



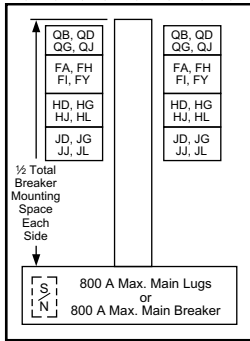
**Table 9.97: RTI Cabled Lighting Section Kit for I-Line Combo Panelboard**

Part Number	Description	MLO Panelboard Ampacity	Lighting Section Type	Lighting Section Circuits
NFICRT418L1C	NF Lighting Section Kit	125	NF	18 dual
NFICRT442L2C	NF Lighting Section Kit	250	NF	42
NFICRT442L4C	NF Lighting Section Kit	400	NF	42
NFICRT442L6C	NF Lighting Section Kit	600	NF	42
NQICRT418L1C	NQ Lighting Section Kit	100	NQ	18 dual
NQICRT442L2C	NQ Lighting Section Kit	225	NQ	42
NQICRT442L4C	NQ Lighting Section Kit	400	NQ	42
NQICRT442L6C	NQ Lighting Section Kit	600	NQ	42
NQICRT418C1C	Contactor with 18 Circuit NQ Lighting Section Kit	100	NQ	18
NFICRT418C1C	Contactor with 18 Circuit NF Lighting Section Kit	125	NF	18

**I-Line Panelboard**

**TYPE HCM**

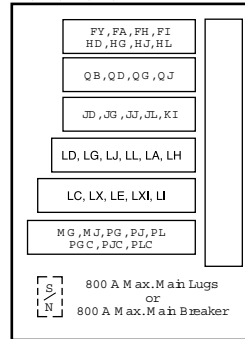
250 A max. branch circuit breaker  
FA, FH, FY, FI, QB, QD, QG, QJ, HD, HG, HJ, HL, JD, JG, JJ, JL



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

**TYPE HCP-SU [2]**

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 [3], QB, QD, QG, QJ, HD, HG, HJ, HL, JD, JG, JJ, JL



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

**Table 9.98: Interiors, Boxes and Fronts**

Total Circuit Breaker Mounting Space (In.)	Mains Ampere Rating	Interior Assembly (Less Branch Circuit Breakers)	Front [4]		Box [5]		Box Height (In.)
			4 Piece Trim Without Door	Trim With Door [6]	Type 1	NEMA 3R/5/12 [7] (Includes Front)	
			Catalog Number	Catalog Number	Catalog Number	Catalog Number	
<b>HCM Main Lugs Only</b>							
<b>3-pole—Suitable for use as service equipment when provided with a main circuit breaker. [8]</b>							
27	225 A	HCM14482N	HCM48T()	HCM48T()D	HC3248B	HC3248WP	48
	400 A	HCM14484					
	600 A	HCM14486					
	800 A	HCM14488					
45	225 A	HCM23642N	HCM64T()	HCM64T()D	HC3264B	HC3264WP	64
	400 A	HCM23644					
	600 A	HCM23646					
	800 A	HCM23648					
63	225 A	HCM32732N	HCM73T()	HCM73T()D	HC3273B	HC3273WP	73
	400 A	HCM32734					
	600 A	HCM32736					
	800 A	HCM32738					
99	225 A	HCM50912N	HCM91T()	HCM91T()D	HC3291B	HC3291WP	91
	400 A	HCM50914					
	600 A	HCM50916					
	800 A	HCM50918					

**HCM Main Circuit Breaker [9] [10]**  
Includes 3-pole, vertically mounted main circuit breaker—Suitable for use as service equipment.

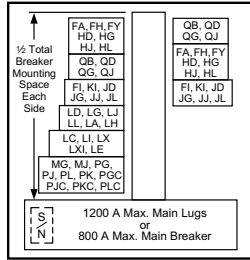
[2] For main circuit breaker panel, order plug-on I-Line type PG, PJ, PL, MG, or MJ circuit breakers from 9–47 through 9–48 and backfeed as the main breaker (order solid neutral from 9–37).  
 [3] PG, PJ, PL circuit breakers are available with both thermal-magnetic equivalent and Micrologic trip. The Micrologic circuit breakers are available 80% and 100% rated. "C" suffix denotes a 100% rating.  
 [4] Add "F" for flush mount, "S" for surface mount.  
 [5] 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.  
 [6] For Type 1 applications order interior, trim and box. For type 3R/5/12, order interior and box only.  
 [7] Remove drain screws for Type 3R rating.  
 [8] 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.  
 [9] Bottom feed standard.  
 [10] Circuit breaker interrupt ratings, see the tables starting on page 7-29.

Table 9.98 Interiors, Boxes and Fronts (cont'd.)

Total Circuit Breaker Mounting Space (In.)	Mains Ampere Rating	Interior Assembly (Less Branch Circuit Breakers)	Front [4]		Box [5]		Box Height (In.)
			4 Piece Trim Without Door	Trim With Door[6]	Type 1	NEMA 3R/5/12 [7] (Includes Front)	
			Catalog Number	Catalog Number	Catalog Number	Catalog Number	
27	400 A	HCM14644M	HCM64T()	HCM64T()D	HC3264B	HC3264WP	64
36	225 A	HCM18642MN	HCM73T()	HCM73T()D	HC3273DB9[11]	Use HCP	—
	600 A	HCM18736MP					
45	800 A	HCM18738MP	HCM73T()	HCM73T()D	HC3273B	HC3273WP	73
	400 A	HCM23734M					
54	225 A	HCM27732MN	HCM91T()	HCM91T()D	HC3291DB9[11]	Use HCP	—
72	600 A	HCM36916MP	HCM91T()	HCM91T()D	HC3291B	HC3291WP	91
	800 A	HCM36918MP					
81	400 A	HCM41914M	HCM91T()	HCM91T()D	HC2686DB	HC2886WP	86
HCP-SU [12] Universal Single Row Main Lugs or Main Circuit Breaker [13] 3-pole—Suitable for use as service equipment when provided with a main circuit breaker. [14]							
54	800	HCP54868SU	HC2686T()J4P	HC2686T()JHR[15]	HC2686DB	HC2886WP	86

**TYPE HCP**

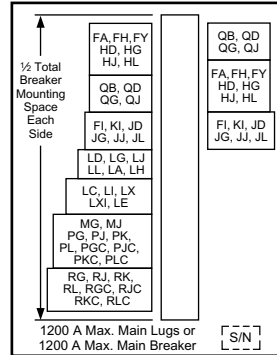
800 A max. branch circuit breaker  
FA [16], FH, FI, FY, QB, QD, QG, QJ, HD, HG, HJ, HL, JD, JG, JJ, JL, KI, LA, LD, LG, LJ, LL, LH, LC, LI, LX, LXI, LE, MG, MJ, PG, PJ, PL, PGC, PJC, PLC [17]



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

**TYPE HCR-U Universal Mains**

1200 A max. branch circuit breaker  
FA [18], 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 [19] [17]



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

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	3	4.5
FA, FH	100 A	1	1.5	JD, JG, JJ, JL, KI, SL250	250	2, 3	4.5
FA, FH		2	3	LA, LH, SL400	400		6
FA, FH, SL-100		3	4.5	LD, LG, LJ, LL	600		6
FI		2, 3	4.5	LC, LI, LXI	600		7.5
HD, HG		150 A	2	3	MG, MJ, MA, MH, SL800, PGC, PJC, PLC		800
HD, HG	3	4.5					
HJ, HL		2, 3	4.5	PG, PJ, PL, S33931	1200		
QO, QD, QG, QJ	225 A	2	3	RG, RJ, RL, RGC, RJC, RLC, S33930	1200		15

[4] Add "F" for flush mount, "S" for surface mount.

[5] 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.

[6] For Type 1 applications order interior, trim and box. For type 3R/5/12, order interior and box only.

[7] Remove drain screws for Type 3R rating.

[11] DB9 box is 9.5 inches deep.

[12] For main lugs panel, order sub-feed lug kit and back-feed as main lugs.

[13] Circuit breaker interrupt ratings, see the tables starting on page 7-29.

[14] 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.

[15] Hinged trim with door.

[16] 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.

[17] 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.

[18] 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.

[19] 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.