

Data Bulletin

Replaces 2120DB0201R4/07, dated 5/2007

I-Line[®] OEM Panelboard Interiors

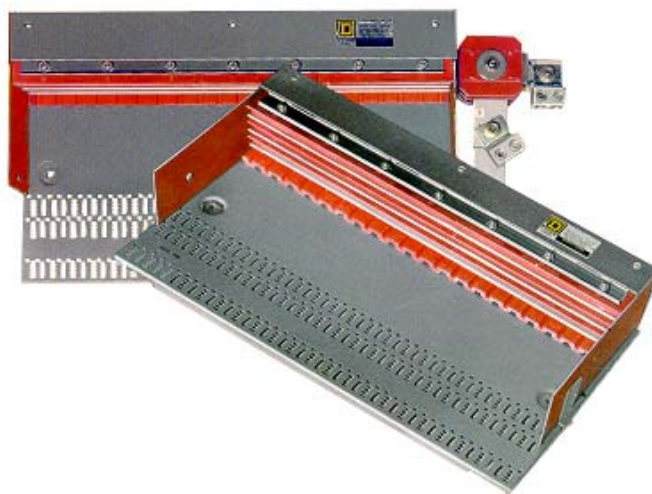
Flexible for Small and Large Applications

Class 2120

Retain for future use.

Designed for Immediate Use in Most Applications

I-Line[®] panelboard interiors from Schneider Electric are designed for immediate use in a multitude of original equipment manufacturers' (OEMs') applications. They are versatile, time-proven panels—built with traditional Schneider Electric quality. I-Line OEM panels are great for the small panel builder or the large equipment manufacturer.



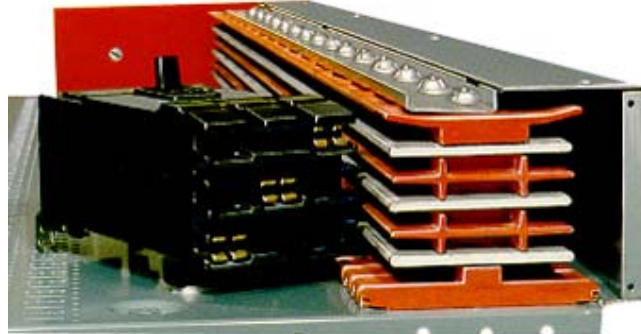
Application Information

Service	600 Vac Maximum, 250 Vdc Maximum
Mains	1000 A Maximum—Main Lugs 800 A Maximum—With Main Breaker
Branches	Molded Case Circuit Breakers FY, FA, FH, HD, HG, HJ, HL, FI, QB, QD, QG, QJ, JD, JG, JJ, JL, Q4, LA, LH, LC, LE, LX, MG, MJ, PG, PK, PJ, or PL 15–100 A; 1-pole 15–800 A; 2- and 3-pole Current-Limiting Circuit Breakers FI, KI, LI 20–600 A; 2- and 3-pole
Terminals	Underwriters Laboratories [®] (UL [®]) Listed for the type of wire specified
Federal Specifications	W-P-115b Type 1, Class 1 W-C 375B (Circuit Breakers)
NEMA Standards	NEMA PB-1
UL Standards	UL 67 Panelboards UL Component Recognized UL Listed Short-Circuit Current Rating (SCCR) (Integrated Equipment Rating) UL 489 Circuit Breakers
Order Point	Peru Plant

Features and Benefits

I-Line Bus Stack

The I-Line panelboard gets its name from its unique single vertical main bus stack. Plated bus bars are supported continuously by molded polyester glass insulators. A large base insulator of the same material aligns with and supports branch breakers. The bus bar stack is held together securely between continuous steel channels with steel bolts jacketed in high dielectric strength, impact-resistant polycarbonate. The mounting design allows simple circuit breaker installation.



Circuit Breakers

All I-Line circuit breakers have integral connectors with absolutely no hardware to assemble. The connection, or plug-on jaws are of a “blow-on” design and permanently fastened to the line end of the circuit breaker. So, they grip the bus bar more firmly during fault conditions.

Choose from a variety of circuit breakers:

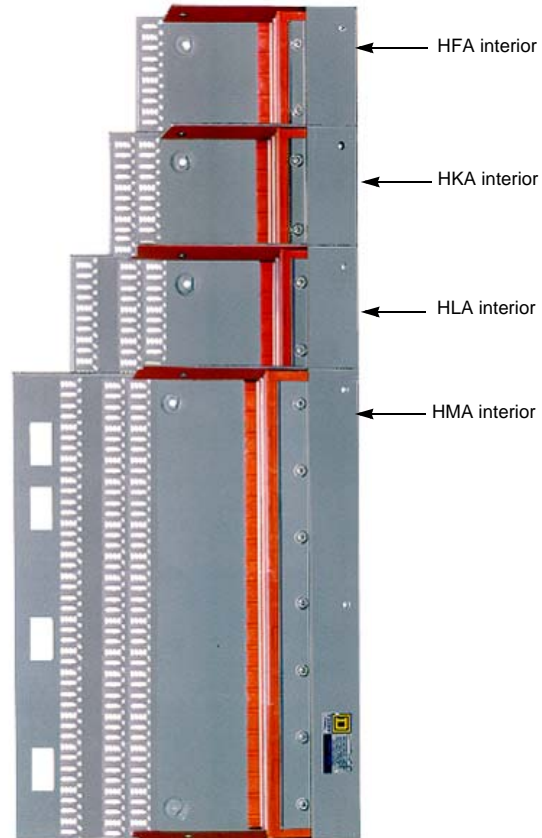


Circuit Breaker Type	Description
Micrologic™ Trip	The Powerpact® P-frame circuit breakers with Micrologic Trip have microprocessor-controlled adjustments for long-time, short-time and instantaneous trip, and optional ground-fault tripping protection. These circuit breakers are available 80% or 100% rated.
High Interrupting	High interrupting circuit breakers are available in 100–800 A frame sizes to provide circuit protection on systems with up to 50,000 AIC at 480 V.
I-Limiter®	I-Limiter circuit breakers in 100, 250, and 400 A frame sizes are designed for downstream fault current limitation and can be used on systems having up to 200,000 AIC at 480 V.
Thermal-Magnetic	Standard trip breakers come in frame sizes from 100–800 A. All I-Line circuit breakers have “user-friendly” information written clearly on the front.

Panelboard Interiors

I-Line OEM panelboard interiors are designed to meet the specific needs of OEM customers by truly allowing the freedom of “custom-designing” a panel to suit a specific application. They are the simplest to mount, with pre-tapped mounting holes for channel or pan mounting.

I-Line OEM panels are interiors only. They do not come with boxes, deadfronts, or covers. They are single-sided, come with or without main lugs, and any branch device can be mounted in any position on the panel bus.



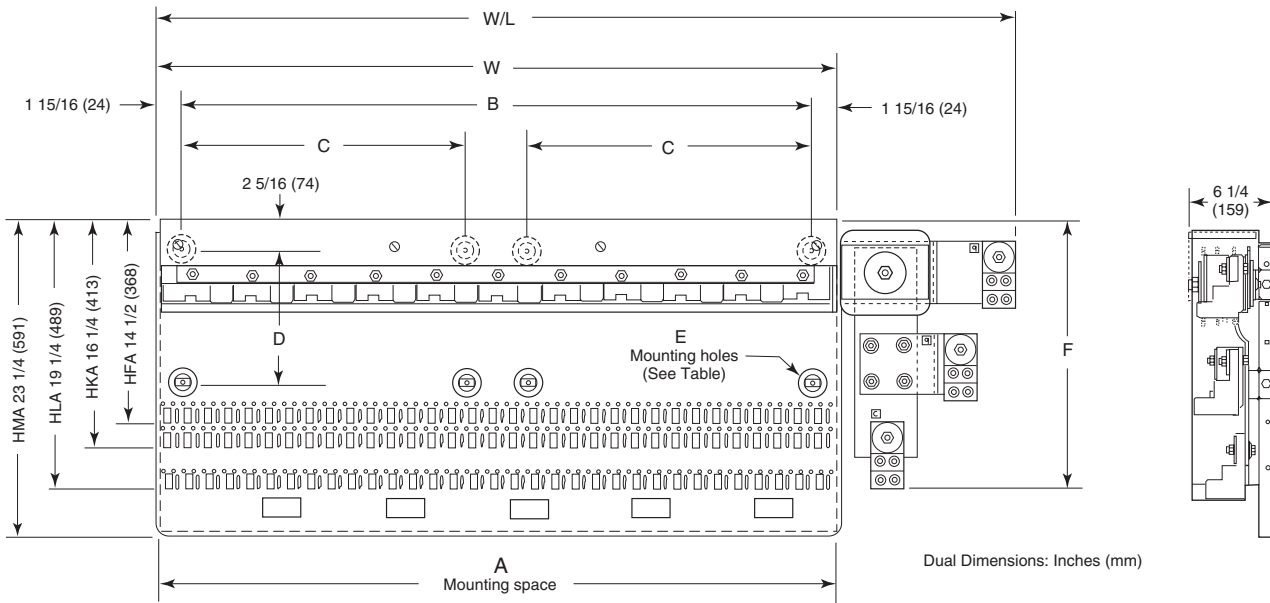
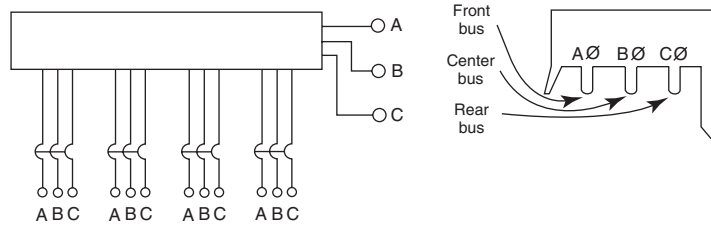
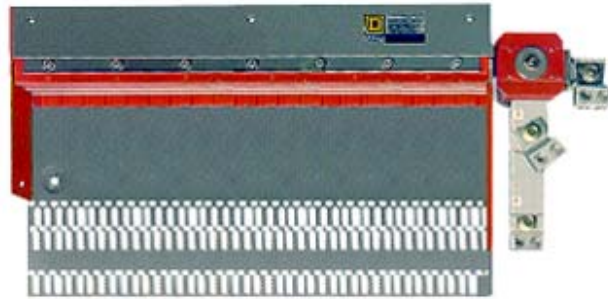
Choose from the following types of panelboard interiors:

Panelboard Interior Type	Bus Ratings/Circuit Breakers
HFA	Bus rating of 400 A at 600 V accommodates up to 150 A trip circuit breakers, or up to 225 A circuit breakers at 240 Vac
HKA	Bus rating of 400 A accommodates up to 250 A trip circuit breakers at 600 V
HLA	Bus rating of 400 A accommodates up to 400 A trip circuit breakers at 600 V
HMA	Bus ratings of 600, 800, and 1000 A accommodate up to 800 A trip circuit breakers at 600 V

Wiring Diagrams and Dimensions

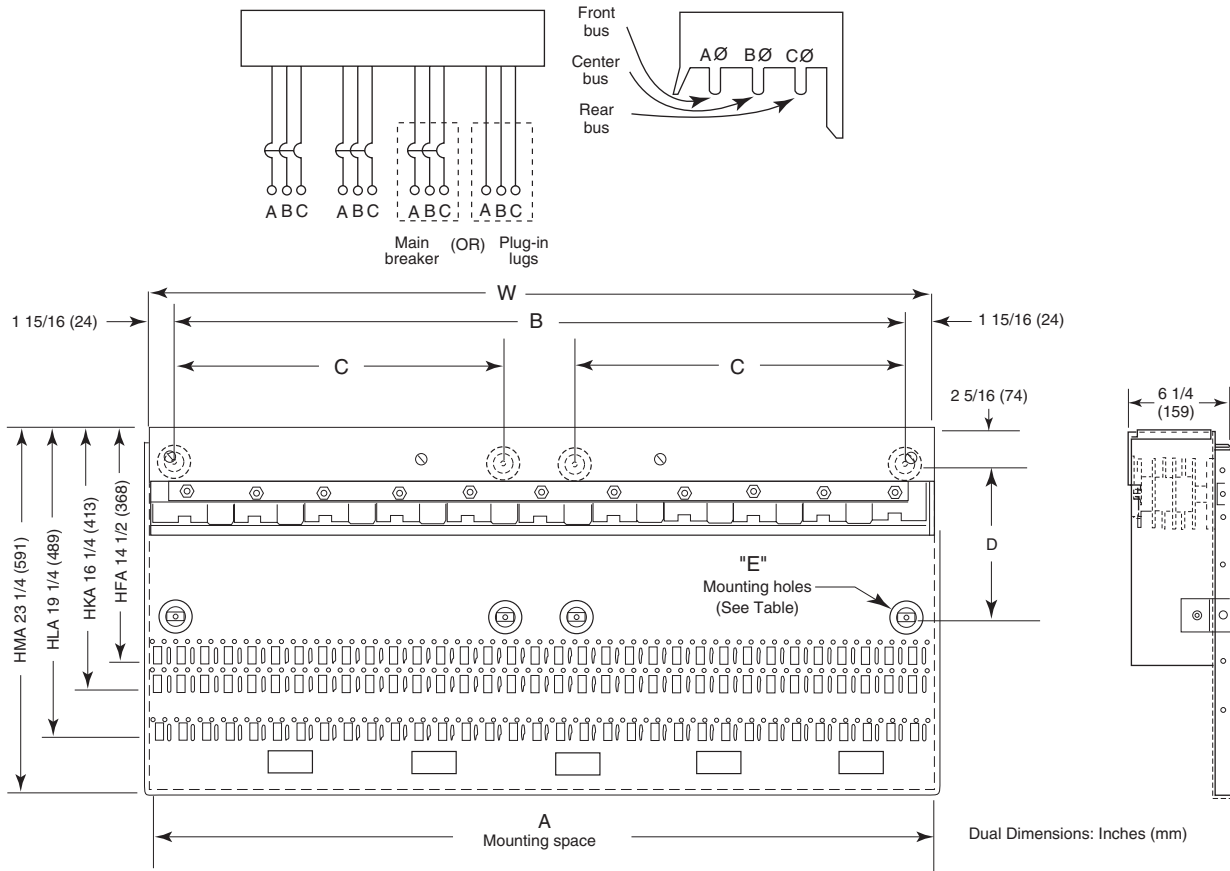
I-Line OEM panels are available in the following circuit breaker mounting space increments: 22.50 in. (572 mm), 31.50 in. (800 mm), 49.50 in. (1257 mm), and 67.50 in. (1715 mm). All panels are 6.25-in. (159 mm) deep. Lugs and connectors are available for incoming cables. The lugs can be positioned to accommodate top, bottom, or side feed of cables.

With Main Lugs



Catalog Number	Mains Amp. Rating	Branch Mounting Space A IN (mm)	Circuit Breaker Type	W IN (mm)	W/L IN (mm)	B IN (mm)	C IN (mm)	D IN (mm)	E IN (mm)	F IN (mm)
HFA225SL4	400	22.50 (572)	FY, FA, FH, HD, HG, HJ, HL, QB, QD, QG, QJ	23.38 (594)	31.50 (800)	19.50 (495)	—	8.75 (222)	4.00 (102)	15.88 (403)
HFA315SL4	400	31.50 (800)		32.38 (822)	40.50 (1029)	28.50 (724)	—	8.75 (222)	4.00 (102)	15.88 (403)
HFA495SL4	400	49.50 (1257)		50.38 (1280)	58.50 (1486)	46.50 (1181)	21.00 (533)	8.75 (222)	8.00 (203)	15.88 (403)
HFA675SL4	400	67.50 (1715)		68.38 (1737)	76.50 (1943)	64.50 (1638)	30.00 (762)	8.75 (222)	8.00 (203)	15.88 (403)
HKA225SL4	400	22.50 (572)	FY, FA, FH, HD, HG, HJ, HL, FI, QB, QD, QG, QJ, JD, JG, JJ, JL, KI	23.38 (594)	31.50 (800)	19.50 (495)	—	8.75 (222)	4.00 (102)	15.88 (403)
HKA315SL4	400	31.50 (800)		32.38 (822)	40.50 (1029)	28.50 (724)	—	8.75 (222)	4.00 (102)	15.88 (403)
HKA495SL4	400	49.50 (1257)		50.38 (1280)	58.50 (1486)	46.50 (1181)	21.00 (533)	8.75 (222)	8.00 (203)	15.88 (403)
HKA675SL4	400	67.50 (1715)		68.38 (1737)	76.50 (1943)	64.50 (1638)	30.00 (762)	8.75 (222)	8.00 (203)	15.88 (403)
HLA225SL4	400	22.50 (572)	FY, FA, FH, HD, HG, HJ, HL, FI, QB, QD, QG, QJ, JD, JG, JJ, JL, KI, Q4, LA, LH, LC, LX, LE, LI, MG, MJ, PG, PJ, PK, PL	23.38 (594)	31.50 (800)	19.50 (495)	—	8.75 (222)	4.00 (102)	15.88 (403)
HLA315SL4	400	31.50 (800)		32.38 (822)	40.50 (1029)	28.50 (724)	—	8.75 (222)	4.00 (102)	15.88 (403)
HLA495SL4	400	49.50 (1257)		50.38 (1280)	58.50 (1486)	46.50 (1181)	21.00 (533)	8.75 (222)	8.00 (203)	15.88 (403)
HMA225SL8	800	22.50 (572)	FY, FA, FH, HD, HG, HJ, HL, FI, QB, QD, QG, QJ, JD, JG, JJ, JL, KI, Q4, LA, LH, LC, LX, LE, LI, MG, MJ, PG, PJ, PK, PL	23.38 (594)	36.38 (924)	19.50 (495)	—	9.75 (248)	4.00 (102)	19.88 (505)
HMA315SL8	800	31.50 (800)		32.38 (822)	45.38 (1153)	28.50 (724)	—	9.75 (248)	4.00 (102)	19.88 (505)
HMA495SL8	800	49.50 (1257)		50.38 (1280)	63.38 (1610)	46.50 (1181)	21.00 (533)	9.75 (248)	8.00 (203)	19.88 (505)
HMA675SL8	800	67.50 (1715)		68.38 (1737)	81.38 (2067)	64.50 (1638)	30.00 (762)	9.75 (248)	8.00 (203)	19.88 (505)
HMA315SL10	1000	31.50 (800)		32.38 (822)	45.38 (1153)	28.50 (724)	—	9.75 (248)	4.00 (102)	19.88 (505)
HMA495SL10	1000	49.50 (1257)		50.38 (1280)	63.38 (1610)	46.50 (1181)	21.00 (533)	9.75 (248)	8.00 (203)	19.88 (505)
HMA675SL10	1000	67.50 (1715)		68.38 (1737)	81.38 (2067)	64.50 (1638)	30.00 (762)	9.75 (248)	8.00 (203)	19.88 (505)

Without Main Lugs



Catalog Number	Mains Amp. Rating	Branch Mounting Space A IN (mm)	Circuit Breaker Type	W IN (mm)	B IN (mm)	C IN (mm)	D IN (mm)	E IN (mm)
HFA225S4	400	22.50 (572)	FY, FA, FH, HD, HG, HJ, HL, QB, QD, QG, QJ	23.38 (594)	19.50 (495)	—	8.75 (222)	4.00 (102)
HFA315S4	400	31.50 (800)		32.38 (822)	28.50 (724)	—		4.00 (102)
HFA495S4	400	49.50 (1257)		50.38 (1280)	46.50 (1181)	21.00 (533)		8.00 (203)
HFA675S4	400	67.50 (1715)		68.38 (1737)	64.50 (1638)	30.00 (762)		8.00 (203)
HKA225S4	400	22.50 (572)	FY, FA, FH, HD, HG, HJ, HL, FI, QB, QD, QG, QJ, JD, JG, JJ, JL, KI	23.38 (594)	19.50 (495)	—	8.75 (222)	4.00 (102)
HKA315S4	400	31.50 (800)		32.38 (822)	28.50 (724)	—		4.00 (102)
HKA495S4	400	49.50 (1257)		50.38 (1280)	46.50 (1181)	21.00 (533)		8.00 (203)
HKA675S4	400	67.50 (1715)		68.38 (1737)	64.50 (1638)	30.00 (762)		8.00 (203)
HLA225S4	400	22.50 (572)	FY, FA, FH, HD, HG, HJ, HL, FI, QB, QD, QG, QJ, JD, JG, JJ, JL, KI, Q4, LA, LH, LX, LE, MG, MJ, PG, PJ, PK, PL	23.38 (594)	19.50 (495)	—	8.75 (222)	4.00 (102)
HLA315S4	400	31.50 (800)		32.38 (822)	28.50 (724)	—		4.00 (102)
HLA495S4	400	49.50 (1257)		50.38 (1280)	46.50 (1181)	21.00 (533)		8.00 (203)
HMA315S8	800	31.50 (800)	FY, FA, FH, HD, HG, HJ, HL, FI, QB, QD, QG, QJ, JD, JG, JJ, JL, KI, Q4, LA, LH, LC, LX, LE, LI, MG, MJ, PG, PJ, PK, PL	32.38 (822)	28.50 (724)	—	9.75 (248)	4.00 (102)
HMA495S8	800	49.50 (1257)		50.38 (1280)	46.50 (1181)	21.00 (533)		8.00 (203)
HMA675S8	800	67.50 (1715)		68.38 (1737)	64.50 (1638)	30.00 (762)		8.00 (203)

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