

Table 9.59 Sub-feed Circuit Breakers for NF Panelboards^[9.59] (cont'd.)

Interior Mains Rating	Mains Type	Sub-Feed Circuit Breaker(s)			Space Factor ^[63]
		Ampacity	Poles	MCCB Frame	
400 - 800 A ^[64]	Main Circuit Breaker ^[65]	110 - 400	2, 3	One LA / LH with one H-, or J- frame	36 inches

Common Features

Table 9.60: Sub-feed (Double) Lugs (Standard Copper Mechanical Lugs)

Mains Rating	Sub-feed Lug Wire Range
125 A	(2) #6–2/0 AWG Al or Cu
250 A	two 1/0 AWG–350 kcmil or one 1/0 AWG–750 kcmil Al or Cu
400 A	(2) 1/0 AWG–750 kcmil Cu
600 A	(4) 4/0 AWG–500 kcmil Al or Cu
800 A	(6) 3/0 AWG–500 kcmil Al or Cu

Sub-feed (Double) Lugs (Standard Aluminum Mechanical Lugs): An additional mains and termination point that can be used to feed out to another panelboard or device from the incoming service lines.
Available on main lug interiors only.

Table 9.61: Sub-feed Lug Cabinet Data (Standard Aluminum Mechanical Lugs)

Max. No. of Branch Spaces	Main Lugs Enclosure Height in Inches				
	125 A	250 A	400 A	600 A	800 A ^[66]
18	26	—	—	—	—
30	32	38	50	74	80
42	—	44	56	80	86
54	—	50	62	86	92

Table 9.62: Feed-through Lugs (Standard Aluminum Mechanical Lugs)

Mains Rating	Feed-through Wire Range Wire
125 A	one #6 AWG–2/0 kcmil Al or Cu
250 A	one #6 AWG–350 kcmil Al or Cu
400 A	one 1/0 AWG–750 kcmil or two 1/0 AWG–350 kcmil Al or Cu
600 A	two 1/0 AWG–750 kcmil Al or Cu

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.

Table 9.63: Feed-through Lugs Cabinet Data (Standard Aluminum Mechanical Lugs)

Max. No. of Branch Spaces	Enclosure Height in Inches									
	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 ^[67]	Main Lugs ^[66]
18	38	32	44	—	—	—	—	—	—	—
30	44	38	50	50	62	56	68	56	74	56
42	—	—	—	56	68	62	74	62	80	62
54	—	—	—	62	74	68	80	68	86	68

Table 9.64: NF Equipment Ground Bar Kits^[68]

Interior Rating	Circuit Count	Aluminum	Copper	Ground Bar Insulator Kit
125 A / 250 A	18	PK12GTA	PK27GTACU	PKGTAB
	30	PK18GTA		
	42, 54	PK23GTA		
250 A	66 and Split Bus	PK27GTA		
400 A / 600 A	All	PK27GTA		

Table 9.65: Name Plates

Name Plates
Standard white face/black letter laminated bakelite, 1 in. x 3.5 in., adhesive-backed or screw mountable with screws in a bag assembly

Table 9.66: NF Panelboard Neutral Assembly Options (Standard Width Enclosures)

Interior Mains Rating	Mains Type			Load End Options		100% Neutrals		200% Neutrals	
	MLO	MB	SFL	FTL	SFB	Aluminum	Copper	Aluminum	Copper
125 A	Y	Y	Y	Y	N/A	Standard	NFN1CU	NFN1	Factory Assembled Only
250 A	Y	Y	Y	Y	Y		NFN2CU	NFN2	
400 A	Y	Y	Y	Y	Y		NFN6CU	NFN4	
600 A	Y	Y	Y	Y	Y				
800 A	Y	Y	Y	Y	Y	Factory Assembled Only	Factory Assembled Only	Factory Assembled Only	

^[63] Space Factor is the length required for sub-feed circuit breaker. Please reference Product Selector output for panelboard enclosure dimensions.

^[64] NF Panelboards with LA / LH sub-feed circuit breakers are shipped fully assembled.

^[65] NF Panelboards with PowerPact L main circuit breaker and any sub-feed circuit breaker(s) are shipped completely assembled in 26" wide, 8.75" deep enclosures, with gutter mounted neutral assemblies.

^[66] 800 A main lug panelboards require an 8.75 in. deep and 26 in. wide box.

^[67] 600 A main circuit breaker panelboards require an 8.75 in. deep, 26 in. wide box.

^[68] One (1) PK kit supplied when ground bar is specified. Two (2) PK kits supplied when "extra" ground bar is ordered.