

# I-Line™ Combo Panelboard

## Distribution Panelboards

Catalog  
2110CT1301R07/19

# 2019

Class 2110



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by Schneider Electric

## Product Description

The I-Line™ Combo single phase and three phase panelboard, combines NQ for single phase and NQ or NF for three phase lighting section with an I-Line distribution section in a single panelboard. This is an industry-exclusive addition to the Schneider Electric Square D™ brand I-Line Power Distribution Panelboard offer, designed for use in both AC and DC systems. It is available in single or duplex configurations, which determine the number of included lighting sections. All main circuit breaker panelboards rated 800 A or less are suitable for use as service equipment with appropriate barriers.

I-Line Combo panelboards are available as 225–1200 A main lugs only and 70–1200 A main circuit breakers. The I-Line Combo panelboards are designed to accept the following circuit breakers: BD, BG, BJ, BK, EDB, EGB, EJB, FA, FH, HD, HG, HJ, HL, HR, JD, JG, JJ, JL JR, LA, LD, LG, LJ, LL, LR, MG, MJ, PG, PJ, PK, PL, QB, QD, QG, QJ, QO, QOB, RG, RJ, RK, and RL.

## Standards

I-Line Combo panelboards are designed, manufactured, and tested to comply with the following standards:

Standard	Description
UL 50	Standard for electrical equipment enclosures
UL 67	Standard for panelboards
CSA C22.2, Nos. 29 and 94-1989	Standard for panelboards, including enclosed panelboards
NFPA 70	National Electrical Code (NEC)
CSA C22.1	Canadian Electrical Code (CEC)
NEMA PB 1	Standard for panelboards
W-P 115C Type 1 Class 1	Specification for circuit breaker panelboards
2000 IBC	US standard for seismic requirements
1995 NBCC	Canadian standard for seismic requirements



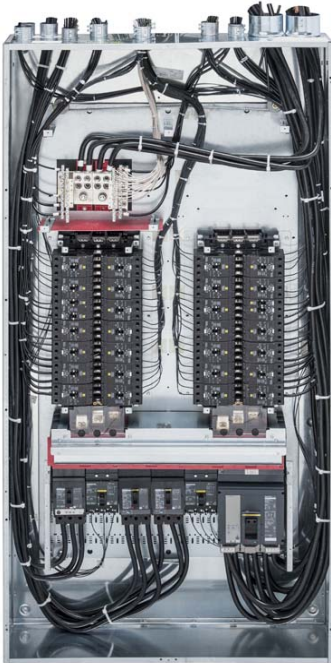
Single I-Line  
Combo Panelboard



Duplex I-Line  
Combo Panelboard

# I-Line™ Combo Panelboard

## Product Description



### Service

The I-Line Combo distribution panelboards can be used on the following system voltages:

Vac	Phase	Wire
120/240 <sup>1</sup>	1	3
208Y/120	3	4
480Y/277	3	4
240/120	3	4
600Y/347	3	4
220/110	3	4
230/115	3	4
380/115	3	4
400/230	3	4
415/240	3	4
240	3	3

Vdc	Phase	Wire
48(NQ) <sup>2</sup>	—	2

<sup>1</sup> NQ only.

<sup>2</sup> The DC rating of the entire panelboard is limited due to the 48 Vdc rating of QO circuit breakers used in the NQ section of the I-Line Combo panelboard.

Panelboard Configuration	I-Line Mounting Space	Maximum Amperage		Lighting Section Circuit Count		NEMA 1 Dimension in Inches (millimeters)			
				Section 1	Section 2	Height	Width	Depth	
Single	18 in. (457 mm)	600		30	—	86 (2184)	26 (660)	9.5 (241)	
				42	—	86 (2184)	26 (660)	9.5 (241)	
Single	22.5 in. (572 mm)	600		30	—	73 (1854)	32 (813)	9.5 (241)	
				42	—	91 (2311)	32 (813)	9.5 (241)	
Duplex <sup>1</sup>	22.5 in. (572 mm)	600		42	42	91 (2311)	32 (813)	9.5 (241)	
				54	30	91 (2311)	32 (813)	9.5 (241)	
Duplex	31.5 in. (800 mm)	800	1200 <sup>2</sup>	MLO	42	42	86 (2184)	44 (1118)	9.5 (241)
				MCB	54	30	86 (2184)	44 (1118)	9.5 (241)
					30	Optional Mounting Space <sup>3</sup>	86 (2184)	44 (1118)	9.5 (241)
					42	Optional Mounting Space <sup>3</sup>	86 (2184)	44 (1118)	9.5 (241)
					54 <sup>4</sup>	Optional Mounting Space <sup>3</sup>	86 (2184)	44 (1118)	9.5 (241)
					1200 <sup>5</sup>	42	42	86 (2184)	44 (1118)

<sup>1</sup> Only available in the NQ lighting panelboard.

<sup>2</sup> 1200 A is available as 42–42 only.

<sup>3</sup> Optional mounting space is only available on 800 A interiors, not 1200 A.

<sup>4</sup> The 54 circuit with an optional mounting space is available for 800 A, but can only be used with 1, 2, or 3 lighting contactors.

<sup>5</sup> Main lugs must be placed in the middle of the I-Line bus stack.

# I-Line™ Combo Panelboard

## Product Description



**NEMA Type 1  
Enclosure**



**NEMA Type 3R  
Enclosure**

### Enclosure Protection

Enclosure	Protects From These Environments:
Type 1	Indoor contact with the enclosed equipment
Type 3R <sup>1</sup>	Outdoor falling rain, sleet, and ice
Type 4/4X Stainless <sup>1</sup>	Corrosion, hose-directed water, dust
Type 5 <sup>1</sup>	Indoor settling dust, falling dirt, dripping liquids
Type 12 <sup>1</sup>	Indoor circulating dust, falling dirt, dripping liquids

<b>Type 1 Enclosures</b>	<b>Fronts</b>	Surface and flush trims available as four-piece construction. Standard does not include door. An optional four-piece trim with door is also available. Finished with gray-baked enamel electrodeposited over cleaned phosphatized steel (ANSI 49).
	<b>Boxes</b>	Galvanized steel in 26, 32, and 44-inch (660, 813, and 1118 mm) widths. Removable endwalls without knockouts.
<b>Type 3R, 5, and 12 Enclosures</b>		Gasketed door with vault handle and directory card holder
		Three-point latching
		End and side gutter trim
		No knockouts
		Removable drain screw for Type 3R Finished with gray-baked enamel electrodeposited over cleaned phosphatized steel (ANSI 49)

<sup>1</sup> Only available in 26 in. (660 mm) and 44 in. (1118 mm) width configurations.



**Powerpact P-Frame 1200 A Main**

(the maximum size circuit breaker for the I-Line Combo panelboard)



**Powerpact L-Frame 250 A Main**



**Solid Neutral Assembly**

## Main Circuit Breaker Panelboards

- Accepts up to 1200 A main circuit breaker <sup>2</sup>
- Available factory-assembled up to 1200 A or ready-to-install up to 800 A <sup>2</sup>
- Cable entry can be top or bottom feed <sup>2</sup>
- Suitable for use in the US as service entrance equipment up to 800 A or less with appropriate barriers.
- Accepts plug-on I-Line main circuit breakers: LA-frame, PowerPact™ L-, M-, and P-frame
- Available with a short circuit current rating (SCCR) up to 200 kA maximum
- Available with tin plated copper bus, silver plated copper bus, or tin plated aluminum bus<sup>3, 4</sup>
- Solid neutral is mounted at the top of the panelboard, as standard
- Available with compression lugs for I-Line circuit breakers; consult online *Digest* for details about compression lugs available for each circuit breaker type.

## Main Lugs-Only Panelboards

- Available up to 1200 A factory assembled
- Available up to 800 A Ready To Install (RTI)
- Accepts plug-on I-Line main lug kits <sup>5</sup>
- Available with a short circuit current rating (SCCR) up to 200 kA maximum
- Available with tin-plated copper bus, silver-plated copper bus, or tin-plated aluminum bus <sup>4</sup>
- Cable entry can be top or bottom feed <sup>3</sup>
- Solid neutral is mounted at the top of the panelboard, as standard
- Available with compression lugs for I-Line circuit breakers; consult online *Digest* for details about compression lugs available for each circuit breaker type.

## Solid Neutral

- Mounts in main compartment above the lighting sections
- Does not take up interior circuit breaker mounting space
- UL/CSA Listed for use with aluminum or copper conductors
- Copper or aluminum neutral available
- 200% rated neutral available as a factory-assembled option up to 800 A

## Branch Circuit Breakers

- NQ lighting sections accept QO and QOB circuit breakers, which are available from 10–150 A
- NF lighting sections accept E-frame circuit breakers, which are available from 15–110 A
- I-Line sections with 18 in. (457 mm), 22.5 in. (572 mm), or 31.5 in. (800 mm) of mounting space will accept thermal magnetic/basic electronic or electronic with ammeter or energy trip unit I-Line circuit breakers.

<sup>2</sup> 1200 A main circuit breaker is allowed in US and Mexico only.

<sup>3</sup> I-Line section is required to reside at the bottom of the panelboard.

<sup>4</sup> Tin-plated aluminum bussing is only available on 225 A and 250 A configurations.

<sup>5</sup> Use only Square D Type SL250, SL400, SL800, SL800M5, SL1200P5, SL1200P6, SI1200P7, S33931 (use on 800 A interiors as a main or a branch, or as a branch only on 1200 A) plug on lug kits with these devices. Plug on lug kit S33930 may be used as a main device for 1200 A NQ interiors with a minimum box depth of 12" but cannot be installed closer than 7.5" of unit mounting space to either end of the bus stack.

# I-Line™ Combo Panelboard

## Features and Benefits

### Features and Benefits

Listed below are some of the benefits of the I-Line Combo panelboard.

#### Ease of Installation

The I-Line Combo panelboard provides a simple, quick installation due to the minimal amount of materials needed and the benefit of only having to install a single panelboard.

#### Reduced Footprint

By combining a power panel with up to two lighting panels in a single enclosure, the I-Line Combo panelboard saves significant space at any site.

#### Industry Exclusive Design

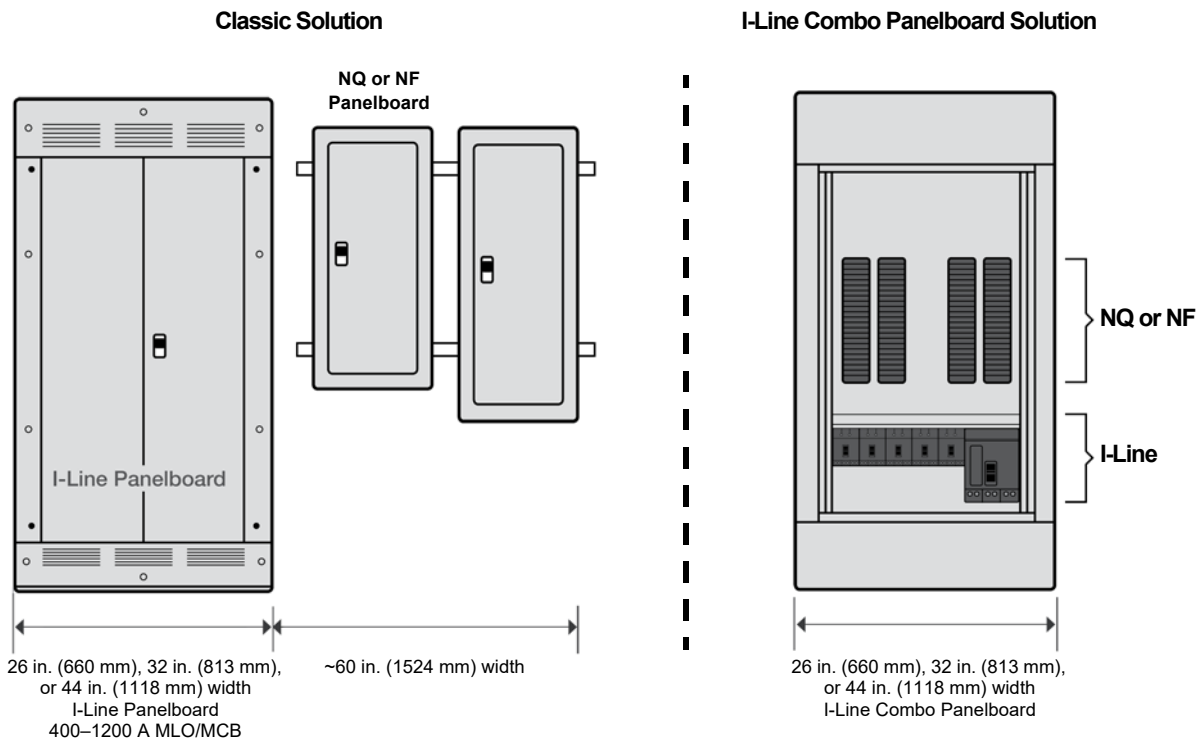
The innovative, hard-bussed connection between the NQ or NF lighting sections and the I-Line power section.

#### Simple to Retrofit

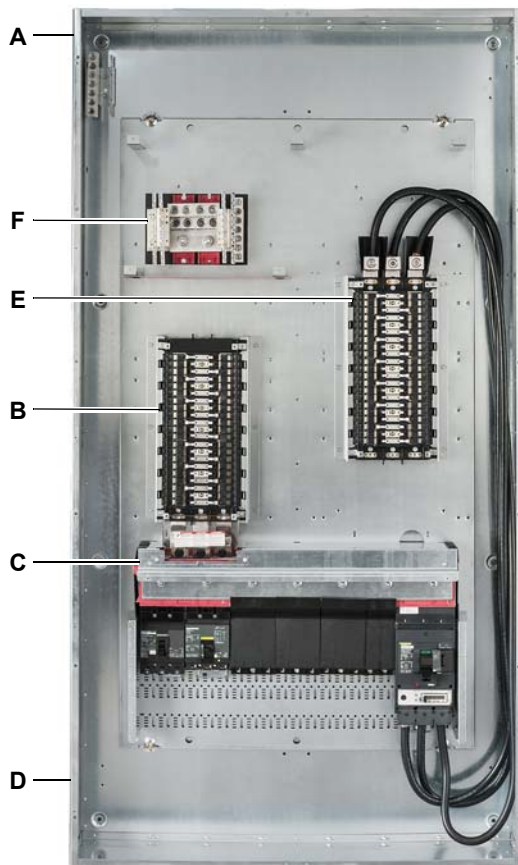
I-Line Combo panelboard enclosures fit into the same footprint on sites where an existing I-Line power panelboard resides, providing easy upgrades of electrical equipment.

#### Flexible Circuit Breaker Configuration

Due to the I-Line Combo panelboard's ability to house I-Line molded case circuit breakers as well as cost effective miniature circuit breakers, it provides not only a more economical solution but an adaptable solution tailored to each customer.



## I-Line™ Combo Panelboard Features and Benefits



**Duplex I-Line Combo Panelboard  
with Optional Mounting Space**

- A. I-Line Combo panelboards are available as Type 1, 3R, 4/4X, 5, and 12 enclosures in 26 in. (660 mm), 32 in. (813 mm), or 44 in. (1118 mm) box widths. Placing the lighting sections and I-Line power section in the same box reduces the total footprint on a project site. All enclosures are available in either high-quality galvanized or stainless steel, providing extra protection for the panelboard's interior components.
- B. Schneider Electric NQ or NF lighting sections are hard bussed to the I-Line power section. With the lighting sections and power section in the same enclosure, cost-conscious customers will benefit from flexible circuit breaker configurations.
- C. The I-Line power section is mounted horizontally and available in 18 in. (457 mm), 22.5 in. (572 mm), or 31.5 in. (800 mm) mounting space configurations. The stacked bus structure offers unrestricted circuit breaker placement options. Due to the circuit breaker's "plug-on" type connection, the jaws on each circuit breaker create a firm grip on the bus bar during high-level short circuit conditions. The only tool needed for installing an I-Line circuit breaker is a screwdriver, making it the industry's quickest and easiest installation.
- D. Wireway in the I-Line Combo panelboard offers ample room for wire bending, utilizing standard installation practices. This enclosure's design is installer friendly.
- E. The I-Line Combo panelboard duplex configuration, with optional mounting space (pictured at left), provides the capability for future site growth. Ready-to-install kits are available as cable-fed field-installable options that are mounted in the available space. The additional mounting space can be utilized for many applications including:

### **Ready-to-Install Kits**

- Dual 18 circuit section assembly
- Single 18 circuit section with contactor mounting assembly
- Additional 42 circuit section assembly
- Contactor mounting kit for up to three contactors

### **Factory Assembled Options <sup>6</sup>**

- Powerlink™ lighting section in 42 or 54 circuit configurations

- F. The solid neutral in the I-Line Combo panelboard is included as standard.

<sup>6</sup> Options listed above for ready-to-install configurations can be ordered as cable fed factory assembled configurations.



# I-Line™ Combo Panelboard Accessories and Kits



42 Circuit NQ Ready-to-Install Kit

## Accessories and Kits

### Available Ready-to-Install Kits

To provide future job site growth, ready-to-install 42 circuit NQ or NF lighting sections make it possible to install additional circuits in the field. Ready-to-install dual 18 circuit assemblies are also available as field installable accessories.

Lighting Section Type	Circuit Count	Amperage	Catalog Number
NF (600Y/347 Vac Max)	18 (with contactor kit)	125	NFICRT418C1C
	Dual 18	125	NFICRT418L1C
	42	250	NFICRT442L2C
		400	NFICRT442L4C
		600	NFICRT442L6C
NQ (240/120 Vac Max)	18 (with contactor kit)	100	NQICRT418C1C
	Dual 18	100	NQICRT418L1C
	42	225	NQICRT442L2C
		400	NQICRT442L4C
		600	NQICRT442L6C

Lighting Section Type	Catalog Number
Contactor Adaptor Kit <sup>1</sup>	NQINF18903KIT

<sup>1</sup> See the most updated version of the *Digest* for contactor assemblies.

### Available Factory Installed Options

All available options that may be installed on the lighting section mounting pan can be ordered factory assembled. One, two, or three lighting contactors can be included per the specifications below:

- For 100 A contactors or less, up to three contactors may be installed on the mounting pan.
- For 150 A to 225 A contactors, up to two contactors may be installed on the mounting pan.



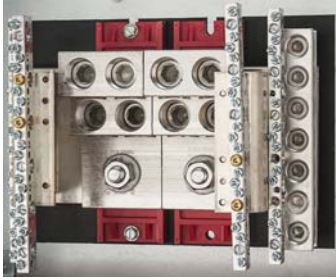
Ready-to-Install  
Lighting Contactor Kit



## Accessories

### Solid Neutral

The solid neutral mounts in either the upper-right or upper-left section of the enclosure and does not take up interior circuit breaker mounting space. Copper or aluminum neutrals are available.



### Ground Bars

Equipment ground bars, available in copper or aluminum, mount in the panelboard box, providing convenient termination of equipment-grounding conductors.



### Blank fillers

Blank fillers are required to cover unused mounting space in I-Line panelboards. Filler extensions are also available to provide clear visibility of the circuit breaker LCD screen, if ammeter or energy trip units on PowerPact circuit breakers are selected.

### Optional Communication Capabilities

The I-Line Combo panelboard has optional communication capabilities with any PowerPact standard, ammeter, or energy Micrologic™ trip unit. This option, which requires the addition of a 14 in. (356 mm) wide extension, provides the I-Line Combo panelboard with ample space for communications equipment and easy customer access to the compartment. The box extension can be placed on either the left or right side of the panelboard for additional flexibility.

### PowerPact with Micrologic Molded Case Circuit Breakers

Standard, ammeter, or energy Micrologic trip units are available within I-Line Combo panelboard. PowerPact circuit breakers allow for metering down to 15 A and can:

- Measure power information and energy usage patterns
- Monitor events and deviations from normal operations
- Provide predictive maintenance indicators
- Access data locally on the circuit breaker LCD screen

Optional access to data through front display modules and Modbus™ communications are also available.



# I-Line™ Combo Panelboard

## General and Application Information

### General and Application Information

The information below includes the available circuit breakers offered in the I-Line Combo panelboard. For more detailed information concerning circuit breaker ratings, terminal data, and lug information, see Section 9 of the current Schneider Electric *Digest*, available through the following link: <http://products.schneider-electric.us/products-services/online-digest/>.



**Table 1: QO Circuit Breaker Family (15 A–150 A)**

Branch Prefix	Availability			Interrupting Rating
	1-Pole	2-Pole	3-Pole	
QO/QOB	10–70 A	10–125 A	10–100 A	10,000 A
QO-VH/QOB-VH	15–30 A	15–150 A	15–150 A	22,000 A
QH/QHB	15–30 A	15–30 A	15–30 A	65,000 A



**Table 2: E-Frame Circuit Breaker Family (15 A–110 A)**

Branch Prefix	Availability			Interrupting Rating <sup>1</sup>	
	1-Pole	2-Pole	3-Pole	480/277 Vac	800Y/347 Vac
EDB	15–70 A	15–110 A	15–110 A	18,000 A	14,000 A
EGB	15–70 A	15–110 A	15–110 A	35,000 A	18,000 A
EJB	15–70 A	15–110 A	15–110 A	65,000 A	25,000 A

<sup>1</sup> Series ratings are also available.



**Table 3: I-Line Circuit Breaker Family (15 A–1200 A)<sup>1, 2</sup>**

Circuit Breaker Type	Max. Circuit Breaker Amperage	Main Circuit Breaker or Main Lug
Plug-on main circuit breaker	400 A	LA frame
	600 A	L frame
	800 A	M frame
	800 A	P frame
	1200 A	P frame
Plug-on main lug	400 A	SL400
	800 A	SL800, SL800M5, S33931 <sup>3</sup> , SL1200P5 <sup>3</sup> , SL1200P6 <sup>3</sup> , SL1200P7 <sup>3</sup>
Branch circuit breaker	100 A	F frame
	125 A	B frame
	150 A	H frame
	225 A	Q frame
	250 A	J frame
	600 A	L frame
	800 A	M frame
	1200 A	P frame

<sup>1</sup> Interrupting ratings for I-Line circuit breakers can be found in the most current edition of the *Digest*.

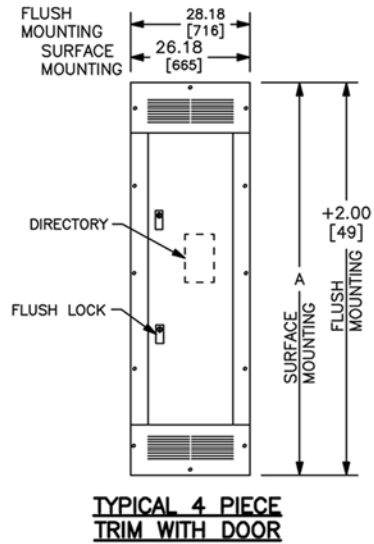
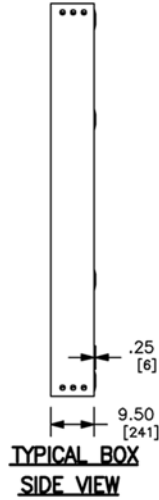
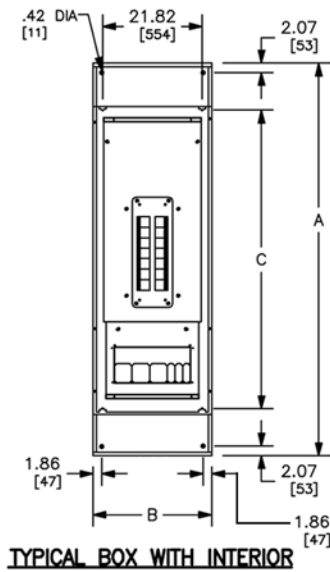
<sup>2</sup> Main lug configurations are available as 15 A and above; main circuit breaker configurations are available as 100 A and above.

<sup>3</sup> S33931, SL1200P5, SL1200P6, and SL1200P7 can be used as a main lug or subfeed lug on 800 A interiors or as a subfeed lug only on 1200 A interiors.

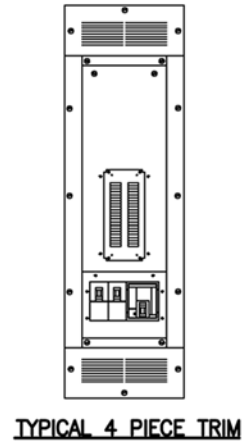
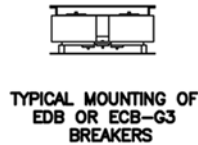
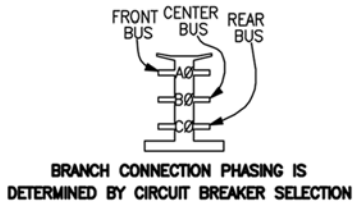


PowerPact H-, J-, L-, M-, and P-frame I-Line circuit breakers are available in the I-Line Combo panelboard. F-frame and Q-frame I-Line circuit breakers are available, as well. (F-frame not pictured.)

Enclosure Dimensions



Typical Mounting of BD, BG, BJ, BK, FA, FH, HD, HG, HJ, HL, HR, JD, JG, JJ, JL JR, LA, LD, LG, LJ, LL, LR, MG, MJ, PG, PJ, PK, PL, QB, QD, QG, QJ Circuit Breakers



REFER TO DP CATALOG CLASS 2110 FOR ADDITIONAL INFORMATION

I-LINE COMBO PANELBOARDS MEET THE APPLICABLE REQUIREMENTS OF UL AND CSA.

BOX: CODE GAUGE STEEL WITH REMOVABLE BLANK ENDWALLS.

FRONT: CODE GAUGE STEEL. GRAY BAKED ENAMEL FINISH ELECTRODEPOSITED OVER CLEANED PHOSPHATIZED STEEL.

LOCK: (COVERS WITH DOORS) HAVE (2) FLUSH LOCKS WITH NSR-251 KEY.

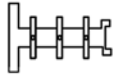
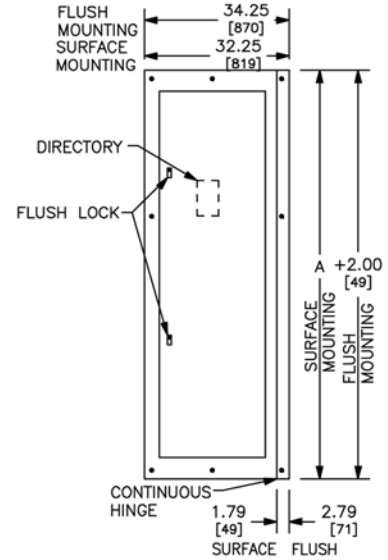
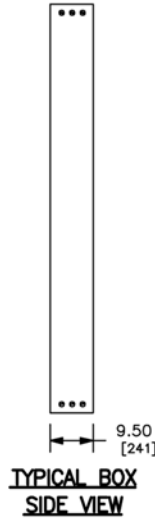
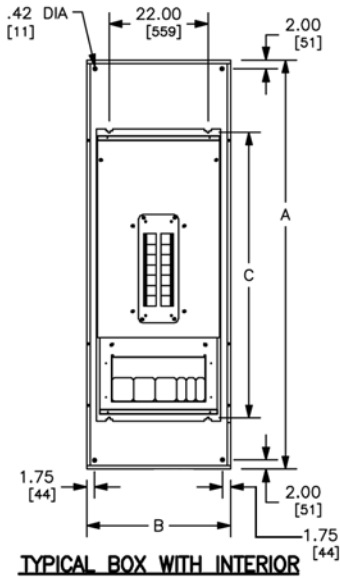
FOR NEMA TYPE 3R ENCLOSURE, PLEASE REFER TO PBA850.

DUAL DIMENSIONS: INCHES MILLIMETERS

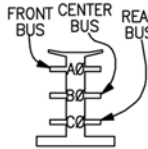
MAXIMUM MLO OR BACK FEED MAIN AMPERE RATING	INCHES OF I-LINE MOUNTING SPACE	NUMBER OF LIGHTING SECTION CIRCUITS	A		B		C			
			IN	MM	IN	MM	IN	MM		
600A	18	30	86.00	2184	26.00	660	65.40	1585		
600A, W/9" BOTTOM EXTENSION			95.00	2413	26.00	660	65.40	1585		
600A, W/9" TOP EXTENSION			95.00	2413	26.00	660	65.40	1585		
600A, W/14" WIDE EXTENSION			86.00	2184	40.00	1016	65.40	1585		
600A			42	42	86.00	2184	26.00	660	65.40	1585
600A, W/9" BOTTOM EXTENSION					95.00	2413	26.00	660	65.40	1585
600A, W/9" TOP EXTENSION		95.00			2413	26.00	660	65.40	1585	
600A, W/14" WIDE EXTENSION		86.00			2184	40.00	1016	65.40	1585	

DWG# PBA801

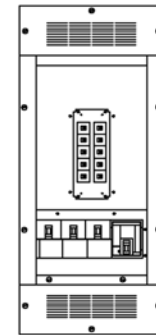
# I-Line™ Combo Panelboard Enclosure Dimensions



Typical Mounting of BD, BG, BJ, BK, FA, FH, HD, HG, HJ, HL, HR, JD, JG, JJ, JL, JR, LA, LD, LG, LJ, LL, LR, MG, MJ, PG, PJ, PK, PL, QB, QD, QG, QJ Circuit Breakers



BRANCH CONNECTION PHASING IS DETERMINED BY CIRCUIT BREAKER SELECTION



DUAL DIMENSIONS: INCHES  
MILLIMETERS

REFER TO DP CATALOG CLASS 2110 FOR ADDITIONAL INFORMATION

I-LINE COMBO PANELBOARDS MEET THE APPLICABLE REQUIREMENTS OF UL AND CSA.

BOX: CODE GAUGE STEEL WITH REMOVABLE BLANK ENDWALLS.

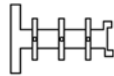
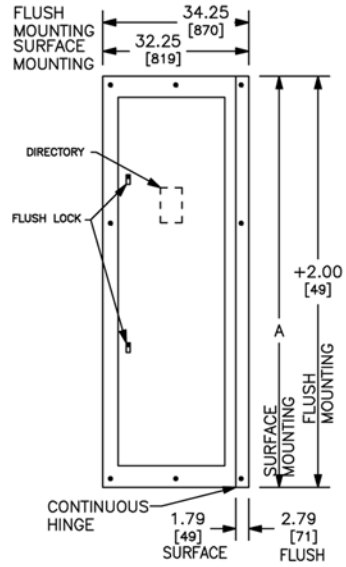
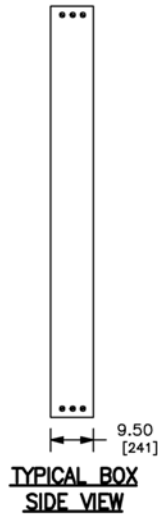
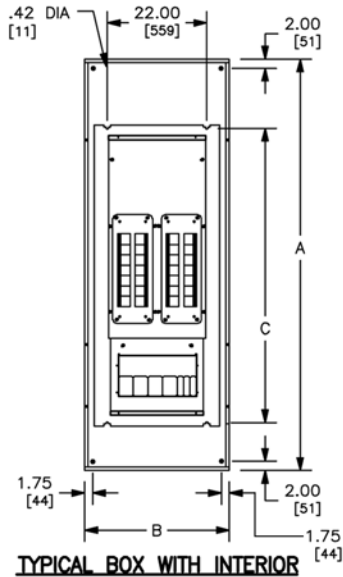
FRONT: CODE GAUGE STEEL. GRAY BAKED ENAMEL FINISH ELECTRODEPOSITED OVER CLEANED PHOSPHATIZED STEEL.

LOCK: (COVERS WITH DOORS) 73.00/[1854] - 91.00/[2311] HIGH FRONTS HAVE (2) FLUSH LOCKS WITH NSR-251 KEY.

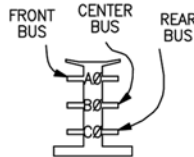
MAXIMUM MLO OR BACK FEED MAIN AMPERE RATING	INCHES OF I-LINE MOUNTING SPACE	NUMBER OF LIGHTING SECTION CIRCUITS	A		B		C		
			IN	MM	IN	MM	IN	MM	
600A	22.5	30	73.00	1854	32.00	813	47.10	1196	
600A, W/9" BOTTOM EXTENSION			82.00	2083	32.00	813	47.10	1196	
600A, W/9" TOP EXTENSION			82.00	2083	32.00	813	47.10	1196	
600A, W/14" WIDE EXTENSION			73.00	1854	46.00	1168	47.10	1196	
600A			42	91.00	2311	32.00	813	65.10	1654
600A, W/9" BOTTOM EXTENSION				100.00	2540	32.00	813	65.10	1654
600A, W/9" TOP EXTENSION		100.00		2540	32.00	813	65.10	1654	
600A, W/14" WIDE EXTENSION		91.00		2311	46.00	1168	65.10	1654	
600A		54		91.00	2311	32.00	813	65.10	1654
600A, W/9" BOTTOM EXTENSION				100.00	2540	32.00	813	65.10	1654
600A, W/9" TOP EXTENSION			100.00	2540	32.00	813	65.10	1654	
600A, W/14" WIDE EXTENSION			91.00	2311	46.00	1168	65.10	1654	

DWG# PBA802

# I-Line™ Combo Panelboard Enclosure Dimensions



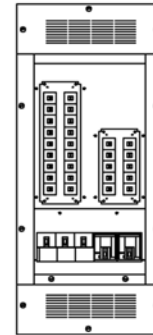
Typical Mounting of BD, BG, BJ, BK, FA, FH, HD, HG, HJ, HL, HR, JD, JG, JJ, JL JR, LA, LD, LG, LJ, LL, LR, MG, MJ, PG, PJ, PK, PL, QB, QD, QG, QJ Circuit Breakers



BRANCH CONNECTION PHASING IS DETERMINED BY CIRCUIT BREAKER SELECTION



TYPICAL MOUNTING OF QO OR QOB BREAKERS



**TYPICAL 4 PIECE TRIM**

REFER TO DP CATALOG CLASS 2110 FOR ADDITIONAL INFORMATION

I-LINE COMBO PANELBOARDS MEET THE APPLICABLE REQUIREMENTS OF UL AND CSA.

BOX: CODE GAUGE STEEL WITH REMOVABLE BLANK ENDWALLS.

FRONT: CODE GAUGE STEEL. GRAY BAKED ENAMEL FINISH ELECTRODEPOSITED OVER CLEANED PHOSPHATIZED STEEL.

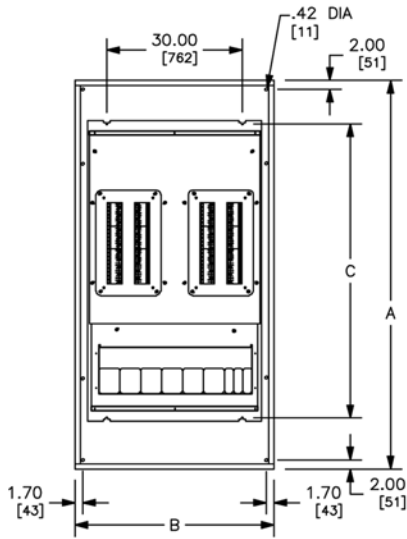
LOCK: (COVERS WITH DOORS) 73.00/[1854] - 91.00/[2311] HIGH FRONTS HAVE (2) FLUSH LOCKS WITH NSR-251 KEY.

DUAL DIMENSIONS: INCHES MILLIMETERS

MAXIMUM MLO OR BACK FEED MAIN AMPERE RATING	INCHES OF I-LINE MOUNTING SPACE	NUMBER OF LIGHTING SECTION CIRCUITS		A		B		C	
		LEFT	RIGHT	IN	MM	IN	MM	IN	MM
600A	22.5	42	42	91.00	2311	32.00	813	65.10	1654
600A, W/9" BOTTOM EXTENSION				100.00	2540	32.00	813	65.10	1654
600A, W/9" TOP EXTENSION				100.00	2540	32.00	813	65.10	1654
600A, W/14" WIDE EXTENSION		91.00	2311	46.00	1168	65.10	1654		
600A		54	30	91.00	2311	32.00	813	65.10	1654
600A, W/9" BOTTOM EXTENSION				100.00	2540	32.00	813	65.10	1654
600A, W/9" TOP EXTENSION	100.00			2540	32.00	813	65.10	1654	
600A, W/14" WIDE EXTENSION	91.00	2311	46.00	1168	65.10	1654			



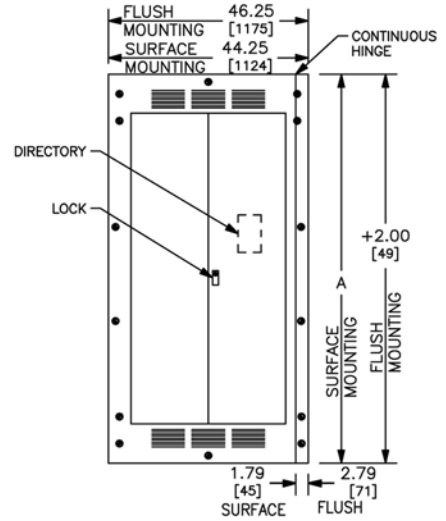
# I-Line™ Combo Panelboard Enclosure Dimensions



**TYPICAL BOX WITH INTERIOR**

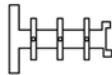


**TYPICAL BOX SIDE VIEW**

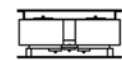


**TYPICAL HINGED TRIM**

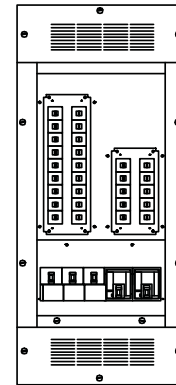
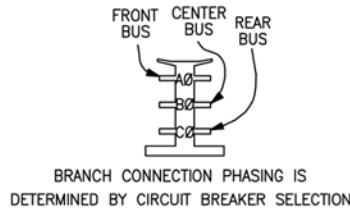
Typical Mounting of BD, BG, BJ, BK, FA, FH, HD, HG, HJ, HL, HR, JD, JG, JJ, JL JR, LA, LD, LG, LJ, LL, LR, MG, MJ, PG, PJ, PK, PL, QB, QD, QG, QJ Circuit Breakers



**TYPICAL MOUNTING OF EDB OR ECB-G3 BREAKERS**



**TYPICAL MOUNTING OF QO OR QOB BREAKERS**



**TYPICAL 4 PIECE TRIM**

DUAL DIMENSIONS: INCHES MILLIMETERS

REFER TO DP CATALOG CLASS 2110 FOR ADDITIONAL INFORMATION

I-LINE COMBO PANELBOARDS MEET THE APPLICABLE REQUIREMENTS OF UL AND CSA.

BOX: CODE GAUGE STEEL WITH REMOVABLE BLANK ENDWALLS.

FRONT: CODE GAUGE STEEL. GRAY BAKED ENAMEL FINISH ELECTRODEPOSITED OVER CLEANED PHOSPHATIZED STEEL.

LOCK: (COVERS WITH DOORS) HAVE 3 POINT ESCUTCHEON FLUSH LOCK WITH NSR-251 KEY.

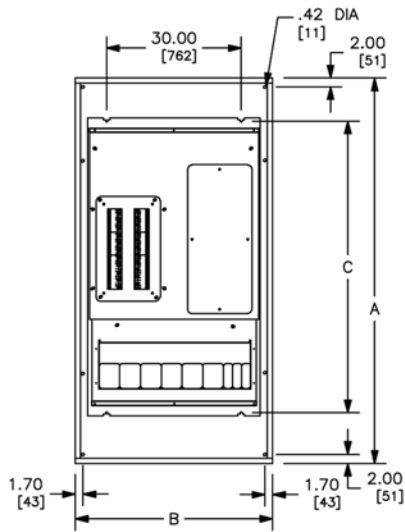
FOR NEMA TYPE 3R ENCLOSURE, PLEASE REFER TO PBA853

MAXIMUM MLO OR BACK FEED MAIN AMPERE RATING	INCHES OF I-LINE MOUNTING SPACE	NUMBER OF LIGHTING SECTION CIRCUITS		A		B		C	
		LEFT	RIGHT	IN	MM	IN	MM	IN	MM
800A	31.5	42	42	86.00	2184	44.00	1118	65.10	1654
800A, W/6" BOTTOM EXTENSION				92.00	2337	44.00	1118	65.10	1654
800A, W/6" TOP EXTENSION				92.00	2337	44.00	1118	65.10	1654
800A, W/12" BOTTOM EXTENSION				98.00	2489	44.00	1118	65.10	1654
800A, W/12" TOP EXTENSION				98.00	2489	44.00	1118	65.10	1654
800A, W/14" WIDE EXTENSION				86.00	2184	58.00	1473	65.10	1654
800A		54	30	86.00	2184	44.00	1118	65.10	1654
800A, W/6" BOTTOM EXTENSION				92.00	2337	44.00	1118	65.10	1654
800A, W/6" TOP EXTENSION				92.00	2337	44.00	1118	65.10	1654
800A, W/12" BOTTOM EXTENSION				98.00	2489	44.00	1118	65.10	1654
800A, W/12" TOP EXTENSION				98.00	2489	44.00	1118	65.10	1654
800A, W/14" WIDE EXTENSION				86.00	2184	58.00	1473	65.10	1654

NOTE: UTILIZATION OF 600KCMIL REQUIRES IN USE OF A 6" BOTTOM EXTENSION

DWG# PBA804

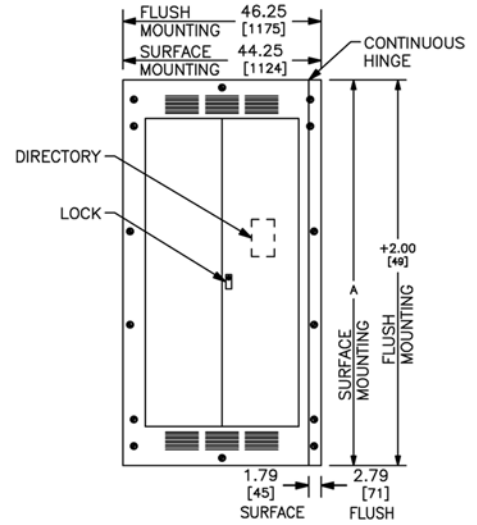
# I-Line™ Combo Panelboard Enclosure Dimensions



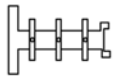
**TYPICAL BOX WITH INTERIOR**



**TYPICAL BOX SIDE VIEW**

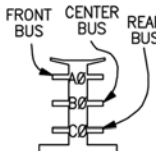


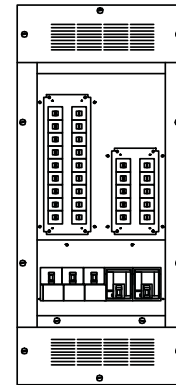
**TYPICAL HINGED TRIM**

  
**Typical Mounting of BD, BG, BJ, BK, FA, FH, HD, HG, HJ, HL, HR, JD, JG, JJ, JL, JR, LA, LD, LG, LJ, LL, LR, MG, MJ, PG, PJ, PK, PL, QB, QD, QG, QJ Circuit Breakers**

  
**TYPICAL MOUNTING OF EDB OR ECB-G3 BREAKERS**

  
**TYPICAL MOUNTING OF QO OR QOB BREAKERS**

  
 BRANCH CONNECTION PHASING IS DETERMINED BY CIRCUIT BREAKER SELECTION



**TYPICAL 4 PIECE TRIM**

REFER TO DP CATALOG CLASS 2110 FOR ADDITIONAL INFORMATION

I-LINE COMBO PANELBOARDS MEET THE APPLICABLE REQUIREMENTS OF UL AND CSA.

BOX: CODE GAUGE STEEL WITH REMOVABLE BLANK ENDWALLS.

FRONT: CODE GAUGE STEEL. GRAY BAKED ENAMEL FINISH ELECTRODEPOSITED OVER CLEANED PHOSPHATIZED STEEL.

LOCK: (COVERS WITH DOORS) HAVE 3 POINT ESCUTCHEON FLUSH LOCK WITH NSR-251 KEY.

FOR NEMA TYPE 3R ENCLOSURE, PLEASE REFER TO PBA854

DUAL DIMENSIONS: INCHES MILLIMETERS

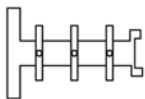
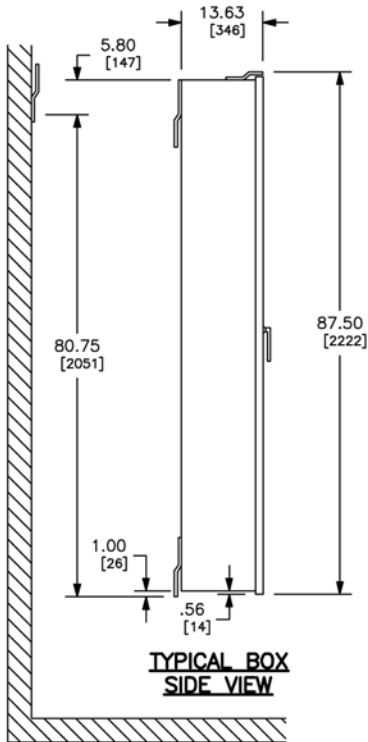
MAXIMUM MLO OR BACK FEED MAIN AMPERE RATING	INCHES OF I-LINE MOUNTING SPACE	NUMBER OF LIGHTING SECTION CIRCUITS		A		B		C	
		LEFT	RIGHT	IN	MM	IN	MM	IN	MM
800A	31.5	42	OPTIONAL MOUNTING SPACE	86.00	2184	44.00	1118	65.10	1654
800A, W/6" BOTTOM EXTENSION				92.00	2337	44.00	1118	65.10	1654
800A, W/6" TOP EXTENSION				92.00	2337	44.00	1118	65.10	1654
800A, W/12" BOTTOM EXTENSION				98.00	2489	44.00	1118	65.10	1654
800A, W/12" TOP EXTENSION				98.00	2489	44.00	1118	65.10	1654
800A, W/14" WIDE EXTENSION				86.00	2184	58.00	1473	65.10	1654

NOTE: UTILIZATION OF 600KCMIL REQUIRES IN USE OF A 6" BOTTOM EXTENSION

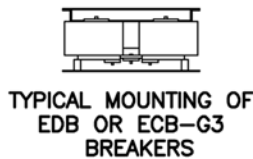
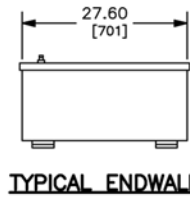
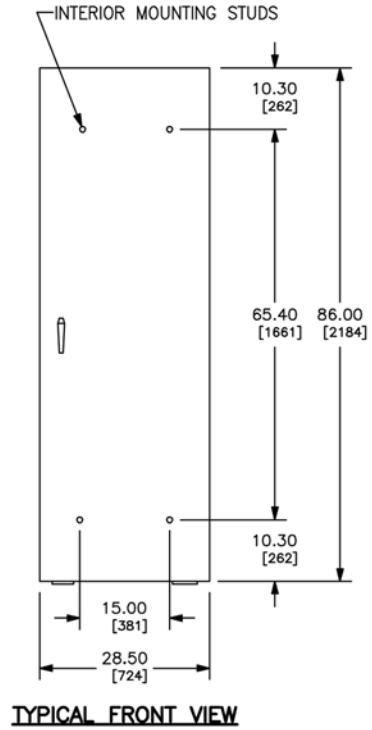
DWG# PBA805



# I-Line™ Combo Panelboard Enclosure Dimensions



**Typical Mounting of BD, BG, BJ, BK,  
FA, FH, HD, HG, HJ, HL, HR,  
JD, JG, JJ, JL JR, LA, LD, LG, LJ, LL, LR, MG, MJ,  
PG, PJ, PK, PL, QB, QD, QG, QJ Circuit Breakers**



I-LINE COMBO PANELBOARDS MEET THE APPLICABLE REQUIREMENTS OF UL AND CSA.

BOX: GRAY BAKED ENAMEL FINISH ELECTRODEPOSITED OVER CLEANED PHOSPHATIZED STEEL. INCLUDES HINGED COVER. MOUNTS TO WALL WITH MOUNTING CHANNEL AND SWINGABLE MOUNTING BRACKET.

LOCK: CHROME-PLATED HANDLE LOCK. NSR-251 KEY CHANGE. NO PROVISIONS FOR PADLOCK.

■ REFER TO DP CATALOG CLASS 2110 FOR ADDITIONAL INFORMATION.

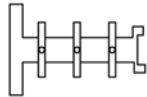
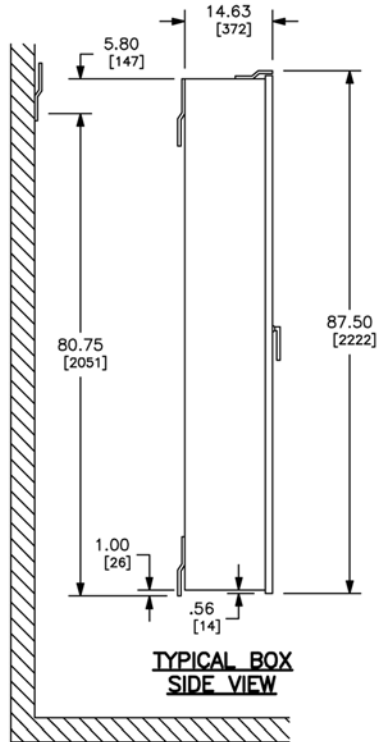
FOR NEMA TYPE 3R/12 ENCLOSURE FOR THE I-LINE COMBO PANELBOARD.

DUAL DIMENSIONS: INCHES  
MILLIMETERS

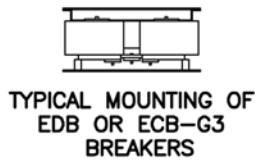
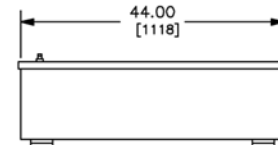
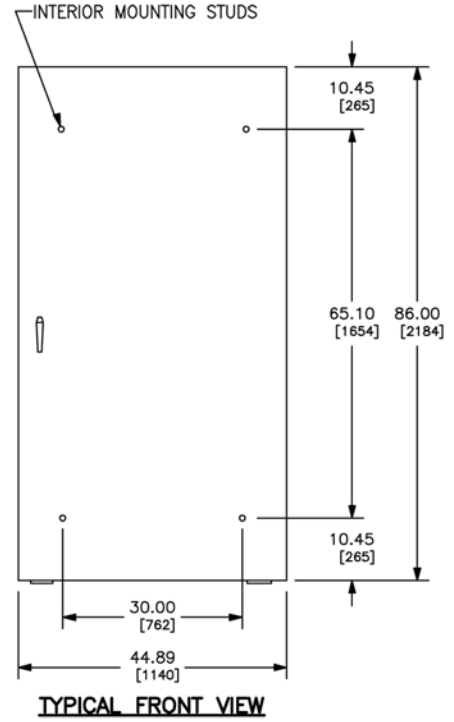
MAXIMUM MLO OR BACK FEED MAIN AMPERE RATING	INCHES OF I-LINE MOUNTING SPACE	NUMBER OF LIGHTING PANEL CIRCUITS
600A	18	30 42

DWG# PBA850

# I-Line™ Combo Panelboard Enclosure Dimensions



**Typical Mounting of BD, BG, BJ, BK, FA, FH, HD, HG, HJ, HL, HR, JD, JG, JJ, JL JR, LA, LD, LG, LJ, LL, LR, MG, MJ, PG, PJ, PK, PL, QB, QD, QG, QJ Circuit Breakers**



I-LINE COMBO PANELBOARDS MEET THE APPLICABLE REQUIREMENTS OF UL AND CSA.

BOX: GRAY BAKED ENAMEL FINISH ELECTRODEPOSITED OVER CLEANED PHOSPHATIZED STEEL. INCLUDES HINGED COVER. MOUNTS TO WALL WITH MOUNTING CHANNEL AND SWINGABLE MOUNTING BRACKET.

LOCK: CHROME-PLATED HANDLE LOCK. NSR-251 KEY CHANGE. NO PROVISIONS FOR PADLOCK.

■ REFER TO DP CATALOG CLASS 2110 FOR ADDITIONAL INFORMATION.

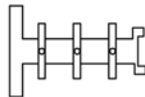
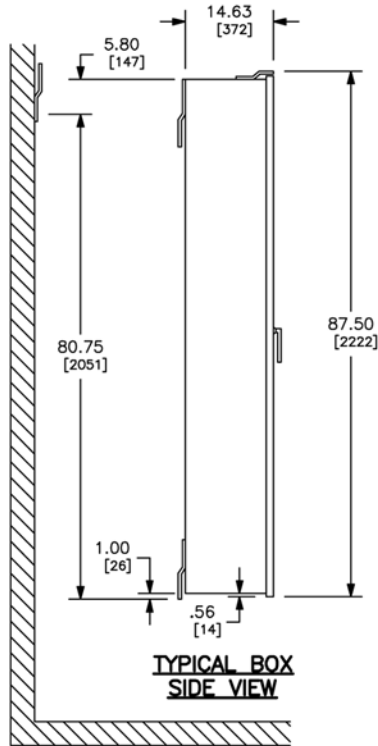
FOR NEMA TYPE 3R/12 ENCLOSURE FOR THE I-LINE COMBO PANELBOARD.

DUAL DIMENSIONS: INCHES MILLIMETERS

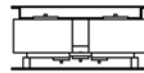
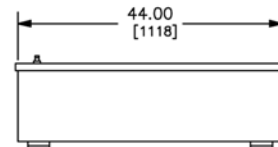
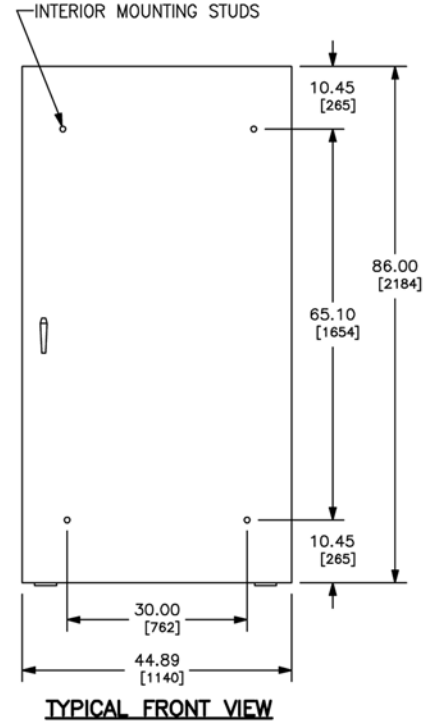
MAXIMUM AMPERE RATING	I-LINE MOUNTING SPACE	NUMBER OF LIGHTING CIRCUITS	
		LEFT	RIGHT
800	31.5	54	30
		42	42

DWG# PBA853

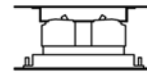
# I-Line™ Combo Panelboard Enclosure Dimensions



**Typical Mounting of BD, BG, BJ, BK, FA, FH, HD, HG, HJ, HL, HR, JD, JG, JJ, JL JR, LA, LD, LG, LJ, LL, LR, MG, MJ, PG, PJ, PK, PL, QB, QD, QG, QJ Circuit Breakers**



**TYPICAL MOUNTING OF EDB OR ECB-G3 BREAKERS**



**TYPICAL MOUNTING OF QO OR QOB BREAKERS**

I-LINE COMBO PANELBOARDS MEET THE APPLICABLE REQUIREMENTS OF UL AND CSA.

BOX: GRAY BAKED ENAMEL FINISH ELECTRODEPOSITED OVER CLEANED PHOSPHATIZED STEEL. INCLUDES HINGED COVER. MOUNTS TO WALL WITH MOUNTING CHANNEL AND SWINGABLE MOUNTING BRACKET.

LOCK: CHROME-PLATED HANDLE LOCK. NSR-251 KEY CHANGE. NO PROVISIONS FOR PADLOCK.

■ REFER TO DP CATALOG CLASS 2110 FOR ADDITIONAL INFORMATION.

FOR NEMA TYPE 3R/12 ENCLOSURE FOR THE I-LINE COMBO PANELBOARD.

DUAL DIMENSIONS: INCHES  
MILLIMETERS

MAXIMUM AMPERE RATING	I-LINE MOUNTING SPACE	NUMBER OF LIGHTING CIRCUITS	
		LEFT	RIGHT
800A	31.5	42	OPTIONAL MOUNTING SPACE

DWG# PBA854

Replacement Parts

I-Line Combo Panelboard Replacement Master Deadfront Assembly

Unit Size	Unit Assembly or Catalog Number	Replacement Deadfront Catalog Number
26 in. (660 mm) wide	CP118864N4Q4C	RPCP118864N4Q4
	CP118866N4Q6C	RPCP118864N4Q6
	CP18864N3Q2C	RPLCP18864N3Q2C
	CP18864N3Q2	RPLCP18864N3Q2
	CP18864N4Q2C	RPLCP18864N4Q2C
	CP18864N4Q2	RPLCP18864N4Q2
	CP18864N3F2C	RPLCP18864N3F2C
	CP18864N3F2	RPLCP18864N4F2
	CP18864N4F2C	RPLCP18864N4F2C
	CP18864N4F2	RPLCP18864N4F2
	CP18866N3Q4C	RPLCP18866N3Q4C
	CP18866N4Q4C	RPLCP18866N4Q4C
	CP18866N3F4C	RPLCP18866N3F4C
	CP18866N4F4C	RPLCP18866N4F4C
	32 in. (813 mm) wide	CP123734N3Q4C
CP123916N5Q4C		RPCP123916N5Q4
CP123916N5Q6C		RPCP123916N5Q6
CP123916N4Q4C		RPCP123916N4Q4
CP23734N3Q2C		RPLCP23734N3Q2C
CP23734N3Q2		RPLCP23734N3Q2
CP23914N4Q2C		RPLCP23914N4Q2C
CP23914N4Q2		RPLCP23914N4Q2
CP23914N5Q2C		RPLCP23914N5Q2C
CP23914N5Q2		RPLCP23914N5Q2
CP23734N3F2C		RPLCP23734N3F2C
CP23734N3F2		RPLCP23734N3F2
CP23914N4F2C		RPLCP23914N4F2C
CP23914N4F2		RPLCP23914N4F2
CP23914N5F2C		RPLCP23914N5F2C
CP23914N5F2		RPLCP23914N5F2
CP23736N3Q4C		RPLCP23736N3Q4C
CP23916N4Q4C		RPLCP23916N4Q4C
CP23916N5Q4C		RPLCP23916N5Q4C
44 in. (1118 mm) wide		CP23736N3F4C
	CP23916N4F4C	RPLCP23916N4F4C
	CP23916N5F4C	RPLCP23916N5F4C
	CP23916N4Q4C	RPCP23916N4Q4C
	CP23916N5Q4C	RPCP23916N5Q4C
	CP132866N44Q6C	RPCP132866N44Q6
	CP132868N44Q6C	RPCP132868N44Q6
	CP132868N4BQ6C	RPCP132868N4BQ6
	CP32866N44Q4C	RPCP32866N44Q4C
	CP32866N53Q4C	RPCP32866N53Q4C
	CP32866N4BQ4C	RPCP32866N4BQ4C
	CP32866N44F4C	RPCP32866N44F4C
	CP32866N53F4C	RPCP32866N53F4C
	CP32866N4BF4C	RPCP32866N4BF4C
	CP32868N44Q6C	RPCP32868N44Q6C
CP32868N53Q6C	RPCP32868N53Q6C	
CP32868N3BQ6C	RPCP32868N3BQ6C	
CP32868N4BQ6C	RPCP32868N4BQ6C	
CP32868N5BQ6C	RPCP32868N5BQ6C	
CP32868N44F6C	RPCP32868N44F6C	
CP32868N53F6C	RPCP32868N53F6C	

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[www.schneider-electric.ca](http://www.schneider-electric.ca)

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