA220701	—
2	AC	—	QBA220702	—
3	BA	—	QBA220703	—
4	BC	—	QBA220704	—
5	CA	—	QBA220705	—
6	CB	—	QBA220706	—
Standard ■	ABC	—	—	QBA32070
6	CBA	—	—	QBA320706

■ The absence of a phase option number after a 3-pole catalog number will result in an ABC phase connection.

Table 9.111: Example: FA, 30 A, 480 Vac. Use phase option letters for FH, FI, KI, LA, LH, LC, and LI.

Phase Option Letter	1-pole	2-pole	3-pole
A	FA14035A	—	—
B	FA14035B	—	—
C	FA14035C	—	—
AB	—	FA24030AB	—
AC	—	FA24030AC	—
BC	—	FA24030BC	—
ABC	—	—	FA34030
CBA	—	—	FA34030CBA

Table 9.112: Interrupt Ratings (kA)

	FA (240 V)	FA (480 V)	FJ
240 V	10	18 (1P), 25 (2, 3P)	65
277 V	—	18	65
480 V	—	18	—
600 V	—	—	—

F-frame accessories . . . . . starting on Supplemental Digest page 3-24
F-frame dimensions . . . . . Digest page 7-54
F-frame optional lugs . . . . . Digest page 7-51

PowerPact™ D-frame Mission Critical Circuit Breakers

When the D-frame Mission Critical circuit breaker is used as a main circuit breaker with QO branch circuit breakers, the D-frame MC will remain closed during any fault that occurs downstream of the QO circuit breaker up to 30kA at 208Y/120 Vac.

Table 9.113: PowerPact D-frame, 150–600 A–Mission Critical

Circuit Breaker Cat.alog Number ♦	Continuous Current Rating	Terminal Wire Range (AWG/kcmil)	$ Price
DJA32150W	150 A	#2-600 Cu or #2-500 Al	10867.
DJA32250W	250 A		10867.
DJA32400W	400 A		10867.
DJA32600W	600 A	(2) 2/0-350 Cu or (2) 2/0-500Al	17148.

♦ D-frame circuit breakers 400 A and below are 100% rated.

D-frame accessories, lugs . . . . . starting on Supplemental Digest page 3-27
D-frame dimensions . . . . . Digest page 7-55

Table 9.114: F-frame—100 A, Thermal-magnetic (240 Vac)

Ampere Rating	AC Magnetic Trip Settings		Standard Interrupting		Terminal Wire Range
	Hold	Trip	Catalog Number	$ Price	
2-pole, 240 Vac ★					
15 A	275	600	FA22015( )	398.	AL50FA #14–#4 AWG Cu or #12–#4 AWG Al
20 A			FA22020( )		
25 A			FA22025( )		
30 A			FA22030( )		
35 A	400	850	FA22035( )		AL100FA #14–#1/0 AWG Cu or #12–#1/0 AWG Al
40 A			FA22040( )		
45 A			FA22045( )		
50 A			FA22050( )		
60 A	800	1450	FA22060( )		
70 A			FA22070( )	617.	
80 A			FA22080( )		
90 A	900	1700	FA22090( )		
100 A			FA22100( )		
3-pole, 240 Vac					
15 A	275	600	FA32015	572.	AL50FA #14–#4 AWG Cu or #12–#4 AWG Al
20 A			FA32020		
25 A			FA32025		
30 A			FA32030		
35 A	400	850	FA32035	572.	AL100FA #14–#1/0 AWG Cu or #12–#1/0 AWG Al
40 A			FA32040		
45 A			FA32045		
50 A			FA32050		
60 A	800	1450	FA32060	572.	AL100FA #14–#1/0 AWG Cu or #12–#1/0 AWG Al
70 A			FA32070	780.	
80 A			FA32080		
90 A	900	1700	FA32090	780.	AL100FA #14–#1/0 AWG Cu
100 A			FA32100		

★ 1- and 2-pole circuit breaker catalog numbers are completed by adding the required phase connection letters as a suffix.

Table 9.115: F-frame—100 A, Thermal-magnetic (480 Vac)

Ampere Rating	AC Magnetic Trip Settings		Standard Interrupting		Extra High Interrupting		Terminal Wire Range	
	Hold	Trip	Catalog Number	$ Price	Catalog Number	$ Price	FY/FA Lugs	FJ/FC Lugs
1-pole, 277 Vac, 125 Vdc ▼								
15 A	275	600	FY14015( )△	149.	FJA14015( )	651.	AL50FA #14-#4 AWG Cu, or #12-#4 AWG Al	AL30FD #12–#6 AWG Al, or #14–#6 AWG Cu
20 A			FY14020( )△		FJA14020( )			
25 A			FY14025( )△		FJA14025( )			
30 A			FY14030( )△		FJA14030( )			
35 A	400	850	FA14035( )□	302.	FJA14035( )	651.	AL100FA #14–#1/0 AWG Cu or #12–#1/0 AWG Al	AL100FD #12–#2/0 AWG Al or #14–#2/0 AWG Cu
40 A			FA14040( )□		FJA14040( )			
45 A			FA14045( )□		FJA14045( )			
50 A			FA14050( )□		FJA14050( )			
60 A	800	1450	FA14060( )□	302.	FJA14060( )	651.		
70 A			FA14070( )□		FJA14070( )	720.		
80 A			FA14080( )□		—	—		
90 A	900	1700	FA14090( )□	302.	—	—		
100 A			FA14100( )□		—	—		
2-pole, 480 Vac, 250 Vdc ▼△□								
15 A	275	600	FA24015( )	651.	—	—	AL50FA #14–#4 AWG Cu or #12–#4 AWG Al	CU30FA4 one #14–#10 AWG Cu only
20 A			FA24020( )		—	—		
25 A			FA24025( )		—	—		
30 A			FA24030( )		—	—		
35 A	400	850	FA24035( )	651.	—	—	AL100FA #14–#1/0 AWG Cu or #12–#1/0 AWG Al	AL100FA4 one #14–#3 AWG Cu or one #12–#1 AWG Al
40 A			FA24040( )		—	—		
45 A			FA24045( )		—	—		
50 A			FA24050( )		—	—		
60 A	800	1450	FA24060( )	651.	—	—		
70 A			FA24070( )	833.	—	—		
80 A			FA24080( )		—	—		
90 A	900	1700	FA24090( )	833.	—	—		
100 A			FA24100( )		—	—		
3-pole, 480 Vac, 250 Vdc ▼								
15 A	275	600	FA34015	833.	—	—	AL50FA #14–#4 AWG Cu or #12–#4 AWG Al	CU30FA4 one #14–#10 AWG Cu only
20 A			FA34020		—	—		
25 A			FA34025		—	—		
30 A			FA34030		—	—		
35 A	400	850	FA34035	833.	—	—	AL100FA #14–#1/0 AWG Cu or #12–#1/0 AWG Al	AL100FA4 one #14–#3 AWG Cu or one #12–#1 AWG Al
40 A			FA34040		—	—		
45 A			FA34045		—	—		
50 A			FA34050		—	—		
60 A	800	1450	FA34060	833.	—	—		
70 A			FA34070	996.	—	—		
80 A			FA34080		—	—		
90 A	900	1700	FA34090	996.	—	—		
100 A			FA34100		—	—		

▼ 1- and 2-pole circuit breaker catalog numbers are completed by adding the required phase connection letters as a suffix.
△ Rated 277 Vac 15 and 20 A FY circuit breakers are rated for switching duty (SWD). 15, 20, 25, and 30 A FA I-Line circuit breakers are also available (no SWD rating).
□ Rated 277 Vac, 125 Vdc, except FY circuit breakers, which have no dc rating. 15–30 A circuit breakers suitable for use with 60 °C or 75 °C conductors. 35–100 A circuit breakers are suitable for use with 75 °C conductors.

FI36100
2- and 3-pole
4.5 in (114 mm)
Mounting Height

QB/QD/QG/QJ
Mounting Height:
2-pole—3 in (76 mm)
3-pole—4.5 in (114 mm)

Table 9.116: F-frame—100 A, Thermal-magnetic (600 Vac)

Ampere Rating	AC Magnetic Trip Settings		Standard Interrupting		High Interrupting		Current Limiting		Terminal Wire Range
	Hold	Trip	Catalog Number	$ Price	Catalog Number	$ Price	Catalog Number	$ Price	
1-pole, 277 Vac, 125 Vdc ▲									
15 A	275	600	—	—	FH16015( )	**507.**	—	—	AL50FA #14–#4 AWG Cu or #12–#4 AWG Al
20 A			—	—	FH16020( )		—	—	
25 A			—	—	FH16025( )		—	—	
30 A			—	—	FH16030( )		—	—	
35 A	400	850	—	—	FH16035( )	**507.**	—	—	AL100FA #14–#1/0 AWG Cu or #12–#1/0 AWG Al
40 A			—	—	FH16040( )		—	—	
45 A			—	—	FH16045( )		—	—	
50 A			—	—	FH16050( )		—	—	
60 A	800	1450	—	—	FH16060( )	**507.**	—	—	
70 A			—	—	FH16070( )	**563.**	—	—	
80 A			—	—	FH16080( )		—	—	
90 A	900	1700	—	—	FH16090( )	**563.**	—	—	
100 A			—	—	FH16100( )		—	—	
2-pole, 600 Vac, 250 Vdc ▲									
15 A	275	600	FA26015( )	**780.**	FH26015( )	**1214.**	—	—	AL50FA #14–#4 AWG Cu or #12–#4 AWG Al
20 A			FA26020( )		FH26020( )		FI26020( )	**2763.**	
25 A			FA26025( )		FH26025( )		—	—	
30 A			FA26030( )		FH26030( )		FI26030( )	**2763.**	
35 A	400	850	FA26035( )	**780.**	FH26035( )	**1214.**	—	—	AL100FA #14–#1/0 AWG Cu or #12–#1/0 AWG Al
40 A			FA26040( )		FH26040( )		FI26040( )	**2763.**	
45 A			FA26045( )		FH26045( )		—	—	
50 A			FA26050( )		FH26050( )		FI26050( )	**2763.**	
60 A	800	1450	FA26060( )	**780.**	FH26060( )	**1214.**	FI26060( )	**2763.**	
70 A			FA26070( )	**947.**	FH26070( )	**1452.**	FI26070( )		
80 A			FA26080( )		FH26080( )		FI26080( )		
90 A	900	1700	FA26090( )	**947.**	FH26090( )	**1452.**	FI26090( )	**2763.**	
100 A			FA26100( )		FH26100( )		FI26100( )		
3-pole, 600 Vac, 250 Vdc									
15 A	275	600	FA36015	**971.**	FH36015	**1446.**	—	—	AL50FA #14–#4 AWG Cu or #12–#4 AWG Al
20 A			FA36020		FH36020		FI36020	**3459.**	
25 A			FA36025		FH36025		—	—	
30 A			FA36030		FH36030		FI36030	**3459.**	
35 A	400	850	FA36035	**971.**	FH36035	**1446.**	—	—	AL100FA #14–#1/0 AWG Cu or #12–#1/0 AWG Al
40 A			FA36040		FH36040		FI36040	**3459.**	
45 A			FA36045		FH36045		—	—	
50 A			FA36050		FH36050		FI36050	**3459.**	
60 A	800	1450	FA36060	**971.**	FH36060	**1446.**	FI36060	**3459.**	
70 A			FA36070	**1163.**	FH36070	**1632.**	FI36070		
80 A			FA36080		FH36080		FI36080		
90 A	900	1700	FA36090	**1163.**	FH36090	**1632.**	FI36090	**3459.**	
100 A			FA36100		FH36100		FI36100		

▲ 1- and 2-pole circuit breaker catalog numbers are completed by adding the required connection letters as a suffix, See Digest page 9-24.

NOTE: *As of January 1st, FI breakers will only fit on the wide side of I-Line panelboards.*

Table 9.117: PowerPact™ Q-frame ■— 225 A, Thermal-magnetic (240 Vac)

Ampere Rating	AC Magnetic Trip Settings		"B" Interrupting		"D" Interrupting		"G" Interrupting		"J" Interrupting	
	Hold	Trip	Catalog Number	$ Price	Catalog Number	$ Price	Catalog Number	$ Price	Catalog Number	$ Price
2-pole, 240 Vac ♦										
70 A	1000	1800	QBA22070( )	**600.**	QDA22070( )	**1202.**	QGA22070( )	**1593.**	QJA22070( )	**1992.**
80 A			QBA22080( )		QDA22080( )		QGA22080( )		QJA22080( )	
90 A			QBA22090( )		QDA22090( )		QGA22090( )		QJA22090( )	
100 A	1200	2400	QBA22100( )		QDA22100( )		QGA22100( )		QJA22100( )	
110 A			QBA22110( )		QDA22110( )		QGA22110( )		QJA22110( )	
125 A			QBA22125( )		QDA22125( )		QGA22125( )		QJA22125( )	
150 A			QBA22150( )		QDA22150( )		QGA22150( )		QJA22150( )	
175 A			QBA22175( )		QDA22175( )		QGA22175( )		QJA22175( )	
200 A			QBA22200( )		QDA22200( )		QGA22200( )		QJA22200( )	
225 A			QBA22225( )		QDA22225( )		QGA22225( )		QJA22225( )	
3-pole, 240 Vac ★										
70 A	1000	1800	QBA32070( )	**1913.**	QDA32070( )	**2069.**	QGA32070( )	**2835.**	QJA32070( )	**3245.**
80 A			QBA32080( )		QDA32080( )		QGA32080( )		QJA32080( )	
90 A			QBA32090( )		QDA32090( )		QGA32090( )		QJA32090( )	
100 A	1200	2400	QBA32100( )		QDA32100( )		QGA32100( )		QJA32100( )	
110 A			QBA32110( )		QDA32110( )		QGA32110( )		QJA32110( )	
125 A			QBA32125( )		QDA32125( )		QGA32125( )		QJA32125( )	
150 A			QBA32150( )		QDA32150( )		QGA32150( )		QJA32150( )	
175 A			QBA32175( )		QDA32175( )		QGA32175( )		QJA32175( )	
200 A			QBA32200( )		QDA32200( )		QGA32200( )		QJA32200( )	
225 A			QBA32225( )		QDA32225( )		QGA32225( )		QJA32225( )	

■ Replacement lugs are not available on QB, QD, QG, or QJ circuit breakers. Lugs for QB, QD, QG, or QJ circuit breakers accept one #4 AWG–300 kcmil. No accessories are available for PowerPact Q Frame breakers.

♦ 2-pole QB, QD, QG, and QJ circuit breakers are completed by adding the required phasing numbers as indicated in the parentheses, See Digest page 9-24.

★ 3-pole QB, QD, QG, and QJ circuit breakers for ABC phasing are complete without additional phasing number. For CBA phasing, complete the catalog number by inserting the number "6" in the parentheses.

Table 9.118: Interrupt Ratings (kA)

	FA	FH	FI	QB	QD	QG	QJ ▼
240 V	25	25 (1P 35–100 A), 65 (1P 15–30 A, 2P, 3P)	200	10	25	65	100
480 V	18	25 (2, 3P)		—	—	—	—
600 V	14	18 (2, 3P)	100	—	—	—	—

▼ 3-pole QJ circuit breakers are rated at 208Y/120 Vac only.

F-frame accessories . . . . . starting on Supplemental Digest page 3-24
F-frame dimensions . . . . . .Digest page 7-54
F-frame optional lugs . . . . . .Digest page 7-51

Q-frame accessories . . . . . Digest page 7-38
. . . . . .starting on Supplemental Digest page 3-24
Q-frame dimensions . . . . . .Digest page 7-54
Q-frame optional lugs . . . . . .Supplemental Digest page 3-29

Table 9.119: H-frame 150 A Thermal-Magnetic UL Current-Limiting▲ Circuit Breakers (600 Vac, 250 Vdc) With Factory Sealed Trip Unit■ Suitable for Reverse Connection■

Current Rating @ 40°C	Fixed AC Magnetic Trip		Cat. No.♦	Interrupting Rating (2nd Letter of Catalog Number)				Terminal Wire Range
				D	G	J▲	L▲	
				$ Price				
	Hold	Trip		80% Rated	80% Rated	80% Rated	80% Rated	
H-frame, 150A 2P, 600 Vac 50/60 Hz, 250 Vdc▲								
15 A	350 A	750 A	H( )A26015( )	899.	1338.	1589.	2364.	AL150HD 14–3/0 AWG Al or Cu
20 A	350 A	750 A	H( )A26020( )	899.	1338.	1589.	2483.	
25 A	350 A	750 A	H( )A26025( )	899.	1338.	1589.	2483.	
30 A	350 A	750 A	H( )A26030( )	899.	1338.	1589.	2483.	
35 A	400 A	850 A	H( )A26035( )	899.	1338.	1589.	2483.	
40 A	400 A	850 A	H( )A26040( )	899.	1338.	1589.	2483.	
45 A	400 A	850 A	H( )A26045( )	899.	1338.	1589.	2483.	
50 A	400 A	850 A	H( )A26050( )	899.	1338.	1589.	2483.	
60 A	800 A	1450 A	H( )A26060( )	899.	1338.	1589.	2483.	
70 A	800 A	1450 A	H( )A26070( )	1088.	1559.	1824.	2681.	
80 A	800 A	1450 A	H( )A26080( )	1088.	1559.	1824.	2681.	
90 A	800 A	1450 A	H( )A26090( )	1088.	1559.	1824.	2681.	
100 A	800 A	1700 A	H( )A26100( )	1088.	1559.	1824.	2681.	
110 A	900 A	1700 A	H( )A26110( )	2195.	3212.	4671.	5699.	
125 A	900 A	1700 A	H( )A26125( )	2195.	3212.	4671.	5699.	
150 A	900 A	1700 A	H( )A26150( )	2195.	3212.	4671.	5699.	
H-frame 150A 3P, 600 Vac 50/60 Hz, 250 Vdc								
15 A	350 A	750 A	H( )A36015	1124.	1575.	1988.	2993.	AL150HD 14–3/0 AWG Al or Cu
20 A	350 A	750 A	H( )A36020	1124.	1575.	1988.	2993.	
25 A	350 A	750 A	H( )A36025	1124.	1575.	1988.	2993.	
30 A	350 A	750 A	H( )A36030	1124.	1575.	1988.	2993.	
35 A	400 A	850 A	H( )A36035	1124.	1575.	1988.	2993.	
40 A	400 A	850 A	H( )A36040	1124.	1575.	1988.	2993.	
45 A	400 A	850 A	H( )A36045	1124.	1575.	1988.	2993.	
50 A	400 A	850 A	H( )A36050	1124.	1575.	1988.	2993.	
60 A	800 A	1450 A	H( )A36060	1124.	1575.	1988.	2993.	
70 A	800 A	1450 A	H( )A36070	1361.	1772.	2225.	3243.	
80 A	800 A	1450 A	H( )A36080	1361.	1772.	2225.	3243.	
90 A	800 A	1450 A	H( )A36090	1361.	1772.	2225.	3243.	
100 A	800 A	1700 A	H( )A36100	1361.	1772.	2225.	3243.	
110 A	900 A	1700 A	H( )A36110	2730.	3779.	5432.	6951.	
125 A	900 A	1700 A	H( )A36125	2730.	3779.	5432.	6951.	
150 A	900 A	1700 A	H( )A36150	2730.	3779.	5432.	6951.	

▲ 2 pole circuit breaker catalog numbers are completed by adding the required phase connection number as a suffix see Table 9.128.

Table 9.120: J-frame 250 A Thermal-Magnetic UL Current-Limiting▲ Circuit Breakers (600 Vac, 250 Vdc) With Factory Sealed Trip Unit■ Suitable for Reverse Connection■

Current Rating @ 40°C	Adjustable AC Magnetic Trip		Cat. No.♦	Interrupting Rating (2nd Letter of Catalog Number)					Terminal Wire Range
				D	G	J▲	L▲	R▲	
				$ Price					
	Low	High		80% Rated	80% Rated	80% Rated	80% Rated	80% Rated	
J-frame 250A 2P, 600 Vac 50/60 Hz, 250 Vdc▲									
150 A	750 A	1500 A	J( )A26150( )	2283.	3372.	4904.	5985.	—	AL175JD 4–4/0 AWG Al or Cu
175 A	875 A	1750 A	J( )A26175( )	2283.	3372.	4904.	5985.	—	
200 A	1000 A	2000 A	J( )A26200( )	2283.	3372.	4904.	5985.	—	AL250JD 3/0 AWG–350 kcmil Al or Cu
225 A	1125 A	2250 A	J( )A26225( )	2283.	3372.	4904.	5985.	—	
250 A	1250 A	2500 A	J( )A26250( )	3138.	4463.	6536.	7338.	—	
J-frame 250A 3P, 600 Vac 50/60 Hz, 250 Vdc									
150 A	750 A	1500 A	J( )A36150	2867.	3968.	5705.	7299.	9676.	AL175JD 4–4/0 AWG Al or Cu
175 A	875 A	1750 A	J( )A36175	2867.	3968.	5705.	7299.	9676.	
200 A	1000 A	2000 A	J( )A36200	2867.	3968.	5705.	7299.	9676.	AL250JD 3/0 AWG–350 kcmil Al or Cu
225 A	1125 A	2250 A	J( )A36225	2867.	3968.	5705.	7299.	9676.	
250 A	1250 A	2500 A	J( )A36250	3936.	5252.	7599.	9173.	11729.	

▲ 2 pole circuit breaker catalog numbers are completed by adding the required phase connection number as a suffix see Table 9.128.

Table 9.121: H-frame 150 A and J-frame 250 A Electronic Trip UL Current-Limiting▲ Circuit Breakers (600 Vac) With Factory Sealed Trip Unit■ Suitable for Reverse Connection ★

Electronic Trip Unit			Sensor Rating	Cat. No.♦	Interrupting Rating (2nd Letter of Catalog Number)					Terminal
					D	G	J▲	L▲	R▲	
					$ Price					
Type	Function	Trip Unit			80% Rated	80% Rated	80% Rated	80% Rated	80% Rated	
600 Vac, 50/60 Hz, 3P										
Micrologic Standard	LI	3.2□	60 A	H( )A36060U31X	1316.	1743.	2224.	3173.	4171.	AL150HD▼
			100 A	H( )A36100U31X	1569.	1962.	2382.	3490.	4591.	
			150 A	H( )A36150U31X	2911.	3965.	5626.	7288.	9631.	
			250 A	J( )A36250U31X	3120.	4226.	5970.	7715.	10102.	AL250JD△
	LSI	3.2S□	60 A	H( )A36060U33X	1512.	1939.	2420.	3370.	4393.	AL150HD▼
			100 A	H( )A36100U33X	1765.	2159.	2578.	3686.	4813.	
			150 A	H( )A36150U33X	3107.	4161.	5823.	7484.	9853.	
			250 A	J( )A36250U33X	3398.	4505.	6249.	7994.	10420.	AL250JD△
Micrologic Ammeter	LSI	5.2A	60 A	H( )A36060U43X	2143.	2570.	3051.	4001.	5185.	AL150HD▼
			100 A	H( )A36100U43X	2396.	2789.	3209.	4317.	5653.	
			150 A	H( )A36150U43X	3738.	4792.	6453.	8115.	10836.	
			250 A	J( )A36250U43X	4299.	5406.	7150.	8895.	11561.	AL250JD△
Micrologic Energy	LSI	5.2E	60 A	H( )A36060U53X	2523.	2950.	3431.	4380.	5883.	AL150HD▼
			100 A	H( )A36100U53X	2776.	3169.	3589.	4697.	6333.	
			150 A	H( )A36150U53X	4118.	5172.	6833.	8495.	11342.	
			250 A	J( )A36250U53X	4840.	5947.	7691.	9436.	12413.	AL250JD△
Micrologic Ammeter	LSIG	6.2A	60 A	H( )A36060U44X	2902.	3330.	3811.	4760.	6423.	AL150HD▼
			100 A	H( )A36100U44X	3156.	3549.	3969.	5077.	6873.	
			150 A	H( )A36150U44X	4497.	5551.	7213.	8875.	11864.	
			250 A	J( )A36250U44X	5381.	6487.	8231.	9976.	13157.	AL250JD△
Micrologic Energy	LSIG	6.2E	60 A	H( )A36060U54X	3282.	3709.	4190.	5140.	6963.	AL150HD▼
			100 A	H( )A36100U54X	3535.	3929.	4349.	5456.	7413.	
			150 A	H( )A36150U54X	4877.	5931.	7593.	9254.	12386.	
			250 A	J( )A36250U54X	5921.	7028.	8772.	10517.	13900.	AL250JD△

▲ Circuit breakers with J, L, and R interrupting ratings are UL certified as current limiting.
■ See Supplemental Digest pages 3-2 and 3-3 for circuit breakers with field-interchangeable trip units
♦ To complete catalog number, replace the blank with the appropriate rating (D, G, J, L).
★ For applications requiring communications, see Digest page 7-49.
▼ AL150HD wire range is 14–3/0 AWG Al or Cu.
△ AL250JD wire range is 3/0 AWG–350 kcmil Al or Cu. For smaller wire range (4–4/0 AWG Al or Cu), replace the lug's wire binding screws with the larger binding screws provided.
□ 3P circuit breakers with this trip unit can be used for 2P applications.

Table 9.122: K-frame—250 A, Thermal-magnetic, Current Limiting (600 Vac)

KI36250
2- and 3-pole
4.5 in (114 mm)
Mounting Height

Ampere Rating	AC Magnetic Trip Settings		Current Limiting		Terminal Wire Range
	Low	High	Catalog Number	$ Price	
2-pole, 600 Vac, 250 Vdc ▲					
110 A	550	1100	KI26110( )	**6633.**	AL250KA
125 A	625	1250	KI26125( )	**6633.**	one #4 AWG–
150 A	750	1500	KI26150( )	**6633.**	350 kcmil
175 A	875	1750	KI26175( )	**6633.**	Al or Cu
200 A	1000	2000	KI26200( )	**6633.**	AL250KI
225 A	1125	2250	KI26225( )	**6633.**	one #1/0 AWG–
250 A	1250	2500	KI26250( )	**7704.**	350 kcmil Al or Cu
3-pole, 600 Vac, 250 Vdc					
110 A	550	1100	KI36110	**8375.**	AL250KA
125 A	625	1250	KI36125	**8375.**	one #4 AWG–
150 A	750	1500	KI36150	**8375.**	350 kcmil
175 A	875	1750	KI36175	**8375.**	Al or Cu
200 A	1000	2000	KI36200	**8375.**	AL250KI
225 A	1125	2250	KI36225	**8375.**	one #1/0 AWG–
250 A	1250	2500	KI36250	**9267.**	350 kcmil Al or Cu

▲ 2-pole circuit breaker catalog numbers are completed by adding required phase connection letters as suffix to catalog number. See Digest page 9-24.

J-Frame Mission Critical Circuit Breaker

Table 9.123: J-frame 250 A Electronic Trip Mission Critical Circuit Breakers (480/277 Vac) With Factory Sealted Trip Units Suitable for Reverse Connection▲

Electronic Trip Unit Type	Trip Function	Trip Unit	Continuous Current	D Interrupting		G Interrupting		J Interrupting		L Interrupting		Terminal
				Cat. No.	$ Price	Cat. No.	$ Price	Cat. No.	$ Price	Cat. No.	$ Price	
Standard	LI	3.2 W	250	JDA34250WU31X	**3619.**	JGA34250WU31X	**4857.**	JJA34250WU31X	**6808.**	JLA34250WU31X	**8759.**	AL250JD■
Standard	LSI	3.2S-W	250	JDA34250WU33X	**3931.**	JGA34250WU33X	**5169.**	JJA34250WU33X	**7119.**	JLA34250WU33X	**9071.**	AL250JD■
High Perf. Ammerter	LSI	5.2A-W	250	JDA34250WU43X	**4939.**	JGA34250WU43X	**6176.**	JJA34250WU43X	**8127.**	JLA34250WU43X	**10079.**	AL250JD■
High Perf. Energy	LSI	5.2E-W	250	JDA34250WU53X	**5544.**	JGA34250WU53X	**6782.**	JJA34250WU53X	**8732.**	JLA34250WU53X	**10684.**	AL250JD■
High perf. Ammerter	LSIG	6.2A-W	250	JDA34250WU44X	**6148.**	JGA34250WU44X	**7386.**	JJA34250WU44X	**9336.**	JLA34250WU44X	**11288.**	AL250JD■
High Perf. Energy	LSIG	6.2E-W	250	JDA34250WU54X	**6753.**	JGA34250WU54X	**7991.**	JJA34250WU54X	**9942.**	JLA34250WU54X	**11893.**	AL250JD■

▲ Standard rated (80%). Not available in 100% rated.
■ AL250JD terminal wire range is (1) 3/0 AWG–350 kcmil Al or Cu.

L-Frame Mission Critical Circuit Breaker

Table 9.124: L-frame 600 A Electronic Trip Mission Critical Circuit Breakers (480/277 Vac) With Factory Sealted Trip Units Suitable for Reverse Connection▲

Electronic Trip Unit Type	Trip Function	Trip Unit	Continuous Current	D Interrupting		G Interrupting		J Interrupting		L Interrupting		Terminal
				Cat. No.	$ Price	Cat. No.	$ Price	Cat. No.	$ Price	Cat. No.	$ Price	
Standard	LI	3.3 W	250	LDA34250WU31X	**5991.**	LGA34250WU31X	**6291.**	LJA34250WU31X	**10299.**	LLA34250WU31X	**11998.**	AL400L61K3■
			400	LDA34400WU31X	**5991.**	LGA34400WU31X	**6291.**	LJA34400WU31X	**10299.**	LLA34400WU31X	**11998.**	AL600LF52K3♦
			600	LDA34600WU31X	**8684.**	LGA34600WU31X	**9126.**	LJA34600WU31X	**12733.**	LLA34600WU31X	**14263.**	
Standard	LSI	3.3S-W	250	LDA34250WU33X	**6656.**	LGA34250WU33X	**6990.**	LJA34250WU33X	**10999.**	LLA34250WU33X	**12698.**	AL400L61K3■
			400	LDA34400WU33X	**6656.**	LGA34400WU33X	**6990.**	LJA34400WU33X	**10999.**	LLA34400WU33X	**12698.**	AL600LF52K3♦
			600	LDA34600WU33X	**9349.**	LGA34600WU33X	**9826.**	LJA34600WU33X	**13433.**	LLA34600WU33X	**14962.**	
High Perf. Ammeter	LSI	5.3A-W	400	LDA34400WU43X	**7674.**	LGA34400WU43X	**8062.**	LJA34400WU43X	**12070.**	LLA34400WU43X	**13769.**	AL600LF52K3♦
			600	LDA34600WU43X	**10366.**	LGA34600WU43X	**10896.**	LJA34600WU43X	**14503.**	LLA34600WU43X	**16033.**	
High Perf. Energy	LSI	5.3E-W	400	LDA34400WU53X	**8791.**	LGA34400WU53X	**9238.**	LJA34400WU53X	**13247.**	LLA34400WU53X	**14946.**	AL600LF52K3♦
			600	LDA34600WU53X	**11485.**	LGA34600WU53X	**12074.**	LJA34600WU53X	**15681.**	LLA34600WU53X	**17210.**	
High Perf. Ammeter	LSIG	6.3A-W	400	LDA34400WU44X	**9911.**	LGA34400WU44X	**10417.**	LJA34400WU44X	**14426.**	LLA34400WU44X	**16125.**	AL600LF52K3♦
			600	LDA34600WU44X	**12604.**	LGA34600WU44X	**13251.**	LJA34600WU44X	**17139.**	LLA34600WU44X	**18388.**	
High Perf. Energy	LSIG	6.3E-W	400	LDA34400WU54X	**11029.**	LGA34400WU54X	**11594.**	LJA34400WU54X	**15602.**	LLA34400WU54X	**17301.**	AL600LF52K3♦
			600	LDA34600WU54X	**13722.**	LGA34600WU54X	**14429.**	LJA34600WU54X	**18036.**	LLA34600WU54X	**19566.**	

▲ Standard rated (80%). Not available in 100% rated.
■ AL400L61K3 terminal wire range is (1) #2 AWG–500 kcmil Al or #2 AWG–600 kcmil Cu..
♦ AL600LF52K3 terminal wire range is (2) #3/0 AWG–500 kcmil Al or Cu.

Table 9.125: PowerPact™ H-, J-, and L-frame Automatic Molded Case Switches, 600 Vac

Circuit Breaker	Poles	Ampere Rating	G Withstand			L Withstand			R Withstand			Terminal	Wire Range
			Cat. No.	$ Price	Trip Point	Cat. No.	$ Price	Trip Point	Cat. No.	$ Price	Trip Point		
H-frame J-frame	2▲	150 A	HGA26000S15( )	**1349.**	2250 A	HLA26000S15	**1590.**	2250 A	—	—	—	—	—
		175 A	JGA26000S17( )	**1827.**	3125 A	JLA26000S17	**1980.**	3125 A	—	—	—	—	—
		250 A	JGA26000S25( )	**1827.**	3125 A	JLA26000S25	**1980.**	3125 A	—	—	—	—	—
	3	150 A	HGA36000S15	**1799.**	2250 A	HLA36000S15	**1988.**	2250 A	HRA36000S15	**2295.**	2250 A	AL150HD	14 AWG–3/0 AWG Al/Cu
		175 A	JGA36000S17	**2286.**	3125 A	JLA36000S17	**2475.**	3125 A	JRA36000S17	**2860.**	3125 A	AL175JD	4–4/0 AWG Al/Cu
		250 A	JGA36000S25	**2286.**	3125 A	JLA36000S25	**2475.**	3125 A	JRA36000S25	**2860.**	3125 A	AL250JD	3/0 AWG–350 kcmil Al/Cu
L-frame	3	400 A	LGA36000S40X	**4572.**	4800 A	LLA36000S40X	**4972.**	4800 A	LRA36000S40X	**5688.**	4800 A	AL150HD	AL600LS52K3
		600 A	LGA36000S60X	**5065.**	6600A	LLA36000S60X	**5465.**	6600 A	LRA36000S60X	**6220.**	6600 A	AL250JD	(2) 2/0 AWG–500 kcmil Al/Cu

▲ 2-pole circuit breaker catalog numbers are completed by adding the required phase connection number as a suffix, see Table 9.128.

Table 9.126: KI Interrupt Ratings (kA)

V	KI
240	200
480	200
600	100

Table 9.127: Interrupt Ratings (kA)

	D	G	J	L
240 V	25	65	100	125
480 V	18	35	65	100

Table 9.128: Phase Options—Example HDA26150( )

Phase Option Number	Phase Connection	2-pole	3-pole
1	AB	HDA261501	—
2	AC	HDA261502	—
3	BA	HDA261503	—
4	BC	HDA261504	—
5	CA	HDA261505	—
6	CB	HDA261506	—
Standard	ABC	—	JDA34250WU31X
6	CBA	—	JDA34250WU31X6

K-frame accessories . . . . . starting on Supplemental Digest page 3-25
K-frame dimensions. . . . . Supplemental Digest page 3-33
K-frame optional lugs. . . . . Supplemental Digest page 3-28
H-, J-, and L-frame accessories . . . . . starting on Digest page 7-36
H-, J-, and L-frame dimensions. . . . . starting on Digest page 7-54
H-, J-, and L-frame optional lugs. . . . . Digest page 7-39

LA Mission Critical Circuit Breakers

The LA High Magnetic Withstand MC Circuit Breakers are designed to trip at a higher magnetic trip level (18–20 times handle rating) than typical molded case circuit breakers (MCCBs) (which trip at 5–10 times the handle rating). The high magnetic withstand value of these LA circuit breakers allow the downstream branch circuit breaker to clear the fault.

LA/LH
2- and 3-pole
6 in (152 mm)
Mounting Height

Table 9.129: L-frame—400 A, I-Line™ LA/LH MC High Magnetic Withstand Circuit Breaker For Mission Critical Loads

Ampere Rating	AC Magnetic Level Factory Set ▲		Standard Interrupting		High Interrupting		Terminal	
	Hold	Trip	Cat. No.	$ Price	Cat. No.	$ Price	Cat. No.	Wire Range
LA/LH MC Circuit Breaker, 3P, 480 Vac								
200 A	3400 A	4000 A	LA34200MC	**5571.**	LH34200MC	**8771.**	AL250LAMC	(1) 250–350 kcmil Al (1) 3/0 AWG–350 kcmil Cu
225 A	3825 A	4500 A	LA34225MC	**5571.**	LH34225MC	**8771.**		
250 A	4250 A	5000 A	LA34250MC	**5681.**	LH34250MC	**8882.**		
400 A	6000 A	7200 A	LA34400MC	**6941.**	LH34400MC	**10142.**	AL400LA	(1) 1 AWG–600 kcmil Al or (2) 1 AWG–250 kcmil Al

▲ AC magnetic setting tolerances are +0 -25% from maximum value shown.

LI
2- and 3-pole
7.5 in (190 mm)
Mounting Height

Table 9.130: L-frame—400 A, Thermal-magnetic (600 Vac)

Ampere Rating	AC Magnetic Trip Settings		Standard Interrupting		High Interrupting		Terminal Wire Range
	Low	High	Catalog Number	$ Price	Catalog Number	$ Price	
2-pole, 600 Vac, 250 Vdc ■							
125 A	625	1250	LA26125( )	**4053.**	LH26125( )	**6762.**	AL400LA one #1 AWG–600 kcmil or two #1 AWG–250 kcmil AL or Cu
150 A	750	1500	LA26150( )	**4053.**	LH26150( )	**6762.**	
175 A	875	1750	LA26175( )	**4053.**	LH26175( )	**6762.**	
200 A	1000	2000	LA26200( )	**4053.**	LH26200( )	**6762.**	
225 A	1125	2250	LA26225( )	**4053.**	LH26225( )	**6762.**	
250 A	1250	2500	LA26250( )	**4053.**	LH26250( )	**6762.**	
300 A	1500	3000	LA26300( )	**4053.**	LH26300( )	**6762.**	
350 A	1750	3500	LA26350( )	**4053.**	LH26350( )	**6762.**	
400 A	2000	4000	LA26400( )	**4053.**	LH26400( )	**6762.**	
3-pole, 600 Vac, 250 Vdc							
125 A	625	1250	LA36125	**4944.**	LH36125	**8145.**	AL400LA one #1 AWG–600 kcmil or two #1 AWG–250 kcmil AL or Cu
150 A	750	1500	LA36150	**4944.**	LH36150	**8145.**	
175 A	875	1750	LA36175	**4944.**	LH36175	**8145.**	
200 A	1000	2000	LA36200	**4944.**	LH36200	**8145.**	
225 A	1125	2250	LA36225	**4944.**	LH36225	**8145.**	
250 A	1250	2500	LA36250	**4944.**	LH36250	**8145.**	
300 A	1500	3000	LA36300	**4944.**	LH36300	**8145.**	
350 A	1750	3500	LA36350	**4944.**	LH36350	**8145.**	
400 A	2000	4000	LA36400	**4944.**	LH36400	**8145.**	

LC
2- and 3-pole
7.5 in (190 mm)
Mounting Height

Table 9.131: L-frame—600 A, Thermal-magnetic (600 Vac)♦

Ampere Rating	AC Magnetic Trip Settings		Extra High Interrupting		Current Limiting		Terminal Wire Range
	Low	High	Catalog Number	$ Price	Catalog Number	$ Price	
2-pole, 600 Vac ■							
300 A	1500	3200	LC26300( )	**8312.**	LI26300( )	**9563.**	AL600LI5 two #4/0 AWG–500 kcmil AL or Cu
350 A	1750		LC26350( )		LI26350( )		
400 A	2000		LC26400( )		LI26400( )		
450 A	2250	4200	LC26450( )	**8691.**	LI26450( )	**13949.**	
500 A	2500		LC26500( )		LI26500( )		
600 A	3000		LC26600( )		LI26600( )		
3-pole, 600 Vac							
300 A	1500	3200	LC36300	**9234.**	LI36300	**10673.**	AL600LI5 two #4/0 AWG–500 kcmil AL or Cu
350 A	1750		LC36350		LI36350		
400 A	2000		LC36400		LI36400		
450 A	2250	4200	LC36450	**9657.**	LI36450	**15498.**	
500 A	2500		LC36500		LI36500		
600 A	3000		LC36600		LI36600		

■ 2-pole circuit breaker catalog numbers are completed by adding required phase connection letters as suffix to catalog number. See Digest page 9-24.
♦ Type LC and LI circuit breakers are NOT recommended for use on single-motor branch circuits.

L-frame acccessories . . . . . starting on Supplemental Digest page 3-24
L-frame dimensions . . . . . Digest page 7-54
L-frame optional lugs . . . . . Digest page 7-53

Table 9.132: Interrupt Ratings (kA)

	LA	LH	LC	LI
240 V	42	65	100	200
480 V	30	35	65	200
600 V	22	25	35	100

Table 9.133: L-frame 600 A Circuit Breakers with Lugs and Factory-Sealed Electronic Trip Units Suitable for Reverse Connection▲

Electronic Trip Unit			Sensor Rating	Catalog Number■	Interrupting Rating (2nd Letter of Catalog Number)										Terminal
					D		G		J ♦		L ♦		R ♦		
Type	Function	Trip Unit			$ Price										
					80%	100%	80%	100%	80%	100%	80%	100%	80%	100%	
600 Vac, 53/60 Hz, 3P															
Micrologic Standard	LI	3.3★	250 A	L( )A36250U31X	**5122.**	**5943.**	**5376.**	**6240.**	**8773.**	**10214.**	**10213.**	**11899.**	**11745.**	**13745.**	AL400L61K3▼
			400 A 600 A	L( )A36400U31X L( )A36600U31X	**5122.** **7404.**	**5943.** —	**5376.** **7779.**	**6240.** —	**8773.** **10836.**	**10214.** —	**10213.** **12132.**	**11899.** —	**11745.** **13952.**	**13745.** —	AL600LF52K3△
Micrologic Standard	LSI	3.3S★	250 A	L( )A36250U33X	**5686.**	**6506.**	**5969.**	**6833.**	**9366.**	**10808.**	**10806.**	**12493.**	**12427.**	**14449.**	AL400L61K3▼
			400 A 600 A	L( )A36400U33X L( )A36600U33X	**5686.** **7968.**	**6506.** —	**5969.** **8372.**	**6833.** —	**9366.** **11429.**	**10808.** —	**10806.** **12725.**	**12493.** —	**12427.** **14634.**	**14449.** —	
Micrologic Ammeter	LSI	5.3A	400 A 600 A	L( )A36400U43X L( )A36600U43X	**6548.** **8830.**	**7368.** —	**6877.** **9279.**	**7740.** —	**10274.** **12336.**	**11715.** —	**11714.** **13632.**	**13400.** —	**13471.** **15677.**	**15523.** —	
Micrologic Energy	LSI	5.3E	400 A 600 A	L( )A36400U53X L( )A36600U53X	**7495.** **9778.**	**8316.** —	**7874.** **10277.**	**8738.** —	**11271.** **13334.**	**12713.** —	**12711.** **14630.**	**14398.** —	**14618.** **16825.**	**16705.** —	AL600LF52K3△
Micrologic Ammeter	LSIG	6.3A	400 A 600 A	L( )A36400U44X L( )A36600U44X	**8444.** **10726.**	**9264.** —	**8873.** **11275.**	**9736.** —	**12270.** **14332.**	**13711.** —	**13710.** **15628.**	**15396.** —	**15767.** **17972.**	**17887.** —	
Micrologic Energy	LSIG	6.3E	400 A 600 A	L( )A36400U54X L( )A36600U54X	**9392.** **11674.**	**10212.** —	**9870.** **12273.**	**10734.** —	**13267.** **15329.**	**14709.** —	**14707.** **16626.**	**16394.** —	**16913.** **19120.**	**19069.** —	

▲ See Supplemental Digest page 3-4 for circuit breakers with field-interchangeable trip units.
■ For 100% rated circuit breakers (250 A and 400 A only), add a "C" in the 9th character place (for example, LRA36400CU31X).
♦ Circuit breakers with J, L, and R interrupting ratings are UL certified as current limiting.
★ 3P circuit breakers with this trip unit can be used for 2P applications.
▼ AL400L61K3 terminal wire ranges are (1) 2 AWG–600 kcmil Cu or (1) 2 AWG–500 kcmil Al.
△ AL600LFS52K3 terminal wire range is (2) 3/0 –500 kcmil.
□ For applications requiring communications, see Digest page 7-43.

Interrupt Ratings (kA)

	G	J	L ◊
240 V	65	100	125
480 V	35	65	100
600 V ☆	18	25	25

◊ L interrupting rating is not available in M-frame.
☆ 600 V interrupt ratings not available for D-frame.

Table 9.134: PowerPact M-frame: with ET1.0 Factory – sealed trip unit (not field adjustable)—800 A ▽

	Ampere Rating	Adjustable Instantaneous Trip Range ◒		G Interrupting		J Interrupting		Terminal Wire Range
		Low	High	Catalog Number ✱	$ Price	Catalog Number ✱	$ Price	
2-pole, 600 Vac, 50/60 Hz	300 A	600	3000	MGA26300( )	**6633.**	MJA26300( )	**8253.**	3–3/0 through 500 kcmil Al or Cu
	350 A	700	3500	MGA26350( )		MJA26350( )		
	400 A	800	4000	MGA26400( )		MJA26400( )		
	450 A	900	4500	MGA26450( )		MJA26450( )		
	500 A	1000	5000	MGA26500( )		MJA26500( )		
	600 A	1200	6000	MGA26600( )		MJA26600( )		
	700 A	1400	7000	MGA26700( )	**8370.**	MJA26700( )	**10104.**	
	800 A	1600	8000	MGA26800( )		MJA26800( )		
3-pole, 600 Vac, 50/60 Hz	300 A	600	3000	MGA36300	**8168.**	MJA36300	**9929.**	3–3/0 through 500 kcmil Al or Cu
	350 A	700	3500	MGA36350		MJA36350		
	400 A	800	4000	MGA36400		MJA36400		
	450 A	900	4500	MGA36450		MJA36450		
	500 A	1000	5000	MGA36500		MJA36500		
	600 A	1200	6000	MGA36600		MJA36600		
	700 A	1400	7000	MGA36700	**10608.**	MJA36700	**12630.**	
	800 A	1600	8000	MGA36800		MJA36800		

▽ The ET 1.0 trip unit cannot be field replaced, nor does it allow adjustment of the long-time trip point setting. It is considered an electronic equivalent of a thermal-magnet circuit breaker.
◒ UL magnetic trip setting tolerances are ±10% from the nominal values shown.
✱ Fill in parentheses with the following phase connection options: (2) for AC and (5) for CA.

L-frame accessories . . . . . starting on Supplemental Digest page 3-24
L-frame dimensions . . . . . starting on Digest page 7-54
L-frame optional lugs . . . . . Digest page 7-53
M-frame accessories . . . . . starting on Digest page 7-36
M-frame dimensions . . . . . Digest page 7-55
M-frame optional lugs . . . . . Digest page 7-39

Table 9.135: Automatic Molded Case Switches—600 Vac, 50/60 Hz

Ampere Rating	2-pole		3-pole		Withstand Rating ♦			Trip Point Amperes	Terminal Wire Range
	Catalog Number ◑	$ Price	Catalog Number	$ Price	240 Vac	480 Vac	600 Vac	AC	
600 A	PJA26000S60( )	**6675.**	PJA36000S60	**7263.**	100	65	25	10000	3–3/0 through 500 kcmil Al or Cu
800 A	PJA26000S80( )	**7347.**	PJA36000S80	**7938.**	100	65	25	10000	
1000 A	PJA26000S10( )	**8088.**	PJA36000S10	**8676.**	100	65	25	10000	4–3/0 through 500 kcmil Al or Cu
1200 A	PJA26000S12( )	**10895.**	PJA36000S12	**11766.**	100	65	25	10000	

♦ The withstand rating is the fault current, at rated voltage, that the molded case switch will withstand without damage when protected by a circuit breaker with an equal ampere rating.
◑ Fill in parentheses with the following phase connection options: (2) for AC or (5) for CA.

Table 9.136: PowerPact P- and R-frame Interrupt Ratings

Voltage	P-frame Interrupt Rating				R-frame Interrupt Rating			
	G	J	K	L	G	J	K	L
240 Vac	65 kA	100 kA	65 kA	125 kA	65 kA	100 kA	65 kA	125 kA
480 Vac	35 kA	65 kA	50 kA	100 kA	35 kA	65 kA	65 kA	100 kA
600 Vac	18 kA	25 kA	50 kA	25 kA	18 kA	25 kA	65 kA	50 kA

P- and R-frame accessories . . . . . starting on Digest page 7-36
P- and R-frame dimensions . . . . . Digest page 7-55
P- and R-frame optional lugs . . . . . Digest page 7-39

Table 9.137: PowerPact P-frame 1200 A (600 Vac, 50/60 Hz) 3P Circuit Breaker with Electronic Trip Unit

Electronic Trip Unit			Sensor Rating	Cat. No.▲■	$ Price								Terminal Wire Range
					G Interrupting ▲		J Interrupting ▲		K Interrupting ▲		L Interrupting ▲♦		
Type	Function	Code			80% Rated	100% Rated ■	80% Rated	100% Rated ■	80% Rated	100% Rated ■	80% Rated	100% Rated ■	
Basic Electronic Trip Unit (Not Interchangeable)	Fixed long-time, Adjustable Instantaneous	ET1.0I	600 A	P( )A36060	14603.	—	15480.	—	15480.	—	16359.	—	(3) 3/0 AWG–500 kcmil Al or Cu AL800M23K
			800 A	P( )A36080									
			1000 A	P( )A36100	20003.	—	21207.	—	21207.	—	22410.	—	(4) 3/0 AWG–500 kcmil Al or Cu AL1200P24K
			1200 A	P( )A36120									
Micrologic Interchangeable Standard Trip Unit	LI	3.0	250 A	P( )A36025(C)U31A	15390.	22479.	16268.	23897.	16268.	23897.	17147.	25314.	(3) 3/0 AWG–500 kcmil Al or Cu AL800M23K
			400 A	P( )A36040(C)U31A									
			600 A	P( )A36060(C)U31A									
			800 A	P( )A36080(C)U31A									
			1000 A	P( )A36100U31A	20790.	—	21995.	—	21995.	—	23198.	—	(4) 3/0 AWG–500 kcmil Al or Cu AL1200P24K
			1200 A	P( )A36120U31A									
	LSI	5.0	250 A	P( )A36025(C)U33A	15729.	22794.	16608.	24231.	16608.	24231.	17487.	25668.	(3) 3/0 AWG–500 kcmil Al or Cu AL800M23K
			400 A	P( )A36040(C)U33A									
			600 A	P( )A36060(C)U33A									
			800 A	P( )A36080(C)U33A									
			1000 A	P( )A36100U33A	21131.	—	22334.	—	22334.	—	23538.	—	(4) 3/0 AWG–500 kcmil Al or Cu AL1200P24K
			1200 A	P( )A36120U33A									
Micrologic Interchangeable Ammeter Trip Unit	LI	3.0A	250 A	P( )A36025(C)U41A	16242.	23270.	17121.	24737.	17121.	24737.	17999.	26204.	(3) 3/0 AWG–500 kcmil Al or Cu AL800M23K
			400 A	P( )A36040(C)U41A									
			600 A	P( )A36060(C)U41A									
			800 A	P( )A36080(C)U41A									
			1000 A	P( )A36100U41A	21642.	—	22845.	—	22845.	—	24051.	—	(4) 3/0 AWG–500 kcmil Al or Cu AL1200P24K
			1200 A	P( )A36120U41A									
	LSI	5.0A	250 A	P( )A36025(C)U43A	17739.	24659.	18618.	26214.	18618.	26214.	19497.	27770.	(3) 3/0 AWG–500 kcmil Al or Cu AL800M23K
			400 A	P( )A36040(C)U43A									
			600 A	P( )A36060(C)U43A									
			800 A	P( )A36080(C)U43A									
			1000 A	P( )A36100U43A	23141.	—	24345.	—	24345.	—	25548.	—	(4) 3/0 AWG–500 kcmil Al or Cu AL1200P24K
			1200 A	P( )A36120U43A									
	LSIG	6.0A	250 A	P( )A36025(C)U44A	19607.	26393.	20486.	28058.	20486.	28058.	21365.	29721.	(3) 3/0 AWG–500 kcmil Al or Cu AL800M23K
			400 A	P( )A36040(C)U44A									
			600 A	P( )A36060(C)U44A									
			800 A	P( )A36080(C)U44A									
			1000 A	P( )A36100U44A	25008.	—	26211.	—	26211.	—	27416.	—	(4) 3/0 AWG–500 kcmil Al or Cu AL1200P24K
			1200 A	P( )A36120U44A									
Micrologic Interchangeable Power Trip Unit	LSI	5.0P	250 A	P( )A36025(C)U63AE1	22151.	28754.	23030.	30566.	23030.	30566	23909.	32379.	(3) 3/0 AWG–500 kcmil Al or Cu AL800M23K
			400 A	P( )A36040(C)U63AE1									
			600 A	P( )A36060(C)U63AE1									
			800 A	P( )A36080(C)U63AE1									
			1000 A	P( )A36100U63AE1	27552.	—	28757.	—	28757.	—	29960.	—	(4) 3/0 AWG–500 kcmil Al or Cu AL1200P24K
			1200 A	P( )A36120U63AE1									
	LSIG	6.0P	250 A	P( )A36025(C)U64AE1	23234.	29757.	24111.	31634.	24111.	31634.	24990.	33510.	(3) 3/0 AWG–500 kcmil Al or Cu AL800M23K
			400 A	P( )A36040(C)U64AE1									
			600 A	P( )A36060(C)U64AE1									
			800 A	P( )A36080(C)U64AE1									
			1000 A	P( )A36100U64AE1	28634.	—	29838.	—	29838.	—	31041.	—	(4) 3/0 AWG–500 kcmil Al or Cu AL1200P24K
			1200 A	P( )A36120U64AE1									
Micrologic Interchangeable Harmonic Trip Unit	LSI	5.0H	250 A	P( )A36025(C)U73AE1	26234.	32541.	27113.	34593.	27113.	34593.	27992.	36645	(3) 3/0 AWG–500 kcmil Al or Cu AL800M23K
			400 A	P( )A36040(C)U73AE1									
			600 A	P( )A36060(C)U73AE1									
			800 A	P( )A36080(C)U73AE1									
			1000 A	P( )A36100U73AE1	31634.	—	32837.	—	32837.	—	34043.	—	(4) 3/0 AWG–500 kcmil Al or Cu AL1200P24K
			1200 A	P( )A36120U73AE1									
	LSIG	6.0H	250 A	P( )A36025(C)U74AE1	27315.	33545.	28194.	35661.	28194.	35661.	29073.	37776.	(3) 3/0 AWG–500 kcmil Al or Cu AL800M23K
			400 A	P( )A36040(C)U74AE1									
			600 A	P( )A36060(C)U74AE1									
			800 A	P( )A36080(C)U74AE1									
			1000 A	P( )A36100U74AE1	32717.	—	33921.	—	33921.	—	35124.	—	(4) 3/0 AWG–500 kcmil Al or Cu AL1200P24K
			1200 A	P( )A36120U74AE1									

Table 9.138: PowerPact R-frame 1200 A (600 Vac, 50/60 Hz) 3P Circuit Breaker with Electronic Trip Unit

Electronic Trip Unit			Sensor Rating	Cat. No.	$ Price								Terminal Wire Range
					G Interrupting▲♦		J Interrupting▲♦		K Interrupting▲♦		L Interrupting▲♦★		
Type	Function	Code			80% Rated	100% Rated	80% Rated	100% Rated	80% Rated	100% Rated	80% Rated	100% Rated	
Basic Electronic Trip Unit (Not Interchangeable)	Fixed Long-Time, Adjustable Instantaneous	ET1.01	1200 A	R( )A36120	27080.	—	28777.	—	28777.	—	30533.	—	AL1200R53K (4) 3/0-600 kcmil Al or Cu
Micrologic Interchangeable Standard Trip Unit	LI	3.0	1000 A	R( )A36100CU31A	—	33945.	—	36111.	—	36111.	—	38418.	
			1200 A	R( )A36120CU31A									
	LSI	5.0	1000 A	R( )A36100CU33A	—	34401.	—	36599.	—	36599.	—	38934.	
			1200 A	R( )A36120CU33A									
Micrologic Interchangeable Ammeter Trip Unit	LI	3.0A	1000 A	R( )A36100CU41A	—	35141.	—	37383.	—	37383.	—	39770.	
			1200 A	R( )A36120CU41A									
	LSI	5.0A	1000 A	R( )A36100CU43A	—	36581.	—	38916.	—	38916.	—	41400.	
			1200 A	R( )A36120CU43A									
	LSI	6.0A	1000 A	R( )A36100CU44A	—	38378.	—	40829.	—	40829.	—	43434.	
			1200 A	R( )A36120CU44A									
Micrologic Interchangeable Power Trip Unit	LSI	5.0P	1000 A	R( )A36100CU63AE1	—	40826.	—	43431.	—	43431.	—	46205.	
			1200 A	R( )A36120CU63AE1									
	LSIG	6.0P	1000 A	R( )A36100CU64AE1	—	41867.	—	44540.	—	44540.	—	47382.	
			1200 A	R( )A36120CU64AE1									
Micrologic Interchangeable Harmonic Trip Unit	LSI	5.0H	1000 A	R( )A36100CU73AE1	—	44754.	—	47610.	—	47610.	—	50649.	
			1200 A	R( )A36120CU73AE1									
	LSIG	6.0H	1000 A	R( )A36100CU74AE1	—	45795.	—	48719.	—	48719.	—	51827.	
			1200 A	R( )A36120CU74AE1									

▲ To complete the catalog number, replace the blank ( ) with the appropriate interrupt rating (G, J, K, or L).

■ For 100% rated circuit breakers add a "C" in the 9th character place. For example, the catalog number for a 100% standard-type trip unit with LI trip functions at 250 A would be PGA36025**C**U31A.

♦ The L interrupt rating is supplied in 480 V only. Change the 5th character (voltage rating) from a 6 (600 V) to a 4 (480 V); for example, PLA3**4**025U31A.

★ See Table 9.136 on Digest page 9-29 for interrupt ratings.

P- and R-frame accessories. . . . . starting on Digest page 7-36
P- and R-frame dimensions . . . . . Digest page 7-55
P- and R-frame trip unit options . . . . . Digest page 7-44
P- and R-frame optional lugs . . . . . Digest page 7-39
P- and R-frame alternate rating plugs . . . . . Digest page 7-45

Table 9.139: Base $ Price—Main Lugs ▲

Panel Type	Main Lugs				
	225 A	400 A	600 A	800 A	1200 A
HCN	1356.	1866.	2276.	—	—
HCM	—	1866.	2276.	2512.	—
HCP-SU	—	—	2990.	3600.	—
HCP	—	—	2456.	3056.	3968.
HCR-U	—	—	—	—	4602.

▲ When required, add the $ Price of a solid neutral from Table 9.140.

Table 9.140: Standard Solid Neutral

Ampere Rating	$ Price
100/225 A	294.
400 A	384.
600 A	544.
800 A	764.
1200 A	1366.

Table 9.141: Base $ Price—Main Circuit Breaker ■

Panel Type	No. Poles	Main Circuit Breaker						
		100 A			150 A			
		FA	FH	FI ♦	HD ♦	HG ♦	HJ ♦	HL ♦
HCN	2	2100.	2100.	4642.	3360.	3860.	4540.	5550.
	3	2418.	2958.	5864.	3770.	4210.	4890.	5900.
HCM	2	—	—	—	3360.	3860.	4540.	5550.
	3	—	—	—	3770.	4210.	4890.	5900.

Panel Type	No. Poles	225 A					400 A								600 A							
		JD	JG	JJ	JL	KI ♦	LD	LG	LJ	LL	LA	LH	LC ♦	LI ♦	LD	LG	LJ	LL	LC ♦	LI ♦	MG	MJ
							Electronic 100%								Electronic 80%							
HCN	2	3956.	4146.	7126.	7356.	8356.	—	—	—	—	6132.	9126.	—	—	—	—	—	—	—	—	—	—
	3	4440.	5550.	7466.	8676.	10148.	—	—	—	—	7136.	10666	—	—	—	—	—	—	—	—	—	—
HCM	2	3956.	4146.	7126.	7356.	8356.	—	—	—	—	6132.	9126.	—	—	—	—	—	—	—	—	8880.	11260.
	3	4440.	5550.	7466.	8676.	10148.	—	—	—	—	7136.	10666.	—	—	—	—	—	—	—	—	10770.	13400.
HCP, HCP-SU	2	—	—	—	—	—	11865.	12470.	14795.	15940.	—	—	10366.	11610.	15425.	16215.	19235.	20725.	11176.	16504.	8880.	11260.
	3	—	—	—	—	—					—	—	11888.	13354.					12678.	18090.	10770.	13400.

Panel Type	No. Poles	800 A ★								
		MG	MJ	PL ■	PG ♦	PJ ♦	PL ♦	PGC ♦	PJC ♦	PLC ♦
					Micrologic™ 80%			Micrologic 100%		
HCN	2	—	—	—	—	—	—	—	—	—
	3	—	—	—	—	—	—	—	—	—
HCM	2	11846.	14778.	—	—	—	—	—	—	—
	3	14302.	17456.	—	—	—	—	—	—	—
HCP, HCP-SU	2	11846.	14778.	19346.	15830.	16830.	21090.	16542.	18510.	24250.
	3	14302.	17456.	23416.	18312.	20280.	24540.	20144.	22300.	28220.

Panel Type	No. Poles	1200 A ♦★▼								
		PG	PJ	PL	PG	PJ	PL	RGC	RJC	RLC
					Micrologic 80%			Micrologic 100%		
HCP, HCP-SU	2	22542.	24336.	26648.	22380.	24980.	27980.	24618.	24478.	32178.
	3	24568.	26560.	29128.	28710.	31310.	35570.	31582.	34442.	40906.
HCR-U	2	22542.	24336.	26648.	22380.	24980.	27980.	24618.	24478.	32178.
	3	24568.	26560.	29128.	28710.	31310.	35570.	31582.	34442.	40906.

■ When required, add the $ Price of a solid neutral from Table 9.140.
♦ Standard construction back-fed main.
★ PG, PJ, PL circuit breakers are available with both thermal-magnetic equivalent and Micrologic trip. The Micrologic circuit breakers are available 80% and 100% rated. The "C" suffix denotes a 100% rating.
▼ For 1200 A frame thermal magnetic circut breaker with 600 kcmil lugs, select an R-frame Thermal Magnetic circuit breaker in the Product Selector.

Table 9.142: Electronic Trip Units for H-frame Circuit Breakers

	Standard $ Price	Ammeter $ Price	Energy $ Price
LI (3.0)	Standard	—	—
LSI (5.0)	549.	2550.	3485.
LSIG (6.0) △	—	4577.	5979.

Table 9.143: Electronic Trip Units for J-frame Circuit Breakers

	Standard $ Price	Ammeter $ Price	Energy $ Price
LI (3.0)	Standard	—	—
LSI (5.0)	785.	3643.	4978.
LSIG (6.0) △	—	6538.	8542.

Table 9.144: Electronic Trip Units (L-, P-, and R-frame Circuit Breakers)

	$ Price				
	Standard	Ammeter	Energy N✪●▼⋮	Power	Harmonic
LI (3.0)	Standard	—	—	—	—
LSI (5.0)	1670.	4670.	7659.	21600.	32330.
LSIG (6.0) △	—	9340.	13777.	31000.	37000.

△ When adding G, requires current transformers and a box extension and is available factory assembled only.
Note: Energy trip unit available for L-frame circuit breakers only.
PowerPact circuit breakers come with a standard LI trip unit. Use the above $ Price adder for increase in trip functionality. See Digest page 7-43 for L- frame trip unit descriptions. See Digest page 7-44 for P- and R- frame trip unit descriptions.

Table 9.145: I-Line 200% Rated Neutral—Standard Terminal Configuration □

Panel Type	Ampacity	Type	Branch Space		Neutral Terminals Quantity and Size		Type 1 Enclosure					
			In.	mm	Main	Branch	H		W		D	
							In.	mm	In.	mm	In.	mm
HCM	600 A	MLO	72	1829	(8) 750 kcmil	(35) 350 kcmil, (9)#14-1/0, (17)#14-#4	91	2311	32	813	8.25	210
	600 A (MG, MJ)	M/B	72	1829	(8) 750 kcmil		91	2311	32	813	9.50	241
	800 A	MLO	72	1829	(8) 750 kcmil		91	2311	32	813	8.25	210
	800 A (MG, MJ)	M/B	72	1829	(8) 750 kcmil		91	2311	32	813	9.50	241
HCR-U◊	1200A	M/B, MLO	108	2743	(8) 750 kcmil	(8) 600 kcmil, (15) 350 kcmil (9) #14-1/0, (17)#14-#4	86	2184	44	1118	9.50	241
HCP	600A	M/B, MLO	63	1600	(8) 750 kcmil	(35) 350 kcmil, (9)#14-1/0, (17)#14-#4	68	1727	42	1067	9.50	241
	800A	M/B, MLO	99	2515	(8) 750 kcmil	(35) 350 kcmil, (9)#14-1/0, (17)#14-#4	86	2184	42	1067	9.50	241
HCP-SU☆	800A	M/B, MLO	54	1371	(8) 750 kcmil	(8) 750 kcmil, (21) 350 kcmil, (9) #14-1/0, (17) #14-#4	86	2184	26	660	9.5	241

□ Available in Type 1 enclosure only; for pricing, see Digest page 9-34.
◊ 6 in. enclosure extension is required for HCRU I-Line panelboard.
☆ 9 in. enclosure extension is required for HCP-SU I-Line panelboard.

Table 9.146: **Branch Circuit Breakers—Thermal Magnetic Circuit Breakers** ▲
(See Digest pages 7-4 through 7-8 for interrupt rating, voltage ratings, Fed. Specs, etc.)

Circuit Breaker Ampere Rating	Circuit Breaker	3-pole ▼					2-pole ▼					1-pole ▼				
		240 V	480 Vac 250 Vdc	600 V	Space Only	H (In.)	240 Vac	480 Vac 250 Vdc	600 Vac	Space Only	H (In.)	120 V	277 V	277 Vac 125 Vdc	Space Only	H (In.)
15–60 A	FA (FY-1P)	**720.**	**882.**	**1006.**	**98.**	4.5	**520.**	**708.**	**786.**	**82.**	3	—	—	**270.** ♦	**72.**	1.5
70–100 A	FA	**832.**	**1142.** ■	**1218.**	**98.**	4.5	**632.**	**956.**	**964.**			**354.**	**384.**	**384.** ♦	**72.**	1.5
15–60 A	FH	**1100.**	—	**1442.**	**98.**	4.5	**1050.**	—	**1218.**	**98.**	3	—	—	**518.**	**72.**	1.5
70–100 A		**1300.**	—	**1940.**			**1250.**	—	**1620.**			—	—	**650.**	**72.**	1.5
15–60 A	FJ★	**1300.**	**2080.**	—	**98.**	3	**1250.**	**1660.**	—	**98.**	3	—	**664.**	—	**72.**	1.5
70–100 A		**1500.**	**2470.**	—			**1450.**	**1980.**	—			—	**832.**	—	**72.**	1.5
20–100 A	FI	—	—	**4254.**	**98.**	4.5	—	—	**3466.** ■	**98.**	4.5	—	—	—	—	—
15–60 A	HD	—	—	**1350.**	**98.**	4.5	—	—	**1150.**	**98.**	3	—	—	—	—	—
70–100 A		—	—	**1570.**			—	—	**1370.**			—	—	—	—	—
110–150 A		—	—	**2710.**			—	—	**2370.**			—	—	—	—	—
15–60 A	HG	—	—	**1710.**	**98.**	4.5	—	—	**1352.**	**98.**	3	—	—	—	—	—
70–100 A		—	—	**2198.**			—	—	**1508.**			—	—	—	—	—
110–150 A		—	—	**3310.**			—	—	**3110.**			—	—	—	—	—
15–60 A	HJ	—	—	**2380.**	**98.**	4.5	—	—	**2002.**	**98.**	4.5	—	—	—	—	—
70–100 A		—	—	**2700.**			—	—	**2364.**			—	—	—	—	—
110–150 A		—	—	**4500.**			—	—	**3980.**			—	—	—	—	—
15–60 A	HL	—	—	**3910.**	**98.**	4.5	—	—	**3250.**	**98.**	4.5	—	—	—	—	—
70–100 A		—	—	**4054.**			—	—	**3402.**			—	—	—	—	—
110–150 A		—	—	**5530.**			—	—	**4600.**			—	—	—	—	—
70–225 A	QB	**1696.**	—	—	**98.**	4.5	**560.**	—	—	**82.**	3	—	—	—	—	—
70–225 A	QD	**2208.**	—	—	**98.**	4.5	**1300.** ■	—	—	**82.**	3	—	—	—	—	—
70–225 A	QG	**2870.**	—	—	**98.**	4.5	**2800.**	—	—	**82.**	3	—	—	—	—	—
70–225 A	QJ	**3070.**	—	—	**98.**	4.5	**3000.**	—	—	**82.**	3	—	—	—	—	—
150–225 A	JD	—	—	**2820.**	**98.**	4.5	—	—	**2600.**	**98.**	4.5	—	—	—	—	—
250 A		—	—	**3800.**			**3600.**	—	**3430.**			—	—	—	—	—
150–225 A	JG	—	—	**3990.**	**98.**	4.5	**4600.**	—	**2790.**	**98.**	4.5	—	—	—	—	—
250 A		—	—	**4180.**			**3900.**	—	**3620.**			—	—	—	—	—
150–225 A	JJ	—	—	**6110.**	**98.**	4.5	**4000.**	**5434.**	**5770.**	**98.**	4.5	—	—	—	—	—
250 A		—	—	**6500.**			**4300.**	**6672.**	**6450.**			—	—	—	—	—
150–225 A	JL	—	—	**7320.**	**98.**	4.5	**4300.**	**5434.**	**6000.**	**98.**	4.5	—	—	—	—	—
250 A		—	—	**8900.**				**6672.**	**6800.**			—	—	—	—	—
150–225 A	KI	—	—	**7972.**	**98.**	4.5	—	—	**6216.** ■	**98.**	4.5	—	—	—	—	—
250 A		—	—	**9268.**			—	—	**7262.** ■			—	—	—	—	—
300–400 A	LA	—	—	**4916.**	**252.**	6	—	—	**3980.**	**252.**	6	—	—	—	—	—
300–400 A	LH	—	—	**5312.**			—	—	**4500.**			—	—	—	—	—
300–400 A	LC	**5460.**	—	**10156.**	**456.**	7.5	**4550.**	—	**8634.**	**456.**	7.5	—	—	—	—	—
450–600 A		—	—	**10422.**			—	—	**8920.**			—	—	—	—	—
300–400 A	LI	—	—	**11622.**	**456.**	7.5	—	—	**9878.** ■	**456.**	7.5	—	—	—	—	—
450–600 A		—	—	**15834.**			—	—	**14248.** ■			—	—	—	—	—
300–600 A	MG	—	—	**8152.**	**662.**	9	—	—	**6322.**	**662.**	9	—	—	—	—	—
700–800 A		—	—	**10600.**			—	—	**8180.**			—	—	—	—	—
300–600 A	MJ	—	—	**10126.**	**662.**	9	—	—	**8536.**	**662.**	9	—	—	—	—	—
700–800 A		—	—	**13306.**			—	—	**10944.**			—	—	—	—	—
600–800 A	PL	—	**20360.**	—	**662.**	9	—	**16290.**	—	**662.**	9	—	—	—	—	—
600–1200 A	PG	—	—	**19966.**	**662.**	9	—	—	**17940.**	**662.**	9	—	—	—	—	—
600–1200 A	PJ /PK	—	—	**21960.**	**662.**	9	—	—	**19724.**			—	—	—	—	—
1000–1200 A	PL	—	**24526.**	—	**662.**	9	—	**22046.**	—	**662.**	9	—	—	—	—	—
250–400 A	PLC (100%) ▼	—	**16940.**	—	**662.**	9	—	**13550.**	—	**662.**	9	—	—	—	—	—
450–600 A		—	**22620.**	—			—	**18100.**	—			—	—	—	—	—
700–800 A		—	**24440.**	—			—	**19560.**	—			—	—	—	—	—
1000–1200 A	RG (80%) ▼	—	—	**24460.**	**662.**	15	—	—	**24460.**	**662.**	15	—	—	—	—	—
	RJ (80%) ▼	—	—	**26710.**			—	—	**26710.**			—	—	—	—	—
	RL (80%) ▼	—	—	**32580.**			—	—	**32580.**			—	—	—	—	—

▲ See Digest pages 7-4 through 7-8 for additional dc ratings.
■ ac only.
♦ FA, 1P.
★ 480Y/277 Volt rated circuit breaker—Do not use on 480 Volt 3Ø3W Delta systems.
▼ See Table 9.144 on Digest page 9-31 for P- and R frame Micrologic trip unit price adders.

Table 9.147: Branch Circuit Breakers—Electronic Trip Circuit Breakers ▲
(See Digest pages 7-4 through 7-8 for interrupt rating, voltage ratings, Fed. Specs, etc.)

Circuit Breaker Ampere Rating	Circuit Breaker	3-pole★					2-pole ★					1-pole ★				
		240 V	480 Vac 250 Vdc	600 V	Space Only	H	240 Vac	480 Vac 250 Vdc	600 Vac	Space Only	H	120 V	277 V	277 Vac 125 Vdc	Space Only	H
15–60 A	HD (80%) ■	—	—	**1790.**	**98.**	4.5	—	—	—	—	—	—	—	—	—	—
35–100 A		—	—	**2102.**	**98.**	4.5	—	—	—	—	—	—	—	—	—	—
50–150 A		—	—	**3756.**	**98.**	4.5	—	—	—	—	—	—	—	—	—	—
70–250 A	JD (80%) ♦	—	—	**4013.**	**98.**	4.5	—	—	—	—	—	—	—	—	—	—
15–60 A	HG (80%) ■	—	—	**2110.**	**98.**	4.5	—	—	—	—	—	—	—	—	—	—
35–100 A		—	—	**2380.**	**98.**	4.5	—	—	—	—	—	—	—	—	—	—
50–150 A		—	—	**4848.**	**98.**	4.5	—	—	—	—	—	—	—	—	—	—
70–250 A	JG (80%) ♦	—	—	**5082.**	**98.**	4.5	—	—	—	—	—	—	—	—	—	—
15–60 A	HJ (80%) ■	—	—	**2703.**	**98.**	4.5	—	—	—	—	—	—	—	—	—	—
35–100 A		—	—	**2898.**	**98.**	4.5	—	—	—	—	—	—	—	—	—	—
50–150 A		—	—	**6895.**	**98.**	4.5	—	—	—	—	—	—	—	—	—	—
70–250 A	JJ (80%) ♦	—	—	**7231.**	**98.**	4.5	—	—	—	—	—	—	—	—	—	—
15–60 A	HL (80%) ■	—	—	**4027.**	**98.**	4.5	—	—	—	—	—	—	—	—	—	—
35–100 A		—	—	**4263.**	**98.**	4.5	—	—	—	—	—	—	—	—	—	—
50–150 A		—	—	**8943.**	**98.**	4.5	—	—	—	—	—	—	—	—	—	—
70–250 A	JL (80%) ♦	—	—	**9381.**	**98.**	4.5	—	—	—	—	—	—	—	—	—	—
70–250 A	LD (80%) ★	—	—	**5378.**	**252.**	6	—	—	—	—	—	—	—	—	—	—
125–400 A		—	—	**5378.**	**252.**	6	—	—	—	—	—	—	—	—	—	—
200–600 A		—	—	**7775.**	**252.**	6	—	—	—	—	—	—	—	—	—	—
70–250 A	LG (80%) ★	—	—	**5645.**	**252.**	6	—	—	—	—	—	—	—	—	—	—
125–400 A		—	—	**5645.**	**252.**	6	—	—	—	—	—	—	—	—	—	—
200–600 A		—	—	**8167.**	**252.**	6	—	—	—	—	—	—	—	—	—	—
70–250 A	LJ (80%) ★	—	—	**9212.**	**252.**	6	—	—	—	—	—	—	—	—	—	—
125–400 A		—	—	**9212.**	**252.**	6	—	—	—	—	—	—	—	—	—	—
200–600 A		—	—	**11378.**	**252.**	6	—	—	—	—	—	—	—	—	—	—
70–250 A	LL (80%) ★	—	—	**10724.**	**252.**	6	—	—	—	—	—	—	—	—	—	—
125–400 A		—	—	**10724.**	**252.**	6	—	—	—	—	—	—	—	—	—	—
200–600 A		—	—	**12738.**	**252.**	6	—	—	—	—	—	—	—	—	—	—
70–250 A	LDC (100%) ★	—	—	**6991.**	**252.**	6	—	—	—	—	—	—	—	—	—	—
125–400 A		—	—	**6991.**	**252.**	6	—	—	—	—	—	—	—	—	—	—
70–250 A	LLC (100%) ★	—	—	**13941.**	**252.**	6	—	—	—	—	—	—	—	—	—	—
125–400 A		—	—	**13941.**	**252.**	6	—	—	—	—	—	—	—	—	—	—
70–250 A	LGC (100%) ★	—	—	**7338.**	**252.**	6	—	—	—	—	—	—	—	—	—	—
125–400 A		—	—	**7338.**	**252.**	6	—	—	—	—	—	—	—	—	—	—
70–250 A	LJC (100%) ★	—	—	**11975.**	**252.**	6	—	—	—	—	—	—	—	—	—	—
125–400 A		—	—	**11975.**	**252.**	6	—	—	—	—	—	—	—	—	—	—
60–400 A	DG (100%) ▼	—	**5687.**	—	**252.**	6	—	**4550.**	—	**252.**	6	—	—	—	—	—
600 A	DG (80%) ▼	—	**8954.**	—	**252.**	6	—	**7163.**	—	**252.**	6	—	—	—	—	—
60–400 A	DJ (100%) ▼	—	**9118.**	—	**252.**	6	—	**7295.**	—	**252.**	6	—	—	—	—	—
600 A	DJ (80%) ▼	—	**12385.**	—	**252.**	6	—	**9908.**	—	**252.**	6	—	—	—	—	—
60–400 A	DL (100%) ▼	—	**10573.**	—	**252.**	6	—	**8458.**	—	**252.**	6	—	—	—	—	—
600 A	DL (80%) ▼	—	**13839.**	—	**252.**	6	—	**11071.**	—	**252.**	6	—	—	—	—	—
250–400 A	PG (80%) ★	—	—	**8900.**	**662.**	9	—	—	**7120.**	**662.**	9	—	—	—	—	—
450–600 A		—	—	**13310.**			—	—	**10648.**			—	—	—	—	—
700–800 A		—	—	**14730.**			—	—	**12402.**			—	—	—	—	—
1000–1200 A		—	—	**21240.**			—	—	**16992.**			—	—	—	—	—
250–400 A	PJ/PK (80%) ★	—	—	**10400.**	**662.**	9	—	—	**9240.**	**662.**	9	—	—	—	—	—
450–600 A		—	—	**15570.**			—	—	**12450.**			—	—	—	—	—
700–800 A		—	—	**17220.**			—	—	**13780.**			—	—	—	—	—
1000–1200 A		—	—	**24850.**			—	—	**19880.**			—	—	—	—	—
250–400 A	PL (80%) ★	—	**15400.**	—	**662.**	9	—	**12320.**	—	**662.**	9	—	—	—	—	—
450–600 A		—	**20570.**	—			—	**16450.**	—			—	—	—	—	—
700–800 A		—	**22220.**	—			—	**17780.**	—			—	—	—	—	—
1000–1200 A		—	**29850.**	—			—	**23880.**	—			—	—	—	—	—
250–400 A	PGC (100%) ★	—	—	**9790.**	**662.**	9	—	—	**7832.**	**662.**	9	—	—	—	—	—
450–600 A		—	—	**14642.**			—	—	**11714.**			—	—	—	—	—
700–800 A		—	—	**16200.**			—	—	**13642.**			—	—	—	—	—
250–400 A	PJC/PKC (100%) ★	—	—	**11960.**	**662.**	9	—	—	**9570.**	**662.**	9	—	—	—	—	—
450–600 A		—	—	**17900.**			—	—	**14330.**			—	—	—	—	—
700–800 A		—	—	**19800.**			—	—	**15840.**			—	—	—	—	—
250–400 A	PLC (100%)★	—	**16940.**	—	**662.**	9	—	**13550.**	—	**662.**	9	—	—	—	—	—
450–600 A		—	**22620.**	—			—	**18100.**	—			—	—	—	—	—
700–800 A		—	**24440.**	—			—	**19560.**	—			—	—	—	—	—
1000–1200 A	RG (100%) ★	—	—	**29317.**	**662.**	15	—	—	**29317.**	**662.**	15	—	—	—	—	—
	RJ (100%) ★	—	—	**32159.**			—	—	**32159.**			—	—	—	—	—
	RL (100%) ★	—	—	**39389.**			—	—	**39389.**			—	—	—	—	—

▲ See Digest pages 7-4 through 7-8 for additional dc ratings.
■ See Table 9.142 on Digest page 9-31 for H-frame electronic trip unit price adders.
♦ See Table 9.143 on Digest page 9-31 for J-frame electronic trip unit price adders.
★ See Table 9.144 on Digest page 9-31 for L-, P-, and R-frame electronic trip unit price adders.
▼ See the Supplemental Digest for D-frame electronic trip unit price adders.

Table 9.148: QO Plug-On Branch Circuit Breakers

	$ Price
Transition Charge per 6 QO one-pole spaces (H=4.5 in. per 6 one-pole spaces)	328.
QO Branch circuit breakers	See Digest page 7-10

Table 9.149: Sub-feed/Feed-through Lugs ▲

Ampere Rating	$ Price
225 A	368.
400 A	600.
600 A	858.
800 A	1490.
1200 A	1890.

▲ 2 or 3-pole Branch Mounted; SL Kit used for both SFL and TFL.

Table 9.150: Ground Bars

	$ Price
Equipment Ground Bar	180.
Copper Ground Bar ■	148.
Insulated/Isolated Ground Bar	$ Price Additional Neutral Assembly

■ Add to equipment ground bar $ Price.

Table 9.151: Name Plates

	$ Price
Standard white face/black letter laminated bakelite, 1 in. x 3.5 in., adhesive backed or screw mountable with screws in a bag assembly ($ Price includes engraving)	78.

Table 9.152: Copper Bus Bars

Ampere Rating	Type	$ Price
225 A	HCN, HCM	528.
400 A	HCN, HCM, HCP	720.
600 A	HCN	720.
600 A	HCM, HCP, HCR-U	1274.
800-1200 A	HCP, HCR-U	1274.

Table 9.153: Neutrals

Ampere Rating	Type	$ Price Adder
100–400 A	Copper Neutral	868.
600 A	Copper Neutral	894.
800 A	Copper Neutral	1108.
1200 A	Copper Neutral	1352.

Table 9.154: 200% Rated Neutrals

Ampere Rating	Type	$ Price Adder
225 A	Aluminum	820.
400 A	Aluminum	940.
600 A	Aluminum	1340.
800 A	Aluminum	1350.
1200 A	Aluminum	2020.
225 A	Copper	1210.
400 A	Copper	1300.
600 A	Copper	1980.
800 A	Copper	2500.
1200 A	Copper	2900.

Table 9.155: Metal Directory Frame

Metal Directory Frame	$ Price Adder
Frame attached to trim (not available on four piece trim)	140.

Table 9.156: Door-in-Door Trim

Door-in-Door Trim	$ Price Adder
Trim has piano hinge down one side. Door opens by single latch; Entire trim opens by removing screws.	646.
Hinged Door-in-Door with Outer Door Lock Added	836.

Table 9.157: Weatherproof or Dusttight Cabinets—Type 3R, 5, 12

Weatherproof or Dusttight Cabinets	$ Price Adder
Maximum 26 in. wide box	2156.
Maximum 28 in. wide box	3312.
Maximum 32 in. wide box	3312.
Maximum 42 in. wide box	3312.
Maximum 44 in. wide box	3312.

Table 9.158: Copper Mechanical Lugs

Ampere Rating	Main Lug Interiors	Main Circuit Breaker Interiors
	$ Price per Pole	
100/125 A	70.	70.
250 A	108.	108.
400 A	148.	148.
600 A	168.	168.
800 A	196.	196.
1200 A	236.	236.

Table 9.159: Copper Compression Lugs

Ampere Rating	Main Lug Interiors	Main Circuit Breaker Interiors
	$ Price per Pole	
100/125 A	70.	70.
250 A	108.	108.
400 A	148.	148.
600 A	168.	168.
800 A	316.	316.
1200 A	836.	—

Table 9.160: Aluminum Compression Lugs VCEL

Ampere Rating	Main Lug Interiors	Main Circuit Breaker Interiors ♦
	$ Price Per Pole	
100 A	29.00	29.00
150 A	N/A	29.00
250 A	29.00	49.00
400 A	45.00	74.00
600 A	59.00	131.00
800 A	100.00	—
1200 A	118.00	—

Note: Additional factory modifications. See Digest page 9-38.

♦ Compression lugs are not available on LC, LI, LE, LX, and LXI circuit breakers.

Surgelogic™ SPD

Surgelogic SPD unit in I-Line plug-on construction: An integrally mounted surge protection solution that mounts on to an I-Line Panelboard bus stack just like a J-Frame circuit breaker. Requires 13.5 in. of mounting height. Available as factory assembled and merchandised. For SPD unit pricing and information, see Digest pages 6-3 and 6-44.

I-Line Plug-On Unit with Surgelogic SPD

Table 9.161: Surgelogic SPD Options

Surgelogic SPD Options	$ Price
Dry Contacts	Standard
Remote Monitor	2588.

Note: Requires HCM interior minimum.

Table 9.162: Surgelogic Branch Mounted I-Line SPD—Model IMA

Voltage	Surge Current Rating kA									
	100 kA		120 kA		160 kA		200 kA		240 kA	
	HL	FI	HL	FI	HL	FI	HL	FI	HL	FI
120/240 1P3W	18908.	20416.	20088.	21692.	23634.	25520.	29354.	30958.	34534.	36420.
208Y/120 3P4W	19750.	21260.	20984.	22588.	24688.	26574.	30740.	32342	36164.	38050.
240/120 3P4W	19750.	21260.	20984.	22588.	24688.	26574.	30740.	32342.	36164.	38050.
480Y/277 3P4W	20602.	22110.	21898.	23492.	25752.	27638.	32130.	33734.	37800.	39686.
600Y/347 3P4W	—	23000.	—	24438.	—	28750.	—	35198.	—	41400.

Table 9.163: QMB Branch Switch Units

Unit Ampere Rating	Unit Height (In.)	Catalog Number	$ Price	Class R Fuse Kits			Electrical Interlock Kit		Horsepower Ratings☆												
				No. Kits Req'd.	Catalog Number	$ Price	Catalog Number▲	$ Price	240 Vac				480 Vac				600 Vac				250 Vdc
									Std.		Max.		Std.		Max.		Std.		Max.		
									1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	
2-pole, 240 Vac																					
30 A-30 A	4.5	QMB221TW	**608.**	2	HRK30	**25.50**	QMB300EK(1 or 2)	**357.**	1.5	3	3	7.5	—	—	—	—	—	—	—	—	5
30 A-Blank	4.5	QMB221HW■	**425.**	1									—	—	—	—	—	—	—	—	5
60 A-60 A	4.5	QMB222TW	**608.**	1	QMB36R	**48.90**	QMB300EK(1 or 2)	**357.**	3	7.5	10	15	—	—	—	—	—	—	—	—	10
60 A-Blank	4.5	QMB222HW■	**425.**										—	—	—	—	—	—	—	—	10
100 A-100 A	6	QMB223TW	**990.**	1	QMB100R	**95.00**	QMB610EK(1 or 2)	**357.**	7.5	15	15	30	—	—	—	—	—	—	—	—	20
100 A-Blank	6	QMB223HW■	**695.**										—	—	—	—	—	—	—	—	20
200 A	9	QMB224W	**1200.**	1	HRK1020	**47.70**	QMB200EK(1 or 2)	**357.**	—	25	15	60	—	—	—	—	—	—	—	—	40
400 A	15	QMB225W	**3072.**	1	QMB4060R	**111.00**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	9	QMB225WT3♦	**2981.**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
600 A	Use 3-pole devices for 2-pole application.						—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
								—	—	—	—	—	—	—	—	—	—	—	—	—	—
3-pole, 240 Vac																					
30 A-30 A	4.5	QMB321TW	**827.**	2	HRK30	**25.50**	QMB300EK(1 or 2)	**357.**	—	3	—	7.5	—	—	—	—	—	—	—	—	—
30 A-Blank	4.5	QMB321HW■	**587.**	1					—	3	—	7.5	—	—	—	—	—	—	—	—	—
60 A-60 A	4.5	QMB322TW	**827.**	1	QMB36R	**48.90**		**357.**	—	7.5	—	15	—	—	—	—	—	—	—	—	—
60 A-Blank	4.5	QMB322HW■	**587.**						—	7.5	—	15	—	—	—	—	—	—	—	—	—
100 A-100 A	6	QMB323TW	**1265.**	1	QMB100R	**95.00**	QMB610EK(1 or 2)	**357.**	—	15	—	30	—	—	—	—	—	—	—	—	—
100 A-Blank	6	QMB323HW■	**879.**						—	15	—	30	—	—	—	—	—	—	—	—	—
200 A	9	QMB324W	**1673.**	1	HRK1020	**47.70**	QMB200EK(1 or 2)	**357.**	—	25	—	60	—	—	—	—	—	—	—	—	—
400 A	15	QMB325W	**4277.**	1	QMB4060R	**111.00**	—	—	—	50	—	125	—	—	—	—	—	—	—	—	—
	9	QMB325WT3♦	**4143.**	—	—	—	—	—	—	50	—	—	—	—	—	—	—	—	—	—	—
600 A	15	QMB326W	**6249.**	1	QMB4060R	**111.00**	—	—	—	75	—	150	—	—	—	—	—	—	—	—	—
	15	QMB326WT3♦	**6249.**	—	—	—	—	—	—	75	—	—	—	—	—	—	—	—	—	—	—
800 A	15	QMB327WT3♦	**12140.**	—	—	—	—	—	—	75	—	—	—	—	—	—	—	—	—	—	—
2-pole, 600 Vac, 250 Vdc★																					
30 A-30 A	4.5	QMB261TW	**1050.**	1	QMB36R	**48.90**	QMB300EK(1 or 2)	**357.**	1.5	—	3	—	3	5	7.5	15	3	—	10	—	5
30 A-Blank	4.5	QMB261HW■	**702.**							—		—						—		—	
60 A-60 A	6	QMB262TW	**1050.**	1	QMB60R	**48.90**		**357.**	3	—	10	—	5	15	20	30	10	—	25	—	10
60 A-Blank	6	QMB262HW■	**738.**							—		—						—		—	
100 A-100 A	7.5	QMB263TW	**1536.**	2	HRK1020	**47.70**		**357.**	7.5	—	15	—	10	25	30	60	15	—	40	—	20
100 A-Blank	7.5	QMB263HW■	**1083.**	1						—		—						—		—	
200 A	9	QMB264W	**1791.**	1	HRK1020	**47.70**	QMB200EK(1 or 2)	**357.**	15	—	—	—	25	50	50	125	30	—	50	—	40
400 A	Use 3-pole devices for 2-pole application.						—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
600 A▼																					
3-pole, 600 Vac★																					
30 A-30 A	4.5	QMB361TW	**1241.**	1	QMB36R	**48.90**	QMB300EK(1 or 2)	**357.**	—	3	—	7.5	—	5	—	15	—	7.5	—	20	—
	4.5	QMJ361T	**1293.**	—	—	—			—	—	—	—	—	—	—	—	—	—	—	20	5
30 A-Blank	4.5	QMB361HW■	**861.**	1	QMB36R	**48.90**	QMB300EK(1 or 2)	**357.**	—	3	—	7.5	—	5	—	15	—	7.5	—	20	—
60 A-60 A	6	QMB362TW	**1241.**	1	QMB60R	**48.90**	QMB610EK(1 or 2)	**357.**	—	7.5	—	15	—	15	—	30	—	15	—	50	—
	6	QMJ362T	**1293.**	—	—	—			—	—	—	—	—	—	—	—	—	—	—	—	10
60 A-Blank	6	QMB362HW■	**861.**	1	QMB60R	**48.90**	QMB610EK(1 or 2)	**357.**	—	7.5	—	15	—	15	—	30	—	15	—	50	—
60 A-30 A	6	QMB362T21W	**1241.**	1 ea.	QMB60R and QMB36R	**48.90**	QMB610EK(1 or 2)	**357.**	—	—	—	—	—	—	—	—	—	—	—	—	—
	6					—			—	—	—	—	—	—	—	—	—	—	—	—	—
100 A-100 A	7.5	QMB363TW	**1961.**	2	HRK1020	**47.70**	QMB610EK(1 or 2)	**357.**	—	15	—	30	—	25	—	60	—	30	—	75	—
	6	QMJ363T	**2013.**	—	—	—			—	—	—	—	—	—	—	—	—	—	—	—	20
100 A-Blank	7.5	QMB363HW■	**1373.**	1	HRK1020	**47.70**	QMB610EK(1 or 2)	**357.**	—	15	—	30	—	25	—	60	—	30	—	75	—
	6	QMJ363H■	**1424.**	—	—	—			—	—	—	—	—	—	—	—	—	—	—	—	20
100 A-30 A	7.5	QMB363T31W	**1961.**	1 ea.	HRK1020 and QMB36R	**47.70**	QMB610EK(1 or 2)	**357.**	—	—	—	—	—	—	—	—	—	—	—	—	—
	7.5					**48.90**			—	—	—	—	—	—	—	—	—	—	—	—	—
100 A-60 A	7.5	QMB363T32W	**1961.**	1 ea.	HRK1020 and QMB60R	**47.70**	QMB610EK(1 or 2)	**357.**	—	—	—	—	—	—	—	—	—	—	—	—	—
	7.5					**48.90**			—	—	—	—	—	—	—	—	—	—	—	—	—
200 A	9	QMB364W	**2306.**	1	HRK1020	**47.70**	QMB200EK(1 or 2)	**357.**	—	25	—	60	—	50	—	125	—	60	—	150	—
200 A-200 A	7.5	QMJ364T	**4712.**	—	—	—	QMB610EK(1 or 2)	**357.**	—	25	—	60	—	50	—	125	—	60	—	150	40
200 A-Blank	7.5	QMJ364H■	**2357.**	—	—	—			—	—	—	—	—	—	—	—	—	—	—	—	—
400 A△	15	QMB365W	**5445.**	1	QMB4060R	**111.00**	—	—	—	—	—	—	—	100	—	250	—	125	—	350	50
400 A	9	QMJ365	**5561.**	—	—	—	QMB200EK(1 or 2)	**357.**	—	50	—	125	—	100	—	250	—	125	—	350	50
400 A△	9	QMB365WT6◊	**5276.**	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—
600 A▼△	15	QMB366W	**6735.**	1	QMB4060R	**111.00**	—	—	—	—	—	—	—	150	—	400	—	250	—	500	—
60 A0	15	QMJ366	**6704.**	—	—	—	—	—	—	75	—	150	—	—	—	—	—		—	—	—
800 A□	15	QMB367W	**12140.**	—	—	—	—	—	—	—	—	—	—	150	—	400	—	250	—	500	—

▲ "1" indicates one normally open and one normally closed contact.
"2" indicates two normally open and two normally closed contacts.
■ Blank units cannot be modified to accept a switch interior.
♦ Use 300 Vac Class T fuses only.
★ Class J fuse provisions—to field modify switch, move load side fuse base to position indicated in switch. Not available on 100-30, 100-60, or 800 A switch units.
▼ To adapt switch for 600 Vac Class T fuses, order kit Catalog Number **QMB600T6**, $ Price **194.** (Use T6 fuses with standard horsepower ratings only).
△ 250 Vdc rating.
□ To adapt switch for 600 Vac Class T fuses, order kit Catalog Number **QMB800T6**, $ Price **467.** (Use T6 fuses with standard horsepower ratings only).
◊ Use 600 Vac Class T fuses only.
☆ Horsepower rating applicable to 480Y/277 V system only.

Note: See the Supplemental Digest for merchandised motor starter units, QMB RTI panelboards, and replacement switches for Series 1–4 and D2 QMB panelboards.

Note: For series E1 and E2, QMJ switches may be used in 400 A–1200 A interiors in a NEMA 1 without door only. QMJ switches cannot be used in series E1 and E2, 225 A panelboards. QMJ switches cannot be used in NEMA 1 with door or any NEMA 3R/12 enclosure.

Table 9.164: Base $ Price

Main Lugs			Main Switch ▲						Solid Neutral (Main Lugs and Main Switch)	
Mains Rating (Amperes)	Maximum Mounting Space (In.)	Base $ Price (2- or 3-pole)	Mains Rating (Amperes)	Maximum Mounting Space (In.)	240 Vac Base $ Price		600 Vac Base $ Price		Ampere Rating	$ Price
					2-pole	3-pole	2-pole	3-pole		
—	—	—	100	51	**2544.**	**3104.**	**3026.**	**3632.**	100 A	**294.**
—	—	—	200	51	**2544.**	**3104.**	**3026.**	**3632.**	200 A	**294.**
225	60	**1098.**	—	—	—	—	—	—	225 A	**294.**
400	60	**1344.**	400	45	**4840.**	**6158.**	**5906.**	**7300.**	400 A	**384.**
600	60	**2066.**	600	45	**7298.** ♦	**8758.** ♦	**7968.** ★▼	**9338.** ★	600 A	**556.**
800	60	**2550.**	800■	45	**11098.**	**13704.** ♦	**11128.** ★	**13724.** ★	800 A	**786.**
1200	45	**3550.**	—	—	—	—	—	—	1200 A	**912.**

▲ Pricing includes Class R or J Rejection Clips if requested at time of order. Class J fuses available only on 600 V switches.
■ 800 A switch unit with provision for UL Class L fuses.
♦ Switches for use with 300 V Class T fuses are also available at no additional cost.
★ For 600 Vac UL Class T fuse provision on main switch, add $ **321.00**
▼ 250 Vdc rating.

Table 9.165: Branch Switch $ Price △

Unit Ampere Rating	Switch Type	240 Vac				600 Vac			
		2-pole $ Price	3-pole $ Price	Space Only $ Price	Unit Mounting Height (In.)	2-pole $ Price	3-pole $ Price	Space Only $ Price	Unit Mounting Height (In.)
Twin Mounted Branch Switches □									
30 A-Blank	QMB	**592.**	**784.**	**294.**	4.5	**852.**	**1012.**	**294.**	4.5
60 A-Blank	QMB							**396.**	6
100 A-Blank	QMB	**898.**	**1104.**	**392.**	6	**1276.**	**1592.**	**462.**	7.5
	QMJ ◊ ⬙	—	—	—	—			**396.**	6
200 A-Blank	QMJ ◊ ⬙	—	—	—	—	**1984.**	**2576.**	**462.**	7.5
60 A-30 A	QMB	—	—	—	—	**1216.**	**1446.**	**396.**	6
100 A-30 A	QMB	**1822.**	**2274.**	**396.**	6	**1822.**	**2274.**	**462.**	7.5
100 A-60 A	QMB								
30 A-30 A	QMB	**826.**	**1120.**	**294.**	4.5	**1216.** ◊	**1446.**	**294.**	4.5
	QMJ ◊ ⬙	—	—	—	—	**1216.**			
60 A-60 A	QMB	**826.**	**1120.**	**294.**	4.5	**1216.** ◊	**1446.**	**396.**	6
	QMJ ◊ ⬙	—	—	—	—	**1216.**			
100 A-100 A	QMB	**1282.**	**1576.**	**396.**	6	**1822.** ▽	**2274.**	**462.**	7.5
	QMJ ◊ ⬙	—	—	—	—	**1822.**		**396.**	6
200 A-200 A		—	—	—	—	**3970.**	**5154.**	**462.**	7.5
Single Mounted Branch Switches									
200 A	QMB	**1484.**	**2034.**	**580.**	9	**1984.** ◊	**2576.**	**580.**	9
400 A	QMB	**3204.**	**4562.**	**878.**	15	**4300.** ◊	**5764.** ◊	**878.**	15
400 A ☆	QMB	**3040.** ☆	**4360.** ☆	**580.**	9	**4098.** ◊ ☆	**5552.** ◊ ☆	**580.**	9
400 A	QMJ ◊ ⬙	—	—	—	—	**4098.**	**5552.**		
600 A	QMB	**4888.** ▽	**6374.** ◊ ▽	**878.**	15	**5264.** ◊ ◒	**6962.** ◊ ◒	**878.**	15
600 A	QMJ ◊ ⬙	—	—	—	—	**5264.**	**6962.**		
800 A ✱	QMB	**10682.**	**10682.** ▽	**878.**	15	**10682.** ◒	**10682.** ◒		

△ Pricing includes Class R or J Rejection Clips if requested at time of order. Class J fuses available only on 600 V switches.
□ $ Price is per twin switch.
◊ 250 Vdc rating.
☆ For use with Class T fuses only. Use 300 V Class T fuses on 240 Vac max. systems and 600 V Class T fuses on 600 Vac max. systems.
▽ Switches for use with 300 V Class T fuses are also available at no additional cost.
◒ For 600 Vac UL Class T fuse provision on branch switch, add $ 307.00
✱ 800 A switch unit with provision for UL Class L fuses.
⬙ QMJ switches are available in NEMA 1 enclosures only.

Table 9.166: Accessories

Electrical Interlocks			Mains Ampere Rating	Sub-feed Lugs ◑ for Main Lugs Interior ◑	Feed-through Lugs for Main Switch Interior	Copper Bus Bars
Number of Contacts		Branch Switches 30–200 A $ Price				
Normally Open	Normally Closed					
1 2	1 2	**472.**	200 A	—	—	**488.**
			225 A	**282.**	—	**488.**
			400 A	**466.**	**872.** ✪	**720.**
			600 A	**856.**	**1268.** ✪	**1148.**
			800 A	**1150.**	**1512.** ✪	**1372.**
			1200 A	**1440.**	—	**1428.**

◑ No extra box height required.
✪ Box height increases 6 in. Not available in Type 3R/5/12 construction.

Table 9.167: Circuit Breakers, Twin Mounted H-frame— $ Price Per Twin Unit

Circuit Breaker Ampere Rating		Unit Mounting Height (In.)	$ Price—3-pole						
Left Unit	Right Unit		240 V		480 V		600 V		Space Only
			HD	HG	HD	HG	HD	HG	
15–150 A	15–150 A	6	**2914.**	**3572.**	**3324.**	**3814.**	**3674.**	**4018.**	**396.**

Note: See the Supplemental and Obsolescence Digest for merchandised motor starter units, QMB RTI panelboards, and replacement switches for Series 1-4 and D2 QMB panelboards.

Table 9.168: Circuit Breaker, Single Mounted JD-LA— $ Price Each

Circuit Breaker Ampere Rating	Unit Mounting Height (In.)	$ Price—3-pole			
		600 V			Space Only
		JD	JG	LA	
150–250 A	6	**3800.**	**5814.**	—	**396.**
225–400 A	7.5	—	—	**5664.**	**462.**

Table 9.169: UL Listed Short Circuit Ratings

Starter Size	Fusible Switch—600 V Max. (w/Class R or J Fuses) RMS Sym. Amps	Thermal-magnetic Circuit Breaker 600 V Max. RMS Sym. Amps
0	100,000	5,000
1	100,000	5,000
2	100,000	5,000
3	100,000	5,000

Table 9.170: Ground Bar and Name Plates

Item	$ Price
Equipment Ground Bar	180.
Copper Ground Bar	148. ▲
Insulated/Isolated Ground Bar	▲■
Name Plates	78. ♦

▲ Add to Equipment Ground Bar $ Price.
■ $ Price an additional Neutral Assembly from Table 9.164 on Digest page 9-36 for Al insulated ground bar or from Table 9.171 for Cu insulated ground bar.
♦ Standard white face/black letter laminated bakelite, 1 in. x 3.5 in. adhesive backed or screw mountable with screws in a bag assembly. ($ Price includes engraving.)

Table 9.171: Copper Neutral

	$ Price
Copper Neutral	
125–400 A	868.
600 A	894.
800 A	1108.
1200 A	1352.
Hinged Trim	N/A
Weatherproof or Dusttight Cabinets—Type 3R, 5, 12; 800 A Max.	3054.
Mechanical Lugs 225 A–1200 A	Standard

Table 9.172: Copper Mechanical Lugs—Main Switch Interiors

Copper Mechanical Lugs	$ Price
200 A	108.
400 A	148.
600 A	168.
800 A	196.

Table 9.173: Copper Compression Lugs—Main Lug Interiors

Copper Compression Lugs	$ Price
225 A	108.
400 A	148.
600 A	168.
800 A	316.
1200 A	836.

Table 9.174: Aluminum Compression Lugs VCEL—Main Lug Interiors

Aluminum Compression Lugs VCEL	$ Price
225 A	58.
400 A	90.
600 A	118.
800 A	200.
1200 A	236.

Table 9.175: Aluminum Compression Lugs VCEL—Main or Branch Switches

Aluminum Compression Lugs VCEL	$ Price
100 A #8–1/0 Al or Cu	58.
200 A #4–300 kcmil Al or Cu	98.
400 A 2/0–500 kcmil Al or Cu	128.
600 A 2/0–500 kcmil Al or Cu	246.
800 A 2/0–500 kcmil Al or Cu or 500 kcmil Cu or 500–750kcmil Al.	262.

Table 9.176: Copper Compression Lugs—Main Switch Interiors

Copper Compression Lugs	$ Price
200 A	108.
400 A	148.
600 A	168.
800 A	196.

Table 9.177: Surgelogic™ SPD for QMB ★

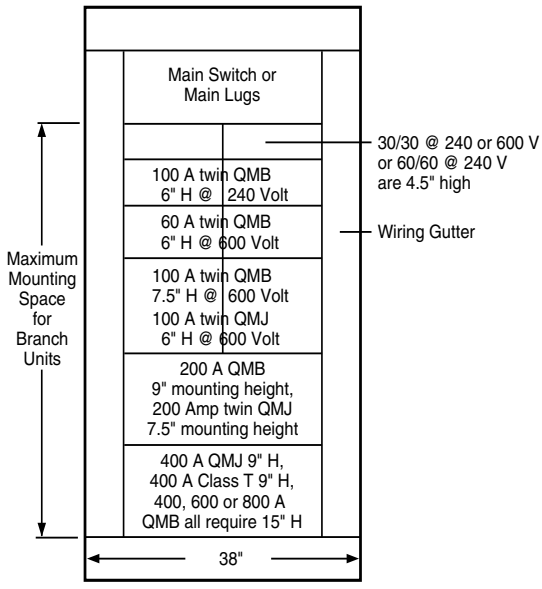
Surge Current Rating kA	Voltage				
	120/240 V	208Y/120 V	240/120 Vac	480Y/277 Vac	600Y/347 Vac
	1Ø3W	3Ø4W	3Ø4W High Leg	3Ø4W	3Ø4W
100	—	14310.	—	15410.	—
120	—	15654.	—	16754.	—
160	—	18586.	—	19686.	—
200	19196.	23596.	23596.	26896.	26896.
240	23760.	27440.	27440.	31460.	31460.

★ Requires 9 in. of mounting height.

Table 9.178: SPD Options

Surgelogic SPD Options	$ Price
Surge Counter	Standard
Dry Contacts	Standard
Remote Monitor	2588.

QMB Layout Information



To maximize the quantity of branch switches, use QMJ switches from Digest page 9-36. Class J fuses are available in time delay construction suitable for motor and transformer loads.

Table 9.179: NQ and NF Lighting Contactors—Mechanically Held
(Furnish a one-line power and control voltage connection diagram.)

Ampacity	Mechanically Held		
	Type	$ Price	Minimum Additional Box Height Required ▲ H (In.)
Square D™ Brand PB ■			
30 A 2P	PBM10B	**3772.**	18
60 A 2P	PBP10B	**4634.**	18
75 A 2P	PBN10B	**4986.**	18
100 A 2P	PBQ10B	**5072.**	18
150 A 2P	PBR10B	**7156.**	18
200 A 2P	PBV10B	**8692.**	18
225 A 2P	PBW10B	**9830.**	18
30 A 3P	PBM11B	**3740.**	18
60 A 3P	PBP11B	**4754.**	18
75 A 3P	PBN11B	**5628.**	18
100 A 3P	PBQ11B	**6454.**	18
150 A 3P	PBR11B	**8078.**	18
200 A 3P	PBV11B	**8736.**	18
225 A 3P	PBW11B	**10062.**	18
ASCO Type 920 ♦			
30 A 2P	9202030	**4694.**	18
60 A 2P	9202060	**5954.**	18
75 A 2P	9202075	**5954.**	18
100 A 2P	9202100	**6194.**	18
150 A 2P	9202150	**9242.**	18
200 A 2P	9202200	**10882.**	18
225 A 2P	9202225	**11875.**	18
30 A 3P	9203030	**5436.**	18
60 A 3P	9203060	**7638.**	18
75 A 3P	9203075	**7638.**	18
100 A 3P	9203100	**9184.**	18
150 A 3P	9203150	**12998.**	18
200 A 3P	9203200	**14434.**	18
225 A 3P	9203225	**15750.**	18

▲ NF panels require 18 in. of additional box height regardless of contactor ampacity or manufacturer.
■ If two-wire control is required—Square D™ brand. Add **708.** (No additional width or depth required)
♦ If two-wire control is required—ASCO type. Add **1412.** (No additional width or depth required)

Table 9.180: Current Density Rated Panelboard Bus and Special Plating for Copper Bus

Ampacity	Copper Bus Special Plating $ List Price Adder ★	Current Density Rated Bus $ List Price Adder	
	Tin or Silver Plating	1000 A/in² Cu	750 A/in² Al
100 A	**1240.**	**510.** ▼	**340.** △
125 A			
225 A	**1240.**	**610.** ▼	
250 A			**456.** △
400 A	**2080.**	**830.**	**572.** △
600 A	**2080.**	**1050.** △	**1080.** △□
800 A	**2080.**	**1490.**	**1244.** □
1200 A	**2080.**	**1710.**	**1432.** □◊

★ Standard copper bus plating material
– NQ and NF: Silver plated bus/tin plated connectors
– I-Line and QMB: Tin.
▼ NQ available in 42 circuit only.
△ Not available in NQ.
□ HCN 600 A and all 800–1200 A I-Line interiors available with copper bus only.
◊ 1200 A QMB with current density-rated bussing not available.

Table 9.181: NQ and NF Panelboard Split Bus Bars

Maximum Ampacity MLO	$ List Price Adder		Maximum Number of Pole Spaces Available		Box Height (ft.)
	1-phase	3-phase	Main	Split	
NQ Panelboards—125 A Maximum Lugs on Split Bus Section ☆					
225 A	**600.**	**900.**	18	30	44
			30	18	
				30	
NF Panelboards—125 A Maximum Lugs on Split Bus Section ☆					
250 A	—	**900.**	18	30	56
			30	18	
				30	62

☆ When greater than 125 A lugs are required on the split section of the bus, contact your local Schneider Electric representative or distributor for the box height.

Table 9.182: I-Line™ Panelboard Split Bus Bars

Ampacity MLO	$ Price		Additional Mounting Height Required On Split Bus Section ▽
	2-pole	3-pole	Split Bus
225 A	**560.**	**662.**	7.5 in.
400 A	**662.**	**858.**	9 in.
600 A	**786.**	**858.**	12 in.
800 A	**1094.**	**1238.**	12 in.
1200 A	**1320.**	**1442.**	18 in.

Note: For applications with main circuit breaker panelboards, contact your local Schneider Electric representative or distributor.
▽ For I-Line panelboards, dimension includes height of "SL" sub-feed lug kit from Digest, plus 3 in. from available branch mounting space.

Main Circuit Breaker Without Overload Trip

(Automatic Molded Case Switch)

- (Not UL Listed)
  $ Price as standard main circuit breaker, no $ Price Adder.

Shunt Trip Circuit Breakers

- See Digest page 7-35 for pricing.

Note: For molded case switch and automatic molded case switch short circuit current ratings, See Digest page 7-33.

Special Features

For information on the following special features, please see the Supplemental and Obsolescence Digest.

- Powerlogic™ metering ◒
- Customer equipment space (NQ and NF) ◒
- Increased box depth ◒
- Increased gutters–top, bottom, and sides ◒
- Non-standard paint ◒
- Welded base channel ◒
- Type 1 gasketed ◒
- Type 2 drip hood ◒
- Type 3R/4/4X/5/12 stainless steel enclosure ◒
- Type 4X fiberglass enclosure ◒
- Stainless steel trim front ◒
- Padlockable hasp ◒
- Special locks (Corbin, Yale, Best) ◒
- Equal height boxes ◒
- Common trim to cover two equal height boxes ◒
- Panelboard skirt—hides conduits feeding a panelboard ◒
- Panelboard wireway—for terminating conduit in wireway endwall ◒
- Keyed mechanical interlocking of two or more circuit breakers (I-Line and QMB) ◒
- Motor operators (I-Line only)
- Panelboard interiors and special fronts to fit existing boxes
- A standard panelboard box has one blank endwall and one with knockouts. Blank endwalls or knockouts in both endwalls are also available ◒

◒ Supported by the Panelboard Product Selector.

Table 9.183: NQ Standard Aluminum Mechanical Lugs—Main Lugs

Panel Type	Ampere Rating	Lug Wire Range
NQ	100 A	one #6-2/0 Al or Cu
	225 A	one #6-350 kcmil Al or Cu
	400 A	one 1/0-750 kcmil or two 1/0-350 kcmil Al or Cu
	600 A	two 1/0-750 kcmil Al or Cu

Table 9.184: NQ Standard Aluminum Mechanical Lugs—Main Circuit Breaker

Panel Type	Ampere Rating	Circuit Breaker Type	Lug Wire Range ▲
NQ	100 A	QOB	one #4–#2/0 Al or Cu
		FI	one #14–#1/0 Al or Cu
	150 A	HD, HG, HJ, HL	one #14–#3/0 Al or Cu
	225 A	QB, QD, QG, QJ	one #4-300 kcmil Al or Cu
	250 A	JD, JG, JJ, JL	one #3/0–350 kcmil Al or Cu ▲
		DJ	one #2–600 Cu or #2–500 Al
		KI	one #1/0–350 kcmil Al or Cu
	400 A	LA, LH	one #1–600 kcmil Al or Cu or two #1–250 kcmil Al or Cu
	600 A	LC	two #4/0-500 kcmil Al or Cu

▲ The lug range shown is for the highest amperage of the circuit breaker frame shown in the table.

Table 9.185: NF Standard Mechanical Lugs—Main Lugs

Panel Type	Ampere Rating	Lug Wire Range
NF	125 A	one #6–2/0 Al or Cu
	250 A	one #6–350 kcmil Al or Cu
	400 A	one #1/0–750 kcmil or two #1/0–350 kcmil Al or Cu
	600 A	two #1/0–600 kcmil Al or Cu
	800 A	three #4/0–500 kcmil Al or Cu

Table 9.186: NF Standard Mechanical Lugs—Main Circuit Breaker

Panel Type	Ampere Rating	Circuit Breaker Type	Lug Wire Range ■
NF	125 A	ED, EG, EJ	one #14–#2/0 Al or Cu
	100 A	FI	one #14–#1/0 Cu or one #12–#1/0 Al
	150 A	HD, HG, HJ, HL	one #14–#3/0 Al or Cu
	250 A	JD, JG, JJ, JL	one #3/0–350 kcmil Al or Cu ■
		DJ	one #2–600 Cu or #2–500 Al
		KI	one #1/0–350 kcmil Al or Cu
	400 A	LA, LH	one #1–600 kcmil or two #1–250 kcmil Al or Cu
	600 A	LC, LI, LE, LX, LXI	two #4/0–500 kcmil Al or Cu

■ The lug range shown is for the highest amperage of the circuit breaker frame shown in the table.

Table 9.187: Standard Mechanical Lugs—Main Lugs

Panel Type	Ampere Rating	Lug Wire Range ▲	Wire Range Wire Bending Space per NEC Table 373-6 ▲
I-Line	100 A	—	—
	225 A	one #6–300 kcmil Al or Cu	one #6–300 kcmil Al or Cu
	400 A	two #2–600 kcmil Al or Cu	one #2–600 kcmil Al or Cu
	600 A	two #2–600 kcmil Al or Cu	two #2–500 kcmil Al or Cu
	800 A	(4) 3/0–750 kcmil Al or Cu	(3) 3/0–500 kcmil Al or Cu
	1200 A	(4) 3/0–750 kcmil Al or Cu	(4) 3/0–500 kcmil Al or Cu

Table 9.188: Standard Mechanical Lugs—Main Circuit Breaker

Panel Type	Ampere Rating	Circuit Breaker Type	Lug Wire Range ▲	Wire Range Wire Bending Space per NEC Table 373-6 ▲
I-Line	100 A	FA, FH, FI	one #14-1/0 Al or Cu	one #14-1/0 Al or Cu
	150 A	HD, HG, HJ, HL	one #14-3/0 Al or Cu	one #14-3/0 Al or Cu
	225 A	KI	one #4-300 kcmil Al or Cu	one #4-300 kcmil Al or Cu
	250 A	JD, JG, JJ, JL	one #1/0-#4/0 Al or Cu	one #1/0-300 kcmil Al or Cu
		LX, LXI, LE	two #1-350 kcmil Al or Cu	two #1-350 kcmil Al or Cu
	400 A	LA, LH	one #1-600 or two #1-250 kcmil Al or Cu	one #1-600 kcmil Al or Cu
	600 A	LC, LI, LX, LXI, LE	two 4/0-500kcmil Al or Cu	two 4/0-500kcmil Al or Cu
	800 A	MG, MJ, PG, PJ, PL	three 3/0-500 kcmil Al or Cu	three 3/0-500 kcmil Al or Cu
	1200 A	PG, PJ, PL, RGC, RJC, RLC	four 3/0-500 kcmil Al or Cu	four 3/0-500 kcmil Al or Cu

Table 9.189: Standard Mechanical Lugs—Main Lugs

Panel Type	Mains Ampere Rating	Lug Wire Range ▲	Wire Range Wire Bending Space per NEC Table 373-6 ▲
QMB	225 A	one #6–300 kcmil Al or Cu	one #6–300 kcmil Al or Cu
	400 A	one #6–300 kcmil Al or Cu and, one 3/0–750 kcmil Al or Cu	one #6–300 kcmil Al or Cu and, one 3/0–750 kcmil Al or Cu
	600 A	two 3/0–500 kcmil Al or Cu	two 3/0–500 kcmil Al or Cu
	800 A	(4) 3/0–750 kcmil Al or Cu	(3) 3/0–500 kcmil Al or Cu or two 3/0–750 kcmil Al or Cu
	1200 A	(4) 3/0–750 kcmil Al or Cu	(4) 3/0–500 kcmil Al or Cu or (4) 3/0–750 kcmil Al or Cu
	1600 A	VCEL compression lugs Standard.	

Table 9.190: Standard Mechanical Lugs—Main Switch

Panel Type	Mains Ampere Rating	Lug Wire Range ▲	Wire Range Wire Bending Space per NEC Table 373-6 ▲
QMB	200 A	#4–300 kcmil Al or Cu	one #4–300 kcmil Al or Cu
	400 A	3/0–600 kcmil Al or Cu	two 3/0–600 kcmil Al or Cu
	600 A	3/0–600 kcmil Al or Cu	two 3/0–600 kcmil Al or Cu
	800 A	3/0–600 kcmil Al or Cu	(3) 3/0–500 kcmil Al or Cu

Table 9.191: Standard Mechanical Lugs—QMB Branch Switch Units

Panel Type	Switch Ampere Rating	Lug Wire Range ▲	Wire Range Wire Bending Space per NEC Table 373-6 ▲
QMB	30 A	one #14–#2 Al or Cu	one #14–#2 Al or Cu
	60 A	one #14–#2 Al or Cu	one #14–#2 Al or Cu
	100 A	one #14–1/0 Al or Cu	one #14–1/0 Al or Cu
	200 A	one #4–300 kcmil Al or Cu	one #4–300 kcmil Al or Cu
	400 A	two 3/0–600 kcmil Al or Cu	two 3/0–500 kcmil Al or Cu
	600 A	two 3/0–600 kcmil Al or Cu	two 3/0–500 kcmil Al or Cu
	800 A	(3) 3/0–600 kcmil Al or Cu	(3) 3/0–500 kcmil Al or Cu

Table 9.192: Standard Mechanical Lugs—QMJ Branch Switch Units ■

Panel Type	Switch Ampere Rating	Lug Wire Range ▲	Wire Range Wire Bending Space per NEC Table 373-6 ▲
QMJ	30 A	one #14–#2 Al or Cu	one #14–#2 Al or Cu
	60 A	one #14–#2 Al or Cu	one #14–#2 Al or Cu
	100 A	one #14–1/0 Al or Cu	one #14–1/0 Al or Cu
	200 A	one #6–300 kcmil Al or Cu	one #6–300 kcmil Al or Cu
	400 A	one 1/0–750 kcmil Al or Cu	one 1/0–750 kcmil Al or Cu
	400 A	two 1/0–300 kcmil Al or Cu	two 1/0–300 kcmil Al or Cu
	600 A	two 3/0–600 kcmil Al or Cu	two 3/0–600 kcmil Al or Cu

▲ (#) = Number of conductors per phase.
■ Use only 90 °C insulated conductors based on an ampacity of 75 °C conductors.

Table 9.193: Interior Boxes and Fronts — Includes Solid Neutral

I-Line Mounting Space	Part Number	Panelboard Ampacity	List $ Price	Single/ Duplex	Lighting Section Type	Lighting Section Amperage	Lighting Section Circuits	Busing	Ground Bar	Box	4 Piece Trim Without Door	Trim with Door	NEMA 3R/5/12 (Includes Fromnt)
18	CP18864N3Q2C	400	**10334.00**	S	NQ	225	30	Cu	PK32DGTACU	HC2686DB	HC2686T( )4P	HC2686T( )HR	HC2686WP
18	CP18864N3Q2	400	**7650.00**	S	NQ	225	30	Al	PK32DGTA	HC2686DB	HC2686T( )4P	HC2686T( )HR	HC2686WP
18	CP18864N4Q2C	400	**10729.00**	S	NQ	225	42	Cu	PK32DGTACU	HC2686DB	HC2686T( )4P	HC2686T( )HR	HC2686WP
18	CP18864N4Q2	400	**8045.00**	S	NQ	225	42	Al	PK32DGTA	HC2686DB	HC2686T( )4P	HC2686T( )HR	HC2686WP
18	CP18864N3F2C	400	**17549.00**	S	NF	250	30	Cu	PK32DGTACU	HC2686DB	HC2686T( )4P	HC2686T( )HR	HC2686WP
18	CP18864N3F2	400	**14749.00**	S	NF	250	30	Al	PK32DGTA	HC2686DB	HC2686T( )4P	HC2686T( )HR	HC2686WP
18	CP18864N4F2C	400	**18147.00**	S	NF	250	42	Cu	PK32DGTACU	HC2686DB	HC2686T( )4P	HC2686T( )HR	HC2686WP
18	CP18864N4F2	400	**15388.00**	S	NF	250	42	Al	PK32DGTA	HC2686DB	HC2686T( )4P	HC2686T( )HR	HC2686WP
18	CP18866N3Q4C	600	**15032.00**	S	NQ	400	30	Cu	PK32DGTACU	HC2686DB	HC2686T( )4P	HC2686T( )HR	HC2686WP
18	CP18866N4Q4C	600	**15428.00**	S	NQ	400	42	Cu	PK32DGTACU	HC2686DB	HC2686T( )4P	HC2686T( )HR	HC2686WP
18	CP18866N3F4C	600	**21270.00**	S	NF	400	30	Cu	PK32DGTACU	HC2686DB	HC2686T( )4P	HC2686T( )HR	HC2686WP
18	CP18866N4F4C	600	**21863.00**	S	NF	400	42	Cu	PK32DGTACU	HC2686DB	HC2686T( )4P	HC2686T( )HR	HC2686WP
22.5	CP23734N3Q2C	400	**10686.00**	S	NQ	225	30	Cu	PK32DGTACU	HC3273DB9	HCM73T( )V	HCM73T( )VD	N/A
22.5	CP23734N3Q2	400	**7942.00**	S	NQ	225	30	AL	PK32DGTA	HC3273DB9	HCM73T( )V	HCM73T( )VD	N/A
22.5	CP23734N3F2C	400	**18065.00**	S	NF	250	30	Cu	PK32DGTACU	HC3273DB9	HCM73T( )V	HCM73T( )VD	N/A
22.5	CP23734N3F2	400	**15249.00**	S	NF	250	30	AL	PK32DGTA	HC3273DB9	HCM73T( )V	HCM73T( )VD	N/A
22.5	CP23736N3Q4C	600	**16159.00**	S	NQ	400	42	Cu	PK32DGTACU	HC3273DB9	HCM73T( )V	HCM73T( )VD	N/A
22.5	CP23736N3F4C	600	**22539.00**	S	NF	400	42	Cu	PK32DGTA	HC3273DB9	HCM73T( )V	HCM73T( )VD	N/A
22.5	CP23914N4Q2C	400	**11091.00**	S	NQ	225	42	Cu	PK32DGTACU	HC3291DB9	HCM91T( )V	HCM91T( )VD	N/A
22.5	CP23914N4Q2	400	**8346.00**	S	NQ	225	42	Al	PK32DGTA	HC3291DB9	HCM91T( )V	HCM91T( )VD	N/A
22.5	CP23914N5Q2C	400	**11604.00**	S	NQ	225	54	Cu	PK32DGTACU	HC3291DB9	HCM91T( )V	HCM91T( )VD	N/A
22.5	CP23914N5Q2	400	**8797.00**	S	NQ	225	54	Al	PK32DGTA	HC3291DB9	HCM91T( )V	HCM91T( )VD	N/A
22.5	CP23914N4F2C	400	**18672.00**	S	NF	250	42	Cu	PK32DGTACU	HC3291DB9	HCM91T( )V	HCM91T( )VD	N/A
22.5	CP23914N4F2	400	**15855.00**	S	NF	250	42	Al	PK32DGTA	HC3291DB9	HCM91T( )V	HCM91T( )VD	N/A
22.5	CP23914N5F2C	400	**19341.00**	S	NF	250	54	Cu	PK32DGTACU	HC3291DB9	HCM91T( )V	HCM91T( )VD	N/A
22.5	CP23914N5F2	400	**16508.00**	S	NF	250	54	Al	PK32DGTA	HC3291DB9	HCM91T( )V	HCM91T( )VD	N/A
22.5	CP23916N4Q4C	600	**16563.00**	S	NQ	400	42	Cu	PK32DGTACU	HC3291DB9	HCM91T( )V	HCM91T( )VD	N/A
22.5	CP23916N5Q4C	600	**17076.00**	S	NQ	400	54	Cu	PK32DGTACU	HC3291DB9	HCM91T( )V	HCM91T( )VD	N/A
22.5	CP23916N4F4C	600	**23145.00**	S	NF	400	42	Cu	PK32DGTACU	HC3291DB9	HCM91T( )V	HCM91T( )VD	N/A
22.5	CP23916N5F4C	600	**23814.00**	S	NF	400	54	Cu	PK32DGTACU	HC3291DB9	HCM91T( )V	HCM91T( )VD	N/A
22.5	CP23916N44Q4C	600	**26032.00**	D	NQ	400	42/42	Cu	PK32DGTACU	HC3291DB9	HCM91T( )V	HCM91T( )VD	N/A
22.5	CP23916N53Q4C	600	**26141.00**	D	NQ	400	54/30	Cu	PK32DGTACU	HC3291DB9	HCM91T( )V	HCM91T( )VD	N/A
31.5	CP32866N44Q4C	600	**26066.00**	D	NQ	400	42/42	Cu	PK32DGTACU	HC4486DB	HCR86T( )	HCR86T( )D	HC4486WP
31.5	CP32866N53Q4C	600	**26170.00**	D	NQ	400	54/30	Cu	PK32DGTACU	HC4486DB	HCR86T( )	HCR86T( )D	HC4486WP
31.5	CP32866N4BQ4C	600	**18362.00**	D	NQ	400	42/O	Cu	PK32DGTACU	HC4486DB	HCR86T( )	HCR86T( )D	HC4486WP
31.5	CP32866N44F4C	600	**38703.00**	D	NF	400	42/42	Cu	PK32DGTACU	HC4486DB	HCR86T( )	HCR86T( )D	HC4486WP
31.5	CP32866N53F4C	600	**38763.00**	D	NF	400	54/30	Cu	PK32DGTACU	HC4486DB	HCR86T( )	HCR86T( )D	HC4486WP
31.5	CP32866N4BF4C	600	**24681.00**	D	NF	400	42/O	Cu	PK32DGTACU	HC4486DB	HCR86T( )	HCR86T( )D	HC4486WP
31.5	CP32868N44Q6C	800	**36447.00**	D	NQ	600	42/42	Cu	PK32DGTACU	HC4486DB	HCR86T( )	HCR86T( )D	HC4486WP
31.5	CP32868N53Q6C	800	**36552.00**	D	NQ	600	54/30	Cu	PK32DGTACU	HC4486DB	HCR86T( )	HCR86T( )D	HC4486WP
31.5	CP32868N3BQ6C	800	**23026.00**	D	NQ	600	30/O	Cu	PK32DGTACU	HC4486DB	HCR86T( )	HCR86T( )D	HC4486WP
31.5	CP32868N4BQ6C	800	**23415.00**	D	NQ	600	42/O	Cu	PK32DGTACU	HC4486DB	HCR86T( )	HCR86T( )D	HC4486WP
31.5	CP32868N5BQ6C	800	**23300.00**	D	NQ	600	54/O	Cu	PK32DGTACU	HC4486DB	HCR86T( )	HCR86T( )D	HC4486WP
31.5	CP32868N44F6C	800	**38744.00**	D	NF	600	42/42	Cu	PK32DGTACU	HC4486DB	HCR86T( )	HCR86T( )D	HC4486WP
31.5	CP32868N53F6C	800	**38805.00**	D	NF	600	54/30	Cu	PK32DGTACU	HC4486DB	HCR86T( )	HCR86T( )D	HC4486WP
31.5	CP32868N3BF6C	800	**23981.00**	D	NF	600	30/O	Cu	PK32DGTACU	HC4486DB	HCR86T( )	HCR86T( )D	HC4486WP
31.5	CP32868N4BF6C	800	**24563.00**	D	NF	600	42/O	Cu	PK32DGTACU	HC4486DB	HCR86T( )	HCR86T( )D	HC4486WP
31.5	CP32868N5BF6C	800	**24599.00**	D	NF	600	54/O	Cu	PK32DGTACU	HC4486DB	HCR86T( )	HCR86T( )D	HC4486WP

Table 9.194: RTI Cabled Lighting Section Kit for I-Line Combo Panelboard

Part Number	Description	MLO Panelboard Ampacity	List $ Price	Lighting Section Type	Lighting Section Circuits
NFICRT418L1C	NF Lighting Section Kit	125	**1528.00**	NF	18
NFICRT442L2C	NF Lighting Section Kit	250	**1763.00**	NF	42
NFICRT442L4C	NF Lighting Section Kit	400	**2353.00**	NF	42
NFICRT442L6C	NF Lighting Section Kit	600	**2008.00**	NF	42
NQICRT418L1C	NQ Lighting Section Kit	100	**1564.00**	NQ	18
NQICRT442L2C	NQ Lighting Section Kit	225	**1373.00**	NQ	42
NQICRT442L4C	NQ Lighting Section Kit	400	**2156.00**	NQ	42
NQICRT442L6C	NQ Lighting Section Kit	600	**2332.00**	NQ	42
NQICRT418C1C	Contactor with 18 Circuit NQ Lighting Section Kit	100	**1225.00**	NQ	18
NFICRT418C1C	Contactor with 18 Circuit NF Lighting Section Kit	125	**1440.00**	NF	18

This page contains UL Tested and Certified series combination ratings for panelboards. These ratings apply to either an integral main located in the same enclosure or a remote main located in a separate enclosure.

Table 9.195: NQ Series Connected Circuit Breaker Ratings (RMS Symmetrical)

Maximum System Voltage AC ▲■	Maximum Short Circuit Current Rating	Square D™ Brand Integral or Remote Main Circuit Breakers and Remote Main Fuses	Square D™ Brand Branch Circuit Breaker Catalog Designation and Allowable Ampere Ranges ♦★▼△			
			Type	1 Pole	2 Pole	3 Pole
120/240 1P/3W	22,000	MG	QO (B)	15–30 A	—	—
	25,000	LD, HD, JD	QO (B) QO (B) VH QO (B) PL QO (B) GFI QO (B) EPD QO (B) AFI QO (B) CAFI	15–70 A 15–70 A 15–30 A 15–30 A 15–30 A 15–20 A 15–20 A	15–125 A 15–125 A 15–60 A 15–60 A 15–60 A — —	— — — — — — —
	65,000	HG, JG	QO (B) QO (B) VH QO (B) PL QO (B) GFI QO (B) EPD QO (B) AFI QO (B) CAFI	15–70 A 15–70 A 15–30 A 15–30 A 15–30 A 15–20 A 15–20 A	15–125 A 15–125 A 15–60 A 15–60 A 15–60 A — —	— — — — — — —
		LG	QO (B) QO (B) VH QO (B) GFI QO (B) EPD QO (B) AFI QO (B) CAFI	15–70 A 15–70 A 15–30 A 15–30 A 15–20 A 15–20 A	15–125 A 15–125 A 15–60 A 15–60 A — —	— — — — — —
		LJ	QO (B) GFI QO (B) EPD	15–30 A 15–30 A	40–60 A 40–60 A	— —
	100,000	HJ, JJ	QO (B) QO (B) VH QO (B) PL QO (B) GFI QO (B) EPD QO (B) AFI QO (B) CAFI	15–70 A 15–70 A 15–30 A 15–30 A 15–30 A 15–20 A 15–20 A	15–125 A 15–125 A 15–60 A 15–60 A 15–60 A — —	— — — — — — —
		LJ	QO (B) QO(B) VH QO (B) H QO (B) GFI QO (B) EPD QO(B) AFI QO(B) CAFI	15–70 A 15–70 A — — — 15–20 A 15–20 A	15–125 A 15–125 A 15–100 A 15–30 A 15–60 A — —	— — — — — — —
		DJ 400 A	QO (B) QO (B) VH QO (B) GFI QO (B) EPD QO (B) AFI QO (B) CAFI	15–70 A — 15–30 A 15–30 A 15–20 A 15–20 A	15–125 A 150 A 15–60 A 15–60 A — —	— — — — — —
		QJ	QO (B) QO (B) AS QO (B) VH QO (B) PL QO (B) GFI QO (B) AFI QO (B) CAFI	15–70 A 15–30 A — 15–30 A 15–30 A 15–20 A 15–20 A	15–125 A 15–30 A 150 A 15–60 A 15–60 A — —	— — — — — — —
	125,000	HL, JL	QO (B) QO (B) VH QO (B) PL QO (B) GFI QO (B) EPD QO (B) AFI QO (B) CAFI	15–70 A 15–70 A 15–30 A 15–30 A 15–30 A 15–20 A 15–20 A	15–125 A 15–125 A 15–60 A 15–60 A 15–60 A — —	— — — — — — —
208Y/120 3P/4W 240/120 V 3P/4W	18,000	LA/LH (L) 34200MC LA/LH (L) 34225MC LA/LH (L) 34250MC LA/LH (L) 34400MC	QO (B)	15–30 A	15–30 A	15–30 A
	25,000	LD	QO (B) QO (B) VH QO (B) GFI QO (B) EPD QO (B) EPE QO (B) AFI QO (B) CAFI	15–70 A 15–30 A 15–30 A 15–30 A — 15–20 A 15–20 A	15–125 A 15–125 A 15–60 A 15–60 A — — —	— 15–150 A 15–30 A 15–30 A 15–30 A — —
	30,000	DJ–W 150 A MC	QO (B) QO (B) VH QO (B) GFI QO (B) AFI	15–70 A — 15–30 A 15–20 A	15–100 A 15–125 A 15–60 A —	— 15–150 A — —
		DJ–W 250 A MC	QO (B) QO (B) VH QO (B) GFI QO (B) AFI	15–70 A — 15–30 A 15–20 A	15–100 A — 15–60 A —	— 15–150 A — —
		DJ–W 600 A MC	QO (B) QO (B) VH QO (B) GFI QO (B) AFI	15–70 A — 15–30 A 15–20 A	15–100 A — 15–60 A —	— 15–150 A — —

Table 9.195: NQ Series Connected Circuit Breaker Ratings (RMS Symmetrical)

Maximum System Voltage AC ▲■	Maximum Short Circuit Current Rating	Square D™ Brand Integral or Remote Main Circuit Breakers and Remote Main Fuses	Square D™ Brand Branch Circuit Breaker Catalog Designation and Allowable Ampere Ranges ♦★▼△			
			Type	1 Pole	2 Pole	3 Pole
208Y/120 3P/4W 240/120 V 3P/4W	65,000	LG	QO (B) QO (B) VH QO (B) H QO (B) GFI QO (B) EPD QO (B) EPE QO (B) AFI QO (B) CAFI	15–70 A 15–70 A — 15–30 A 15–30 A — 15–20 A 15–20 A	15–125 A 15–125 A 15–100 A 15–60 A 15–60 A — — —	— 15–150 A — 15–30 A 15–30 A 15–30 A — —
		LJ	QO (B) QO (B) VH QO (B) H QO (B) GFI QO (B) EPD QO (B) EPE QO (B) AFI QO (B) CAFI	15–70 A 15–70 A — 15–30 A 15–30 A — 15–20 A 15–20 A	15–125 A 15–125 A 15–100 A 15–60 A 15–60 A — — —	— 15–150 A — 15–30 A 15–30 A 15–30 A — —
		LL	QO (B) GFI QO (B) EPD QO (B) EPE	— — —	— — —	15–30 A 15–30 A 15–30 A
	100,000	DJ 400 A	QO (B) QO (B) VH QO (B) GFI QO (B) EPD QO (B) AFI QO (B) CAFI	15–70 A — 15–30 A 15–30 A 15–20 A 15–20 A	15–125 A — 15–60 A 15–60 A — —	— 15–150 A — — — —
		QJ	QO (B) QO (B) VH QO (B) PL QO (B) GFI QO (B) EPD QO (B) EPE QO (B) AFI QO (B) CAFI	15–70 A — 15–30 A 15–30 A 15–30 A 15–30 A 15–20 A 15–20 A	15–125 A — 15–60 A 15–60 A 15–60 A 15–60 A — —	15–30 A 15–150 A 15–30 A 15–50 A 15–50 A 15–50 A — —
		LJ	QO (B) QO (B) VH QO (B) H QO (B) GFI QO (B) EPD QO (B) AFI QO (B) CAFI	15–70 A 15–70 A — — — 15–20 A 15–20 A	15–125 A 15–125 A 15–100 A 15–30 A 15–60 A — —	— 15–150 A — — — — —
240/120 V 3P/4W	22,000	QO (B) VH	QO (B) QO (B) GFI QO (B) EPD QO (B) EPE QO (B) PL QO (B) AFI QO (B) CAFI	15–70 A 15–30 A 15–30 A — 15–30 A 15–20 A 15–20 A	15–125 A 15–60 A 15–60 A — 15–60 A — —	15–100 A 15–50 A 15–50 A 15–50 A — — —
240/120 V 3P/4W	25,000	QD	QO (B) QO (B) VH QO (B) PL QO (B) GFI QO (B) EPD QO (B) EPE QO (B) AFI QO (B) CAFI	15–70 A — 15–30 A 15–30 A 15–30 A — 15–20 A 15–20 A	15–125 A — 15–60 A 15–60 A 15–60 A — — —	15–30 A 35–150 A 15–30 A 15–50 A 15–50 A 15–50 A — —
		ED, FD	QO (B) QO (B) GFI QO (B) AFI QO (B) CAFI	15–70 A 15–30 A 15–20 A 15–20 A	15–125 A 15–60 A — —	15–100 A 15–50 A — —
		KD	QO (B) QO (B) AS QO (B) GFI QO (B) AFI	15–70 A 15–30 A 15–30 A 15–20 A	15–125 A 15–30 A 15–60 A —	15–100 A 15–30 A — —
		HD, JD	QO (B) QO (B) VH QO (B) H QO (B) GFI QO (B) EPD QO (B) EPE QO (B) AFI QO (B) CAFI	15–70 A — — 15–30 A 15–30 A — 15–20 A 15–20 A	15–125 A — 15–100 A 15–60 A 15–60 A — — —	15–100 A 35–150 A — 15–50 A 15–50 A 15–50 A — —
		LD	QO (B) QO (B) VH QO (B) H QO (B) GFI QO (B) EPD QO (B) EPE QO (B) AFI QO (B) CAFI	15–70 A 15–30 A — 15–30 A 15–30 A — 15–20 A 15–20 A	15–125 A 15–125 A 15–100 A 15–60 A 15–60 A — — —	— 15–150 A — 15–30 A 15–30 A 15–30 A — —

▲ For shown circuit breakers rated less than this maximum voltage, the indicated short circuit current rating also applies, but at the voltage rating of the circuit breaker

■ Short circuit tests are conducted at 100–105% of the maximum rated voltage of the panelboard.

♦ Suffixes HID, and SWD may also be applied to the applicable branch circuit breakers shown above. Suffix SWN may not be applied in combination with LC main breakers.

★ Where QO (B) circuit breakers are shown above, QO (B) H, QO (B) VH, and QOH (B) circuit breakers may also be used.

▼ Where QO (B) GFI circuit breakers are shown above, QO (B) EPD and/or QO (B) EPE circuit breakers may also be used. QO–EPE only comes in 3 pole construction.

△ Where QO (B) AFI circuit breakers are shown above, QO (B) CAFI circuit breakers may also be used.

□ To achieve selective coordination, the rating of the DJ main circuit breaker must be at least two times greater than the ampere rating of any branch circuit breaker.

◊ For complete series ratings for Delta Systems please reference NQ/NQM Panelboards Information Manual 80043–712–06.

Table 9.196: NQ Series Connected Circuit Breaker Ratings (RMS Symmetrical)

Maximum System Voltage AC ▲■	Maximum Short Circuit Current Rating	Square D™ Brand Integral or Remote Main Circuit Breakers and Remote Main Fuses	Square D™ Brand Branch Circuit Breaker Catalog Designation and Allowable Ampere Ranges ♦★▼△			
			Type	1 Pole	2 Pole	3 Pole
240/120 V 3P/4W	42,000	LA, MA	Q2L–H QDL	— —	100–225 A 70–225 A	100–225 A 70–225 A
		LC400A	QO (B) QO (B) VH QO (B) GFI QO (B) AFI QO (B) CAFI	15–70 A 15–70 A 15–30 A 15–20 A 15–20 A	15–70 A 15–125A 15–60 A — —	— 15–100 A 15–30 A — —
		LC600A	QO (B) VH QO (B) GFI QO (B) AFI QO (B) CAFI	15–70 A 15–30 A 15–20 A 15–20 A	15–125 A 15–60 A — —	15–100 A 15–30 A — —
		MG	QO (B) VH	15–30 A	15–30 A	15–30 A
	65,000	LC400A	QO (B) QO (B) VH QO (B) GFI QO (B) AFI QO (B) CAFI	15–30 A 15–30 A 15–30 A 15–20 A 15–20 A	15–30 A 15–125 A 15–60 A — —	— 15–100 A — — —
		LC600A	QO (B) VH QO (B) GFI QO (B) AFI QO (B) CAFI	15–30 A — 15–20 A 15–20 A	15–125 A — — —	15–150 A 15–30 A — —
		DJ400A	QO (B) QO (B) VH QO (B) H	15–70 A — —	15–125 A — 15–100 A	— 15–150 A —
		DJ_W	QO (B) QO (B) VH QO (B) GFI QO (B) AFI QO (B) CAFI	15–70 A — 15–30 A 15–20 A 15–20 A	15–150 A 110–125 A 15–60 A — —	— 15–150 A — — —
		DJ, DG, DL 150–600 A	QO (B) EPD	—	—	15–30 A
		EG, FG, KG	QO (B) QO (B) GFI QO (B) AFI QO (B) CAFI	15–70 A 15–30 A 15–20 A 15–20 A	15–125 A 15–60 A — —	15–100 A — — —
		QG	QO (B) QO (B) VH QO (B) GFI QO (B) PL QO (B) AFI QO (B) CAFI	15–70 A — 15–30 A 15–30 A 15–20 A 15–20 A	15–125 A — 15–60 A 15–60 A — —	15–30 A 35–150 A 15–50 A 15–30 A — —
		HG, JG	QO (B) QO (B) VH QO (B) H QO (B) GFI QO (B) EPD QO (B) EPE QO (B) PL QO (B) AFI QO (B) CAFI	15–70 A — — 15–30 A 15–30 A — 15–30 A 15–20 A 15–20 A	15–125 A — 15–100 A 15–60 A 15–60 A — 15–60 A — —	15–100 A 35–150 A — 15–50 A 15–50 A 15–50 A 15–30 A — —
		FC_ or KC_22___ FC_ or KC_34___	QO (B) QO (B) AS	15–70 A 15–30 A	15–100 A 15–30 A	15–100 A 15–30 A
		LG	QO (B) QO (B) VH QO (B) H QO (B) GFI QO (B) EPD QO (B) AFI QO (B) CAFI	15–70 A 15–70 A — 15–30 A 15–30 A 15–20 A 15–20 A	15–125 A 15–125 A 15–100 A 15–60 A 15–60 A — —	— 15–150 A — 15–30 A 15–30 A — —
		LJ	QO (B) QO (B) GFI QO (B) EPD QO (B) EPE	15–70 A 15–30 A 15–30 A —	15–125 A 40–60 A 40–60 A —	— — 15–30 A 15–30 A
		LL	QO (B) EPD QO (B) EPE	— —	— —	15–30 A 15–30 A
	100,000	FC_ or KC_22___ FC_ or KC_34___	QO (B) GFI QO (B) AFI	15–30 A 15–20 A	15–30 A —	— —
		DJ400A	QO (B) QO (B) H QO (B) VH QO (B) GFI QO (B) EPD QO (B) AFI QO (B) CAFI	15–70 A — — 15–30 A 15–30 A 15–20 A 15–20 A	15–125 A 15–100 A — 15–60 A 15–60 A — —	— — 15–150 A — — — —
		EJ	QO (B)	15–70 A	15–125 A	15–100 A
		LJ	QO (B) QO (B) VH QO (B) H QO (B) GFI QO (B) EPD QO (B) AFI QO (B) CAFI	15–70 A 15–70 A — — — 15–20 A 15–20 A	15–125 A 15–125 A 15–100 A 15–30 A 15–60 A — —	— 15–150 A — — — — —
		HJ, JJ	QO (B) QO (B) H QO (B) VH QO (B) PL QO (B) GFI QO (B) EPD QO (B) AFI QO (B) CAFI	15–70 A — — 15–30 A 15–30 A 15–30 A 15–20 A 15–20 A	15–125 A 15–100 A — 15–60 A 15–60 A 15–60 A — —	15–100 A — 35–150 A 15–30 A 15–50 A 15–50 A — —

Table 9.196: NQ Series Connected Circuit Breaker Ratings (RMS Symmetrical)

Maximum System Voltage AC ▲■	Maximum Short Circuit Current Rating	Square D™ Brand Integral or Remote Main Circuit Breakers and Remote Main Fuses	Square D™ Brand Branch Circuit Breaker Catalog Designation and Allowable Ampere Ranges ♦★▼△			
			Type	1 Pole	2 Pole	3 Pole
240/120 V 3P/4	125,000	HL, JL	QO (B) QO (B) H QO (B) VH QO (B) PL QO (B) GFI QO (B) EPD QO (B) AFI QO (B) CAFI	15–70 A — — 15–30 A 15–30 A 15–30 A 15–20 A 15–20 A	15–125 A 15–100 A — 15–60 A 15–60 A 15–60 A — —	15–100 A — 35–150 A 15–30 A 15–50 A 15–50 A — —
	200,000	FI, KI, HR, JR	QO (B) QO (B) GFI QO (B) EPD QO (B) AFI QO (B) CAFI	15–70 A 15–30 A 15–30 A 15–20 A 15–20 A	15–125 A 15–60 A 15–60 A — —	15–100 A — — — —
208Y/120 3P/4W	200,000	200 A Max. Class T6, J Fuses	QO (B) QO (B) GFI QO (B) EPD	15–70 A — —	15–125 A — —	— 15–50 A 15–50 A
		400 A Max. Class T3 Fuses	QO (B) QO (B) GFI QO (B) EPE QO (B) EPD	15–70 A 15–30 A — 15–30 A	15–125 A 15–60 A — 15–60 A	15–100 A 15–50 A 15–50 A 15–50 A
240/120 V 3P/4W	42,000	400 A Max. Class T3 Fuses	QO (B) VH	15–30 A	15–125 A	—
	50,000	400 A Max. Class T3 Fuses	QO (B) VH	—	—	15–30 A
	65,000	400 A Max. Class J Fuses	QO (B) VH QO (B) EPD QO (B) EPE QO (B) AFI QO (B) CAFI	15–70 A — — 15–20 A 15–20 A	15–125 A — — — —	— 15–50 A 15–50 A — —
		400 A Max. Class T6 Fuses	QO (B) VH QO (B) AFI	15–70 A 15–20 A	15–125 A —	15–150 A —
	100,000	200 A Max. Class T3 Fuses	QO (B) QO (B) VH QO (B) GFI QO (B) EPD QO (B) EPE QO (B) AFI QO (B) CAFI QOT	15–70 A — 15–30 A 15–30 A — 15–20 A 15–20 A 15–30 A	15–125 A — 15–60 A 15–60 A — — — 15–30 A	15–100 A 15–30 A — 15–50 A 15–50 A — — —
	200,000	200 A Max. Class J or T6 Fuses	QO (B) EPD QO (B) EPE	— —	— —	15–50 A 15–50 A
		400 A Max. Class T3 Fuses	QO (B) QO (B) GFI QO (B) EPD QO (B) EPE	15–70 A 15–30 A 15–30 A —	15–125 A 15–60 A 15–60 A —	15–100 A — 15–50 A 15–50 A

▲ For shown circuit breakers rated less than this maximum voltage, the indicated short circuit current rating also applies, but at the voltage rating of the circuit breaker.

■ Short circuit tests are conducted at 100–105% of the maximum rated voltage of the panelboard.

♦ Suffixes HID, SWD, and SWN may also be applied to the applicable branch circuit breakers shown above. Suffix SWN may **not** be applied in combination with LC main breakers.

★ Where QO (B) circuit breakers are shown above, QO (B) H, QO (B) VH, and QH (B) circuit breakers may also be used.

▼ Where QO (B) GFI circuit breakers are shown above, QO (B) EPD circuit breakers may also be used.

△ To acheive selective coordiantion, the rating of the DJ main circuit breaker must be at least two times greater than the ampere rating of any branch circuit breaker.

Table 9.197: NQ SurgeLogic SurgeLoc Plug-on SPD▲■

Voltage		Part Number	List $ Price	Poles Occupied
120 / 240 V	80 kA	SSP01BIA08PBQ1	**4200.**	12
	100 kA	SSP01BIA10PBQ1	**4500.**	
	120 kA	SSP01BIA12PBQ1	**4800.**	
	160 kA	SSP01BIA16PBQ1	**5300.**	
	200 kA	SSP01BIA20PBQ1	**6500.**	
	240 kA	SSP01BIA24PBQ1	**7900.**	
208 Y / 120 V	80 kA	SSP02BIA08PBQ1	**4400.**	12
	100 kA	SSP02BIA10PBQ1	**4700.**	
	120 kA	SSP02BIA12PBQ1	**5100.**	
	160 kA	SSP02BIA16PBQ1	**5550.**	
	200 kA	SSP02BIA20PBQ1	**7000.**	
	240 kA	SSP02BIA24PBQ1	**8250.**	
240 / 120 HLD	80 kA	SSP03BIA08PBQ1	**4400.**	12
	100 kA	SSP03BIA10PBQ1	**4700.**	
	120 kA	SSP03BIA12PBQ1	**5100.**	
	160 kA	SSP03BIA16PBQ1	**5550.**	
	200 kA	SSP03BIA20PBQ1	**7000.**	
	240 kA	SSP03BIA24PBQ1	**8250.**	

▲ When selecting a panelboard with SurgeLoc SPD, an additional 12 circuit positions (6 adjacent mounting spaces per side) are occupied. For example, if the desired number of circuits is 30, refer to Digest Table 9.9 on page 6 and Table 9.10 on page 7 to select the NQ442L2/NQ442L2C interior and corresponding Box and Trim.

■ SPD is only available up to 72 desired circuit counts.