

Rack Mount BDFB

PEC 5067



- **Protected Distribution**
Applicable circuit breakers are available in many ratings to configure the distribution as necessary
- **Circuit Breaker Options**
Plug-in style breakers as well as TPS cartridge types can be equipped
- **Up to Four Load Centers**
Single distribution as well as A & B, or A B C & D are available
- **Optional Features**
Digital metering, extended alarms, and load disconnect are optional with most configurations
- **Auxiliary Ground Bus Bar**
This optional feature provides an additional 8 connections for load returns
- **Relay Rack**
5067 BDFBs come in configurations to mount in a 23" or 19" rack
- **Options to Accommodate**
-48VDC or +24VDC Operation

Available Circuit Breaker and Fuse Sizes:

| | |
|---------------------------|----------------|
| Plug-In Style Breakers | 2.5 - 100 Amps |
| TPS Cartridge Style Fuses | 3 - 70 Amps |

Product Description

The 5067 Battery Distribution Fuse Board (BDFB) is a distribution assembly available in various heights ranging from 8 to 12 rack positions. Protection is available in two styles; plug-in circuit breakers (2.5 to 100 Amps) and TPS cartridge fuses (3 to 70 Amps). Typical depth on each BDFB is 11.5" to fit standard 12" deep rows. Options available include an auxiliary ground bar, load disconnect circuit breaker, digital metering of each load center, and alarms for monitoring each distribution bus and protection device. Each BDFB contains a standard ground bus assembly rated a 1200 Amps (List 3 is 1600 Amps).

Product Details

| List | Distribution Details | Rack Size - Width | Rack Size - Height | Voltage | Ground Bus Rating | Product Manual |
|------|---|-------------------|--------------------|---------|-------------------|----------------|
| 1 | A & B, 10 CBs per load center | 23" (584.2mm) | 8" (203.2mm) | -48VDC | 1200 Amps | 4385067PD |
| 2 | A & B, 20 CBs per load center | 23" (584.2mm) | 11" (279.4mm) | -48VDC | 1200 Amps | 4385067PD |
| 3 | A & B, 20 CBs per load center | 23" (584.2mm) | 12" (304.8mm) | -48VDC | 1600 Amps | 4385067L3PD |
| 4 | A, B, C, & D; 10 CBs per load center | 23" (584.2mm) | 11" (279.4mm) | -48VDC | 1200 Amps | 4385067L4PD |
| 24 | A & B, 20 CBs per load center | 23" (584.2mm) | 11" (279.4mm) | +24VDC | 1200 Amps | 4385067L24PD |
| 27 | A (single), 40 CBs | 23" (584.2mm) | 11" (279.4mm) | -48VDC | 1200 Amps | 4385067L27PD |
| 40 | A & B, 8 TPS fuses per load center | 23" (584.2mm) | 8" (203.2mm) | -48VDC | 1200 Amps | 4385067L40PD |
| 41 | A & B, 16 TPS fuses per load center | 23" (584.2mm) | 11" (279.4mm) | -48VDC | 1200 Amps | 4385067L40PD |
| 42 | A, B, C, & D; 8 TPS fuses per load center | 23" (584.2mm) | 11" (279.4mm) | -48VDC | 1200 Amps | 4385067L42PS |
| 47 | A & B, 10 CBs per load center | 23" (584.2mm) | 9" (228.6mm) | -48VDC | 1200 Amps | 4385067L47PD |
| 48 | A & B, 20 CBs per load center | 23" (584.2mm) | 12" (304.8mm) | -48VDC | 1200 Amps | 4385067L47PD |
| 49 | A & B, 8 CBs per load center | 19" (482.6mm) | 9" (228.6mm) | -48VDC | 1200 Amps | 4385067L47PD |
| 50 | A & B, 16 CBs per load center | 19" (482.6mm) | 12" (304.8mm) | -48VDC | 1200 Amps | 4385067L47PD |

Extended Alarms

If equipped with the optional alarm module, A and B load busses are verified to be "healthy". This module also extends an FA alarm if a protection device trips, blows, or otherwise fails. Visual notification of alarms is also provided via LEDs.

Options

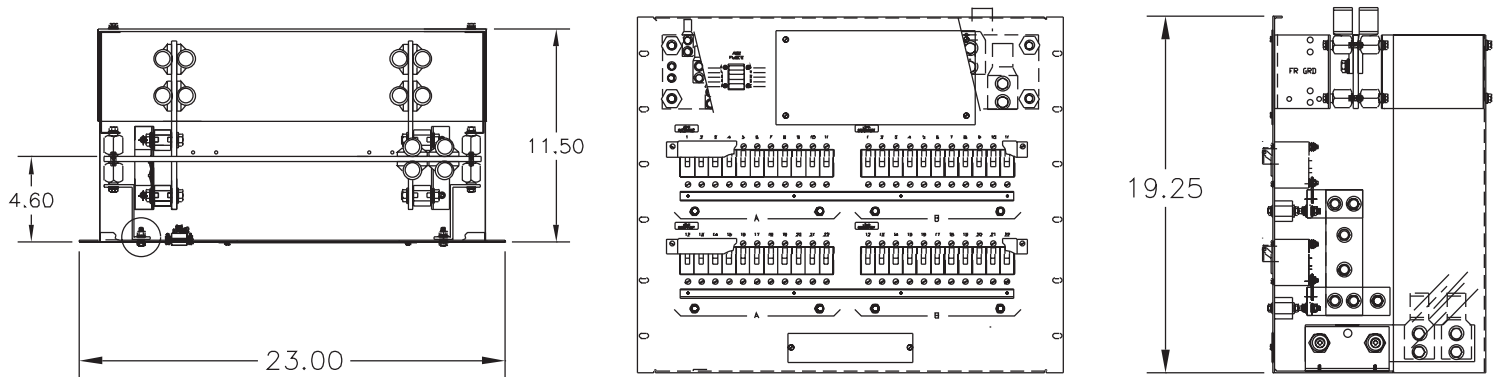
| List # | Description | PECO II Part Number |
|--------|--|---------------------|
| 5 | Digital meter for monitoring A and B distribution. For use with L1, L2, L40, L41, L47, & L48. | .6180546P-3 |
| 6 | Alarm module for A & B loads OK and fuse alarm (FA). For use with L1, L2, L40, L41, L47, & L48. | .6180546P-4 |
| 7 | Auxiliary ground bus | .4090587P-1 |
| 8 | 2 thru 100 Amp load disconnect circuit breaker for A & B distribution. For use with L1. | .6180232P-5 |
| 8A | 4 thru 100 Amp load disconnect circuit breaker for A & B distribution. For use with L2 or L4. | .6180232P-6 |
| 25 | Relay rack: 15" depth by 24.37" width by 7' height (23" mounting) | .6270329P |
| 28 | Digital meter for monitoring distribution. For use with L27. | .6180391P-1 |
| 29 | Alarm module for A load OK and fuse alarm (FA). For use with L27. | .6180391P-2 |
| 30 | 4 thru 100 Amp load disconnect circuit breaker for "A" distribution. For use with L27. | .6180391P-3 |
| 34 | 5" (127mm) depth offset bracket for use with 8 position rack | .4080824P |
| 35 | 5" (127mm) depth offset bracket for use with 9 position rack | .4080824P-3 |
| 36 | 5" (127mm) depth offset bracket for use with 11 position rack | .4080824P-1 |
| 37 | 5" (127mm) depth offset bracket for use with 12 position rack | .4080824P-2 |
| 55 | 1-position CB filler panel kit | .6420031P |
| 56 | 6-position CB filler panel kit | .6420032P |

Rack Mount BDFB

PEC 5067

Line Drawings

List 2: A & B distribution, 20 CBs per load center (shown equipped with optional load disconnect breakers)



List 40: A & B distribution, 8 TPS fuses per load center

