

# SIEMENS

## Indoor Main Feed-Thru Module

Catalog Number

Enclosure

**BFT31800B**

**Type 1**

**BFT31800BU**

**Module Rating:** 1800 Amps, Max. See main breaker for actual rating.  
**Main Bus Rating:** 1800 Amps, Max.  
**Main Horizontal Bus Rating:** 1200 Amps, Max. (1200 amp max feed per side)  
**Breaker Rating:** 1800A Max.  
 208Y/120 Volts~, 3 Phase, 4 Wire  
 240/120 Volts~, 3 Phase, 4 Wire, Delta (B Phase is High Leg)

For installation by Qualified Person in accordance with all local electrical codes and/or the National Electrical Code®

Circuit breaker trip position is indicated by handle position midway between ON and OFF. To reset, move handle to OFF position, then turn ON.

**Suitable Only For Use As Service Equipment** unless bond strap is removed. See schematic. Apply appropriate label provided next to breaker handle.

For underground service only.

### Use 75°C Copper or Aluminum Conductors.

#### Equip Ground Acc'y, Cat. No. ECLX072M

Small Terminals	Large Terminals
Wire Range / Torque	Wire Range / Torque
10-14 AWG . . . 20 lb-in	10-14 AWG . . . 35 lb-in
8 AWG . . . . . 25 lb-in	8 AWG . . . . . 40 lb-in
6 AWG . . . . . 35 lb-in	1/0-6 AWG . . . 45 lb-in

Terminals A, B, C and N: See Lug Chart on adjacent diagram for applicable lug kits, wire size and torque information.

**Ground Terminal G**  
 (Accessory Cat.# ECMLK3225):  
 Wire size #4-300 kcmil.  
 Torque terminal to 250 lb.-in.

**Accessory:**  
 ECMMGBE - Ground Bus Extension

**⚠ CAUTION**

HAZARD OF ELECTRICAL OVERLOAD. Can result in personal injury or property damage. Mains that exceed 1200 Amps are limited to a maximum of 1200 Amps exiting either side of the main device.

**Important:** Do not allow petroleum based (hydrocarbon) sprays, chemicals, solvents or any paint to contact interior components. Petroleum based chemicals can cause degradation of electrical insulating materials.

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### Lugs for Phase and Neutral Connections (not supplied)

Lug No.	①	MFG	Wire Range	Type	No. Wires per phase	Torque (lb.-in.)
LK36750N2		Siemens	300-750 kcmil	Mechanical	6	500
LK38500N2CD		Siemens	300-500 kcmil Copper	Mechanical	8	500
LK38750N2AD		Siemens	300-750 kcmil Aluminum	Mechanical	8	500
2ACL-750		ILSCO	750 kcmil	Compression	6	NA ②

- ① Order one mechanical lug kit for mains and neutral. Additional lug kit is required for feed-thru terminals. Contact lug manufacturer for compression lug quantities supplied for each kit.  
 ② See lug manufacturer's instruction sheet supplied with the connector for tool, die, and number of crimps.

### Short Circuit Current Rating

This device has a maximum short circuit current rating of 100,000 Amps RMS symmetrical at 240 Volts~. The actual short circuit current rating is limited to the interrupting rating of the circuit breaker installed. Replacement breakers must be manufactured by Siemens and must be of the correct type and rating as indicated in the table below. Use of other circuit breakers in this device will void the warranty.

Breaker Type	Rating
RXD6	65k AIC
HRXD6	100k AIC

USE ONLY NON-INTERCHANGEABLE TRIP BREAKER TYPES

**Connect Modules Using:** **Cat. No.** **Torque**  
 Quick Connect QC4 400-440 lb-in (35-36 ft.-lb.)

### IMPORTANT - for use with:

- Module . . . . . Siemens Series#**  
 Main Breakers . . . . . (W)MC, WB, WEB, WXB, BFT  
 Switches . . . . . WMP, WMS, WS, WES, WXS  
 Tap/Terminal Boxes . . . WMTB, WTB, WET, WT\_PU, WTBN, WBT  
 Pull Boxes . . . . . WMMB  
 Meter Module . . . . . (W)MM, WxMM, (W)MT, (W)ML, (W)MK, (W)MLZ(F)  
 Meter Combinations . . . WC, WCL, WCT  
 Extension Box . . . . . WMEX, WSP, WSPD  
 Busseled Elbow . . . . . BE, WELB

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### FEED-THRU

