



marathon™
Special Products

Product Data Sheet

BFPB-XX-X-X

See catalog nomenclature below for specific numbers.

Power Terminal Block

1605 Amps 1000 Volts AC/DC

Wire Range

- Suitable for listed lugs
 - Lugs must fit on 1/2" or 3/8" studs
 - Double holed Lugs must have 1.75" Spacing
 - See table on page-5 for compatible Lugs
- Suitable for Flexibar (Flexible busbar)

Electrical Ratings

- 1605 Amps
- Voltage:
 - 1000V per UL 1059 Class E & CSA22.2 No.158, Class B & C requirements
 - 600V per UL-1059 Service & Industrial Class (A & C) requirements.
 - 600V per CSA22.2 No.58 Service & Industrial Class (A & E) requirements.
- SCCR - See Tables Below
- Factory & Field Wiring

Agency Compliance

- UR - UL Recognized Terminal Block, Evaluated to UL 1059, File No.XCFR2.E62806
- cUR - UL Evaluated to CSA 22.2 No.158, File No.XCFR8.E62806
- RoHS Compliant

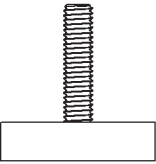
Material Information

- Insulator base:
 - Thermoplastic
 - Flammability rating of insulator base UL94V0
 - Insulator base temperature rating: -40°C to 130°C (UL RTI)
- Connector - plated copper
- Terminal studs - steel, zinc plated
- Hardware - nuts, flat washer, split washer - plated steel
- RoHS Compliant

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Termination Specifications

Load Side	Termination Type	Torque	Lugs/Flexibar per (Stud) Terminal
	Listed Lugs on 3/8" Studs	28.2 N·m (250lbf·in)	4 Max
	Listed Lugs on 1/2" Studs	56.5N·m (500 lbf·in)	4 Max
	Flexibar on 3/8" Studs	28.2 N·m (250lbf·in)	2 Max
	Flexibar on 1/2" Studs	56.5 N·m (500 lbf·in)	2 Max

- For use with conductors prepared with listed connectors such as single hole compression/crimp lugs or listed ring, fork or spade terminals.
- Conductor size, ampacity, temperature rating and type are dictated by the ratings of the listed lugs utilized and applicable code requirements.
- For use with Flexibar (flexible busbar) when prepared appropriately.
- End positions (that mount the busbar to the insulator ends) are intended to be used as terminal positions.
- It is NOT recommended to stack Lugs with Flexibar on the same stud position(s).

Short Circuit Current Ratings (SCCR)

- The suitable wire/flexibar ranges are limited to the table values only for achieving the SCCR ratings in excess of the default rating of 10,000A.
- Other conductor combinations within the "Terminal Specifications" noted are suitable for achieving a SCCR of 10,000A (the default rating of terminal blocks).
- Enclosure size – Investigated with a minimum 24x20x8 Enclosure. Use in smaller enclosures is subject to end use evaluation.

Suitable Lugged Wire -or- Flexibar	Max Fuse Protection Req. Amp Rating / Class					SCCR RMS Sym. Amps 600V. Max
	L	J	T	RK1	RK5	
750 – 350 kcmil	1200	600	1200	600	600	100,000
10x100x1 – 4x32x1	1200	600	1200	600	600	100,000
750 – 350 kcmil	No Over-Current Protection Device Required					35,000
10x100x1 – 4x32x1	No Over-Current Protection Device Required					35,000
Applicable Lugs/Flexibars	No Over-Current Protection Device Required					10,000

Installation & Accessories

- Mounting (Panel):
 - Recommended 3/8" fastener with flat washer (max diameter 1").
 - Recommended torque for mounting fastener: 50-100 in-lbs (5.6-11.3 N·m).
- Covers:
 - Screw-on covers available upon request.
 - For specific part numbers, see the table on page four.
 - Covers are clear Acrylite® that come with a peel-off protective film to prevent scratches.
- Tools needed:
 - Socket Driver 3/4" for 1/2" Hex Terminal Nuts, or 9/16" for 3/8" Hex Terminal Nuts.
 - Phillips Drive #2 for Cover Mounting Screw.
- Safety Guidelines:
 - Assure all washers and nuts are secured on any unused studs.
 - Use appropriate/specified hardware (washers & nuts).
 - Accessory Cover (Optional) is not intended to provide insulation for electrical spacings.
 - When stacking lugs:
 - Wider lugs should be mounted first, with smaller lugs following on top.
 - Assure Tangs are in contact with the busbar or each other, and barrels are not interfering.

Catalog Nomenclature

Series	Stud Size	Pitch	# of Stud Positions
BFPB	XX	X	X
	50 = 1/2" Studs 37 = 3/8" Studs	1 = 1.625" 2 = 2.125"	1 to 6

Drawing

CATALOG NUMBER	STUD POSITIONS	STUD SIZE	DIMENSIONS			Cover Part No.
			PITCH	A	B	
BFPB-50-2-2	2	1/2	2.125	7.14	5.69	CC-BFPB-2-2
BFPB-50-2-3	3	1/2	2.125	9.27	7.82	CC-BFPB-2-3
BFPB-50-2-4	4	1/2	2.125	11.39	9.94	CC-BFPB-2-4
BFPB-50-2-5	5	1/2	2.125	13.52	12.07	CC-BFPB-2-5
BFPB-50-2-6	6	1/2	2.125	15.64	14.19	CC-BFPB-2-6
BFPB-37-1-3	3	3/8	1.625	8.27	6.82	CC-BFPB-1-3
BFPB-37-1-4	4	3/8	1.625	9.89	8.44	CC-BFPB-1-4
BFPB-37-1-5	5	3/8	1.625	11.52	10.07	CC-BFPB-1-5
BFPB-37-1-6	6	3/8	1.625	13.14	11.69	CC-BFPB-1-6

