PowerBay+™ Half BDFB

Advanced Compact Secondary Distribution Bay

an EnerSys® company

- Modular design

- Top or bottom feed

- Internal or external returns

- 1, 2, and 4-bus configurations (field configurable)

- Up to four 800A or 1200A rated distribution panels; left and right-mount panel configurations available

- Supports AM and GJ breakers as well as TPS and TLS fuses

- Up to 88 AM breaker positions

- LCD touchscreen controller with Ethernet (HTTP, SNMP)

- Per-circuit current monitoring and RedundancyTracker™

- Unmatched safety & reliability

- Available in black or white powder coat

Alpha's PowerBay+™ Half BDFB is a modular breaker/fuse bay with industry-leading monitoring, safety, and ease-of-use features.

For space-constrained applications, Alpha's Half BDFB provides all of the advanced monitoring, safety, and cable management features of our full-size BDFB, but occupies only half the floor space. The Half BDFB uses the same modular breaker panels as the full-size BDFB and can protect up to 88 loads fed from 1, 2, or 4 busses. The bus configuration can be safely changed while the BDBF is energized, and the breaker panels can be added at anytime.

Advanced monitoring features include bus voltage, total bus current, and individual load current. Bay status can be remotely monitored via HTTP and SNMP.

PowerBay+™ Half BDFB Specifications

Electrical

Voltage:	-48VDC
Number of Busses:	1, 2, or 4
Load Current Per Bus:	960A max. continuous
Total Load Current:	3840A max.
Alarm Contacts:	Form-C, 60VDC @ 0.5A max
Circuits:	Up to 88
Maximum Input Interruption Device:	1200A

Model Configurations

Part Number		
Black	**White**	**Description**
C016-1950-10-B	**C016-1950-10-W**	Half BDFB; Single Bus; Four 800A AM Breaker Panels Per Bus; Internal Returns; Left Mount
C016-1951-10-B	C016-1951-10-W	Half BDFB; Dual Bus; Two 800A AM Breaker Panels Per Bus; Internal Returns; Left Mount
C016-1952-10-B	C016-1952-10-W	Half BDFB; Quad Bus; One 800A AM Breaker Panel Per Bus; Internal Returns; Left Mount
C016-1953-10-B	**C016-1953-10-W**	Half BDFB; Single Bus; Four 800A AM Breaker Panels Per Bus; *w/o* Internal Returns; Left Mount
C016-1954-10-B	C016-1954-10-W	Half BDFB; Dual Bus; Two 800A AM Breaker Panels Per Bus; *w/o* Internal Returns; Left Mount
C016-1955-10-B	C016-1955-10-W	Half BDFB; Quad Bus; One 800A AM Breaker Panel Per Bus; *w/o* Internal Returns; Left Mount
C016-1957-10-B	C016-1957-10-W	Half BDFB; Dual Bus; Two 800A AM Breaker Panels Per Bus; Internal Returns; Right Mount
C016-1964-10-B	C016-1964-10-W	Half BDFB; Quad Bus; No Breaker Panels; *w/o* Internal Returns; Left Mount
C016-1963-10-B	C016-1963-10-W	Half BDFB; Quad Bus; No Breaker Panels; *w/o* Internal Returns; Right Mount

Mechanical

Dimensions L x H x D (in/mm):	14.5 x 84 x 28 / 368 x 2134 x 711
Weight (lb/kg):	600 / 272

Environmental

Operating Temperature:	0 to 40°C
Humidity:	0 to 95% RH non-condensing
Elevation:	-500 to 3000m
Regulatory Compliance:	**Safety:** ANSI/UL 60950-1

Distribution Panels

Part Number	Description
C741-252-10	800A Bullet Style Fuse/Breaker Panel
C741-253-10	1200A Bullet Style Fuse/Breaker Panel
C741-254-10	1200A GJ Breaker Panel

Output Adapters

Part Number	Description
C590-2267-10	Output Adapter; 2 Pole; Straight; AM Breaker Panel
C590-2483-10	Output Adapter; 2 Pole; 45 Degree; AM Breaker Panel
C590-2268-10	Output Adapter; 3 Pole; Straight; AM Breaker Panel
C590-2484-10	Output Adapter; 3 Pole; 45 Degree; AM Breaker Panel
C590-1891-10	Output Adapter; Single Pole; 45 Degree; GJ Breaker Panel
C590-1890-10	Output Adapter; Single Pole; 90 Degree; GJ Breaker Panel
C590-2409-10	Output Adapter; 2 Pole; 45 Degree; GJ Breaker Panel
C590-2411-10	Output Adapter; 2 Pole; 90 Degree; GJ Breaker Panel
C590-2410-10	Output Adapter; 3 Pole; 45 Degree; GJ Breaker Panel
C590-2412-10	Output Adapter; 3 Pole; 90 Degree; GJ Breaker Panel
C590-2407-10	Output Adapter; 2 Pole; Straight; Return
C590-2408-10	Output Adapter; 3 Pole; Straight; Return

Bus Jumper Kits

Part Number	Description
C710-260-10	Hot Input Jumper Connection Kit
C710-272-10	Internal Return Jumper Connection Kit

Internal Return Kit

Part Number	Description
C710-359-10	Internal Return Bar Kit; Common Return

Accessories

Part Number	Description
C741-255-10	BDFB Blanking Panel (For Empty Panel Positions)