



## 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

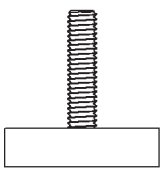
### Material Information

- 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

A Regal Brand



## 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	C	D	E	F	
BFPB-50-2-2	2	1/2	2.125	7.14	5.69	2.35	2.00	0.35	0.25	CC-BFPB-2-2
BFPB-50-2-3	3	1/2	2.125	9.27	7.82	2.35	2.00	0.35	0.25	CC-BFPB-2-3
BFPB-50-2-4	4	1/2	2.125	11.39	9.94	2.35	2.00	0.35	0.25	CC-BFPB-2-4
BFPB-50-2-5	5	1/2	2.125	13.52	12.07	2.35	2.00	0.35	0.25	CC-BFPB-2-5
BFPB-50-2-6	6	1/2	2.125	15.64	14.19	2.35	2.00	0.35	0.25	CC-BFPB-2-6
BFPB-37-1-3	3	3/8	1.625	8.27	6.82	1.85	1.80	0.35	0.30	CC-BFPB-1-3
BFPB-37-1-4	4	3/8	1.625	9.89	8.44	1.85	1.80	0.35	0.30	CC-BFPB-1-4
BFPB-37-1-5	5	3/8	1.625	11.52	10.07	1.85	1.80	0.35	0.30	CC-BFPB-1-5
BFPB-37-1-6	6	3/8	1.625	13.14	11.69	1.85	1.80	0.35	0.30	CC-BFPB-1-6

