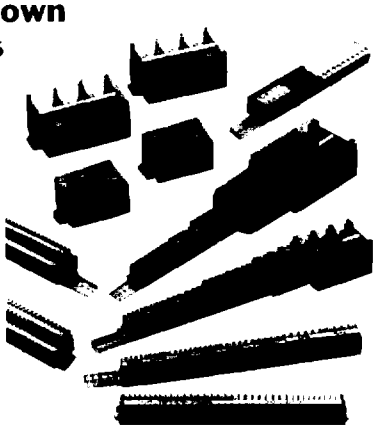
Unique Touch-Down Terminal Blocks Reduce Wiring Time



Specifications

Insulation Voltage	600V
Dielectric Strength	2500V AC, 1 minute
Insulation Resistance	100MΩ minimum
Operating Temperature	-25 to +55°C
Operating Humidity	45 to 85% RH

Features

- All models are molded from UL940-V0 material with excellent flame and shock resistance.
- Terminal blocks can be mounted on a 1.38" (35mm) wide DIN rail.
- Marking strip is compatible with all series and is 0.38" (9.5mm) wide.
- No end plate is needed between terminal blocks, even when mounting terminal blocks of different current capacities side by side.
- Power blocks (BN200 and BN400) are also available for direct mounting on panel surfaces.
- High-density, dual-deck blocks have terminals on 0.31" (8.0mm) centers.
- Fuse block with or without blown fuse indicator, which is available in neon or LED.
- UL recognized and CSA certified.

UL Recognized
File No. E78117

CSA Certified
File No.LR64803

BN/BNH Series Parts List

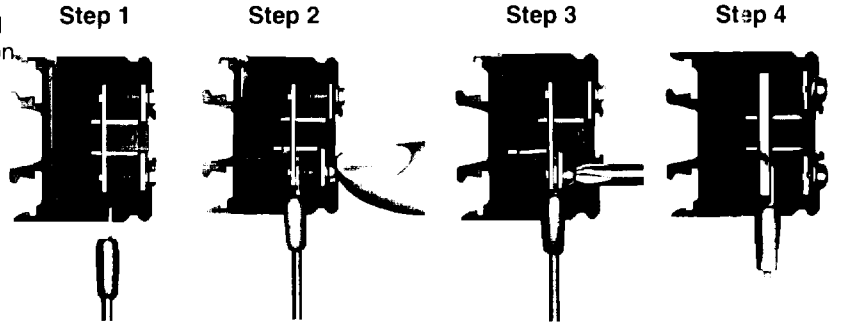
	Part No.	UL/CSA Ratings	Terminal Style	Rated Wire Size	Terminal Screw	Remarks
Standard	BNH10W ← *NEW!*	600V, 10A	Touch-Down Terminals	22-14 AWG (2mm²)	M3	BN and BNH blocks can be mounted on BNDN series DIN rails, see page K-9. See page K-8 for accessories and page K-10 for dimensions.
	BNH15MW					
	BNH15LW	600V, 15A			M3.5	
	BNH30W	600V, 30A		18-10 AWG (5.5mm²)	M4	
	BNH50W	600V, 50A		16-6 AWG (14mm²)	M5	
	BN75W	600V, 75A	Screw Terminals	16-4 AWG (22mm²)	M6	
	BN150W	600V, 150A		16-0 AWG (38mm²)	M8	
Power Blocks	BN200NW ▲	600V, 200A	Stud Terminals	0000 AWG (100mm²)	M10	In the place of ▲ specify: **2** = for 2 poles) **3** = for 3 poles) **4** = for 4 poles).
	BN400NW ▲	600V, 350A		400 mcm (200mm²)	M12	
	BN200NW ▲ K	600V, 200A		0000 AWG (100mm²)	M10	
	BN400NW ▲ K	600V, 350A		400 mcm (200mm²)	M12	
Fuse/Dual-Deck	BNF10SW	600V up to 10A	Self-Lifting Terminals	18-10 AWG (5.5mm²)	M4	Use with Ø 1/4" x 1-1/4" (6.35 x 31.8mm) fuse; up to 10A. — No Indicator
	BNF10NW					Blown-fuse Indicator: Neon (100-300 V AC)
	BNF10DW					Blown-fuse Indicator: LED (24V DC)
	BNDH15W	600V, 15A	Touch-Down	22-14 AWG (2mm²)	M3	High-Density, Dual-Deck Terminals

Touch Down Terminal Blocks

1. Insert wire (or crimping terminal) into terminal block with terminal screws in the open position.

Note: Use of crimp terminals is optional.

2. Push terminal screw down to the closed position to hold crimping terminal in place.
3. Push terminal screw down while tightening with a screwdriver.
4. To remove crimping terminal, loosen terminal screw, pull to open position.



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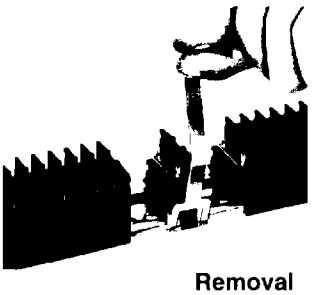
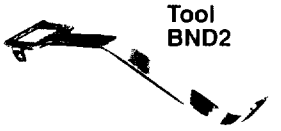
Installation and Removal of Terminal Blocks

Slide terminal blocks onto the DIN rail from one end. Use BNL5 or BNL6 end clips to secure terminal block row and to prevent side-to-side movement.

BNH10W, BNH15MW, BN15LW, BNH15LW, and BNH30W can be installed from the middle of a DIN rail. To install, place terminal block on top of DIN rail and push down until both edges of the terminal block snap onto DIN rail. To remove terminal block, use BND2 removal tool as shown on the right.



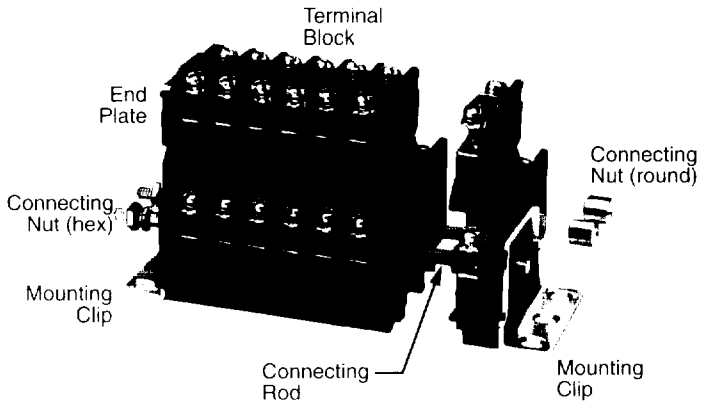


Removal Tool BND2

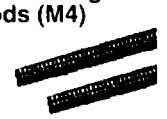
Mounting Double-Deck Terminal Blocks

DIN Rail: First install the end plate, then mount terminal blocks onto the DIN rail. Insert the BNR connecting rod thru the center hole located at the end of the terminal block. Secure both ends of the connecting rod with the BNN1 connecting nuts. To prevent side-to-side movement on DIN rail, use BNL5 mounting clip at both ends of the rail.

Panel Mount: Assemble a row of terminal blocks with end plates on exposed end(s). Use BNDL2 mounting clips at both ends of a row. With the two holes of the mounting clip aligned with the terminal block holes, insert a connecting rod through each hole. Secure the ends of the connecting rods with the connecting nuts, as shown below.



Connecting Rods (M4)



BNR1: 10.34" (265mm)
BNR2: 19.69" (500mm)

Connecting Nuts BNN1 (one each)

DIN Rail Mount
End Clip BNL5

Base Mount
Mounting Clip BNDL2

Calculating Rail Length

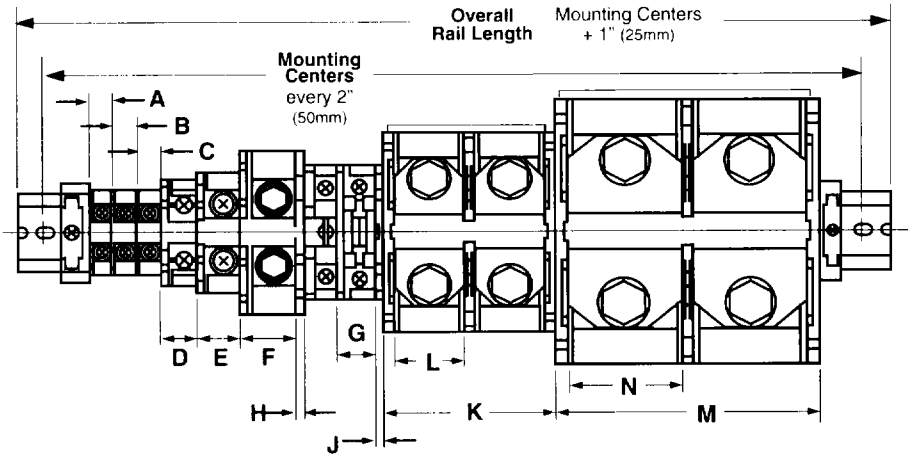
Stack up the total width of all terminal blocks and end clips.

Add 0.003 (0.1mm) per block.

Round up to the nearest 2" (50mm) increment for mounting centers.

Add 1" (25mm) (to allow for 0.5" (12.5mm) end clearance) for overall rail length.

Note: See page K-9 for dual-deck terminal blocks



	Part No.	Dimension	
		Overall	Inside
A	BNH15MW	0.31" (8mm)	0.26" (6.7mm)
B	BNH15LW	0.41" (10.5mm)	0.33" (8.5mm)
C	BNH30W	0.47" (12mm)	0.37" (9.6mm)
D	BNH50W	0.61" (15.5mm)	0.51" (13mm)
E	BNH75W	0.78" (20mm)	0.66" (17mm)
F	BNH150W	1.01 (26mm)	0.90 (23mm)
G	BNF10	0.59" (15mm)	0.51" (13mm)

	Part No.	Dimension	Dimension		
			2-Pole	3-Pole	4-Pole
H	BNE150W	0.195" (5mm)	—	—	—
J	BNE20	0.117" (3mm)	—	—	—
K	BN200NW	—	3.04" (78mm)	4.49" (115mm)	5.93" (152mm)
L		1.29" (33mm)	—	—	—
M	BN400NW	—	4.64" (119mm)	6.86" (176mm)	9.09" (233mm)
N		2.03" (52mm)	—	—	—

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