



an EnerSys® company

PowerBay+™ BDFB

Advanced Modular Secondary Distribution Bay



- Modular design
- Top or bottom feed
- Internal or external returns
- 2, 4, 6, and 8-bus configurations (field configurable)
- Up to eight 800A or 1200A rated distribution panels
- Supports AM and GJ breakers as well as TPS and TLS fuses
- Up to 176 AM circuit 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+™ BDFB is a modular breaker/fuse bay with industry-leading monitoring, safety, and ease-of-use features.

Available in 2, 4, 6, or 8 bus versions, the PowerBay+ BDFB is rated at up to 1200A per bus, up to 9600A total load. The bus configuration can be easily changed in the field by adding or removing bus straps, which can be safely done with the BDFB energized. Breaker/fuse panels can be added at any time, and versions support AM bullet breakers up to 125A per single pole, GJ breakers up to 250A per single pole, and TPS/TLS fuses. A maximum of 176 loads can be protected.

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

PowerBay+™ BDFB Specifications

Electrical	
Voltage:	-48VDC
Number of Busses:	2, 4, 6, or 8
Load Current Per Bus:	960A max. continuous
Total Load Current:	7680A max.
Alarm Contacts:	Form-C, 60VDC @ 0.5A max
Circuits:	Up to 176
Maximum Input Interruption Device:	1200A

Mechanical	
Dimensions L x H x D (in/mm):	26 x 84 x 28 / 660 x 2134 x 711
Weight (lb/kg):	950 / 431

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

Model Configurations		
Part Number		
Black	White	Description
C016-1900-10-B	C016-1900-10-W	Vertical BDFB; Dual Bus; Four 800A AM Breaker Panels Per Bus; Internal Returns
C016-1901-10-B	C016-1901-10-W	Vertical BDFB; Quad Bus; Two 800A AM Breaker Panels Per Bus; Internal Returns
C016-1902-10-B	C016-1902-10-W	Vertical BDFB; Octa Bus; One 800A AM Breaker Panel Per Bus; Internal Returns
C016-1903-10-B	C016-1903-10-W	Vertical BDFB; Dual Bus; Four 800A AM Breaker Panels Per Bus; w/o Internal Returns
C016-1904-10-B	C016-1904-10-W	Vertical BDFB; Quad Bus; Two 800A AM Breaker Panels Per Bus; w/o Internal Returns
C016-1905-10-B	C016-1905-10-W	Vertical BDFB; Octa Bus; One 800A AM Breaker Panel Per Bus; w/o Internal Returns
C016-1919-10-B	C016-1919-10-W	Vertical BDFB; Dual Bus; w/o Distribution Panels; Internal Returns
C016-1920-10-B	C016-1920-10-W	Vertical BDFB; Dual Bus; w/o Distribution Panels; w/o Internal Returns
C016-1921-10-B	C016-1921-10-W	Vertical BDFB; Quad Bus; w/o Distribution Panels; Internal Returns
C016-1922-10-B	C016-1922-10-W	Vertical BDFB; Quad Bus; w/o Distribution Panels; w/o Internal Returns
C016-1923-10-B	C016-1923-10-W	Vertical BDFB; Octa Bus; w/o Distribution Panels; Internal Returns
C016-1924-10-B	C016-1924-10-W	Vertical BDFB; Octa Bus; w/o Distribution Panels; w/o Internal Returns

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)



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