

NF Column Width Lighting Panelboards Class 1670

Overview



NF column width lighting panelboards are designed for lighting panel applications in 10-in. (254 mm) H- and I-beams in industrial facilities. Mounting in beams conserves wall space and protects the panelboard. These panelboards are designed for use in ac systems; they accept EDB, EGB, and EJB branch circuit breakers up to 60 A.

NF column width lighting panelboards are designed, manufactured, and tested to comply with the following standards:

- UL 67—Standard for Panelboards; UL[®] Listed under File E33139
- UL 50—Enclosures for Electrical Equipment
- CSA C22.2, No. 29-1989—Panelboards and Enclosed Panelboards; CSA certified under File LL 1809
- NEMA PB-1—Panelboards
- NFPA 670—National Electric Code[®] (NEC[®])
- Federal Specification W-P-115C Type 1, Class 1—Circuit Breaker Panelboards

Ratings

Main lugs: 125–225 A

Main circuit breaker: 100–225 A

Table 1: Branch Circuit Breakers (Bolt-On)

Branch Breaker Prefix (1–3 pole, 15–60 A)	Short Circuit Current Rating ¹	
	@ 480Y/277 Vac	@ 600Y/347 Vac
EDB	18,000 A	14,000 A
EGB	35,000 A	18,000 A
EJB	65,000 A	25,000 A

¹ Series ratings are also available.
Canada: See the *Series Rating Guide* (data bulletin #S1600PD0302EP Rx)
USA: See *Switchboard/Panelboard Short-Circuit Current Ratings* (data bulletin #2700DB9901Rx/xx), or the Digest

Features

NF column width lighting panelboards are constructed of galvanized steel. A durable, ANSI 49 gray enamel exterior finish on the trim is standard.

NEMA Type 1 Indoor Enclosure

- 8.625 in. width x 5.625 in. depth (219 mm x 143 mm)
- Screw-mounted front
- Door with two lockable flush latches
- Interior:
 - 60 A maximum branch circuit breaker
 - Solid neutral opposite the mains
- Removable endwalls

Cable Trough

- Extendable lengths in inches (mm):
36 (914), 48 (1219), 56 (1422), 66 (1676), 84 (2134), 96 (2438),
104 (2642), and 112 (2845)
- 8.625 in. width x 5.625 in. depth (219 mm x 143 mm)
- Screw-mounted two-piece front (remove the front top piece to mount the pull box)
- Cable trough uses enclosure endwall

Pull Box (Mounts on Cable Trough)

- 20 in. width x 5.75 in. depth x 15 in. height (508 mm x 146 mm x 381 mm)
- Screw-mounted front
- Solid neutral included
- Removable top endwall with knockouts
- Removable bottom endwall without knockouts

Table 2: Main Lugs Only, Ready-to-Assemble ¹

Number of Circuits	Main Lug Rating (Max. Amperage)	3-Phase, 4-Wire Catalog Number		Height
		Box and Interior	Trim Front	
30	125 A	NF8430L1C	NC59TS	59 in. (1499 mm)
42	225 A	NF8442L2C	NC71TS	71 in. (1803 mm)

¹ Also available factory assembled.

Table 3: Main Circuit Breaker (Included), Ready-to-Assemble ¹

Number of Circuits	Main Lug Rating (Max. Amperage)	3-Phase, 4-Wire Catalog Number		Height
		Box and Interior	Trim Front	
30	100 A	NF8430M1C	NC65TS	65 in. (1651 mm)
42	225 A	NF8442M2C	NC79TS	79 in. (2007 mm)

¹ Also available factory assembled.

Table 4: Cable Troughs and Pull Box

Cable Troughs ¹		Pull Box with Solid Neutral	
Length	Catalog Number	S/N Terminals	Catalog Number
36 in. (914 mm)	NTX836	42	MPX815-42
48 in. (1219 mm)	NTX848		
56 in. (1422 mm)	NTX856		
66 in. (1676 mm)	NTX866		
84 in. (2134 mm)	NTX884		
96 in. (2438 mm)	NTX896		
104 in. (2642 mm)	NTX8104		
112 in. (2845 mm)	NTX8112		

¹ Cable troughs are standard with a trough barrier.

Schneider Electric USA
252 North Tippecanoe
Peru, IN 46970 USA
1-888-SquareD (1-888-778-2733)
www.us.SquareD.com

Schneider Electric Canada
19 Waterman Avenue
Toronto, Ontario M4B 1Y2
1-800-565-6699
www.schneider-electric.ca

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

© 1999–2008 Schneider Electric All Rights Reserved

