

BN-W / BNH-W Series Terminal Blocks

UL recognized, CSA certified, and TUV compliant. Touch-down terminals reduce wiring time.

- Molded from UL94V-0 material with excellent flame and shock resistance.
- Terminal blocks can be mounted on a 35-mm-wide DIN rail and 30-mm-wide IEC type C rail.



- 9.5-mm-wide marking strips can be used on all models. 17-mm-wide sliding type marking strips also available. (BN10W to BN30W)
- Terminal blocks of different shapes and capacities can be installed without using an end plate. (BN□10W to BN□150W)
- Screw and stud terminal types available for large capacity terminal blocks.
- Additional mounting and removal of terminals is easy. (BN□10W to BN□150W)

Touch-down terminal blocks reduce wiring time. (BNH-W/BNDH-W Series)

1. Insert the Crimping Terminal
2. Push the Screw Down
3. Tighten the Screw



Terminal screw is always in the open position. No need to loosen the screw.

Push the screw down to hold the wire in place.

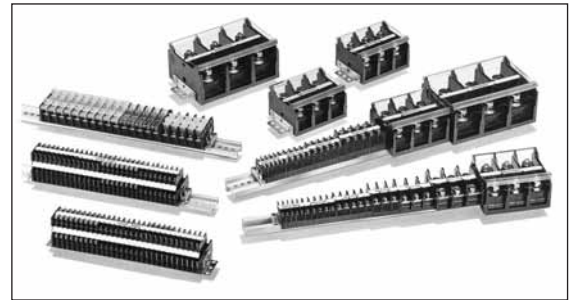
The screws can be tightened easily with a pneumatic screwdriver.

Ratings/Terminal Screw Tightening Torque

Types	Type No.		UL/CSA Ratings		EN Ratings (*1)		JIS Ratings		Terminal Screw	Tightening Torque (N·m)
	Self-Lifting	Touch-Down	Voltage/Current	Wire Size (AWG)	Voltage/Current	Wire Size [mm²/(AWG)]	Voltage/Current	Wire Size (mm²)		
Standard Types	BN10W	BNH10W	600V/10A	22-16	660V/16A	1.25/(22-16)	600V/16A	1.25	M3	0.6 to 1.0
	BN15MW	BNH15MW	600V/10A	22-14	660V/22A	2/(22-14)	600V/16A	1.25 (2) *2	M3	0.6 to 1.0
	BN15LW	BNH15LW	600V/15A	22-14	660V/22A	2/(22-14)	600V/21A	2	M3.5	1.0 to 1.3
	BN15MWT	BNH15MWT	600V/15A	22-14	660V/22A	2/(22-14)	600V/21A	2	M3.5	1.0 to 1.3
	BN15LWT	BNH15LWT	600V/15A	22-14	660V/22A	3.5/(22-14)	600V/30A	3.5	M4	1.4 to 2.0
	BN30W	BNH30W	600V/30A	18-10	660V/38A	5.5/(18-10)	600V/40A	5.5	M4	1.4 to 2.0
	BN40W	BNH40W	600V/40A	16-8	660V/50A	8/(16-8)	600V/50A	8	M5	2.6 to 3.7
	BN50W	BNH50W	600V/50A	16-6	660V/67A	14/(16-6)	600V/70A	14	M5	2.6 to 3.7
Large Capacity Types	BN75W		600V/75A	16-4	660V/94A	22/(8-4)	600V/94A	22	M6	3.9 to 5.4
	BN100W		600V/100A	16-2	660V/132A	38/(2)	600V/132A	38	M8	10 to 13.5
	BN150W		600V/150A	16-1/0	660V/175A	60/(1/0)	600V/175A	60	M8	10 to 13.5
	BN200BW□, BN200NW□		600V/200A	4/0	660V/240A	100/(4/0)	600V/240A	100	M10	21 to 28
	BN300BW□, BN300NW□		600V/310A	300MCM	660V/310A	150/(300MCM)	600V/310A	150	M10	21 to 28
	BN400BW□, BN400NW□		600V/350A	400MCM	660V/370A	200/(400MCM)	600V/370A	200	M12	38 to 49
	BN500BW□, BN500NW□		600V/500A	500MCM	660V/430A	240/(500MCM)	600V/430A	250	M16	83 to 116
	BN600NW□		600V/600A	600MCM	660V/520A	300/(600MCM)	600V/520A	325	M16	83 to 116
With Disconnecting Switch	BNT20	—	—	—	—	—	600V/20A	5.5	M4	1.4 to 2.0
With Fuse	BNF10S	—	—	—	—	—	600V/10A	5.5	M4	1.4 to 2.0
	BNF10N	—	—	—	—	—	600V/10A	5.5	M4	1.4 to 2.0
Double-Deck Types	BND15W	BNDH15W	600V/10A	22-14	660V/22A	2/(22-14)	600V/16A	1.25 (2) *2	M3	0.6 to 1.0
	BND15LW	BNDH15LW	600V/15A	22-14	660V/22A	2/(22-14)	600V/21A	2	M3.5	1.0 to 1.3
	BND15WT	BNDH15WT	600V/15A	22-14	660V/22A	2/(22-14)	600V/21A	2	M3.5	1.0 to 1.3
Common Terminal Types	BN15M□	—	—	—	—	—	600V/16A Common Current	1.25 (2) *2	M3	0.6 to 1.0

*1: Ratings approved by TÜV based on EN60947-7-1.

*2: The rated applicable wire size is 1.25 mm², but 2 mm² wires can also be connected. The wire size in () does not comply with JIS standards.



- Complies with JIS C 2811.
- UL recognized, CSA certified, and EN compliant (TÜV approved).
(Except common terminal types)



UL1059
File No. E78117



CSA C 22.2 No.158
File No. LR64803



EN60947-1, EN60947-7-1
License No.
Standard Types: R9551701
Large Capacity Types: J9551516
J9650886 (BN500□, BN600□ only)
Double-Deck Types: R9650688

Material

Parts Name	Material
Housing	Modified PPE
Bus Bars	Brass (Nickel-plated)
Terminal Screw	Steel (Zinc chrome-plated)
Spring	Stainless steel (touch-down type only)

General Ratings

Dielectric Strength	2500V AC, 1 minute
Insulation Resistance	100 MΩ minimum
Operating Temperature	-25 to +55°C (no freezing)
Operating Humidity	45 to 85% RH (no condensation)

BN-W/BNH-W Series Terminal Blocks

Types of Terminal Blocks

Terminal Type		Type No.	Ordering Type No.	Terminal Screw	Width (mm)	Package Quantity	Page		
• Standard Types									
Self-Lifting	1-pole	BN10W	BN10WPN50	M3	7	50	8		
		BN15MW	BN15MWPN50	M3	8	50			
		BN15LW	BN15LWPN50	M3.5	10.5	50			
		BN15MWT	BN15MWTPN50	M3.5	8	50			
		BN15LWT	BN15LWTPN50	M4	10.5	50			
		BN30W	BN30WPN50	M4	12	50	9		
		BN40W	BN40WPN20	M5	14	20			
	1-pole	BN50W	BN50WPN20	M5	15.5	20	8		
		BNH10W	BNH10WPN50	M3	7	50			
		BNH15MW	BNH15MWPN50	M3	8	50			
		BNH15LW	BNH15LWPN50	M3.5	10.5	50			
		BNH15MWT	BNH15MWTPN50	M3.5	8	50			
		BNH15LWT	BNH15LWTPN50	M4	10.5	50	9		
		BNH30W	BNH30WPN50	M4	12	50			
	1-pole	BNH40W	BNH40WPN20	M5	14	20	9		
		BNH50W	BNH50WPN20	M5	15.5	20			
		• Large Capacity Types (Rail Mount Type)							
		Screw	1-pole	BN75W	BN75WPN10	M6	20	10	11
				BN100W	BN100WPN05	M8	26	5	11
				BN150W	BN150WPN05	M8	26	5	12
			2-pole	BN200BW2	BN200BW2	M10	37	1	13
3-pole	BN200BW3		BN200BW3						
4-pole	BN200BW4		BN200BW4						
2-pole	BN300BW2		BN300BW2	M10	44	1	13		
3-pole	BN300BW3		BN300BW3						
4-pole	BN300BW4		BN300BW4						
2-pole	BN400BW2		BN400BW2	M12	57	1	15		
3-pole	BN400BW3	BN400BW3							
4-pole	BN400BW4	BN400BW4							
Stud	2-pole	BN200NW2	BN200NW2	M10	37	1	13		
	3-pole	BN200NW3	BN200NW3						
	4-pole	BN200NW4	BN200NW4						
	2-pole	BN300NW2	BN300NW2	M10	44	1	14		
	3-pole	BN300NW3	BN300NW3						
	4-pole	BN300NW4	BN300NW4						
	2-pole	BN400NW2	BN400NW2	M12	57	1	15		
	3-pole	BN400NW3	BN400NW3						
4-pole	BN400NW4	BN400NW4							
• Large Capacity Type (Surface Mount Type)									
Screw	2-pole	BN200BW2K	BN200BW2K	M10	37	1	13		
	3-pole	BN200BW3K	BN200BW3K						
	4-pole	BN200BW4K	BN200BW4K						
	2-pole	BN300BW2K	BN300BW2K	M10	44	1	14		
	3-pole	BN300BW3K	BN300BW3K						
	4-pole	BN300BW4K	BN300BW4K						
	2-pole	BN400BW2K	BN400BW2K	M12	57	1	15		
	3-pole	BN400BW3K	BN400BW3K						
	4-pole	BN400BW4K	BN400BW4K						
	2-pole	BN500BW2K	BN500BW2K	M16	57	1	16		
3-pole	BN500BW3K	BN500BW3K							
4-pole	BN500BW4K	BN500BW4K							
Stud	2-pole	BN200NW2K	BN200NW2K	M10	37	1	13		
	3-pole	BN200NW3K	BN200NW3K						
	4-pole	BN200NW4K	BN200NW4K						
	2-pole	BN300NW2K	BN300NW2K	M10	44	1	14		
	3-pole	BN300NW3K	BN300NW3K						
	4-pole	BN300NW4K	BN300NW4K						
	2-pole	BN400NW2K	BN400NW2K	M12	57	1	15		
	3-pole	BN400NW3K	BN400NW3K						
	4-pole	BN400NW4K	BN400NW4K						
	2-pole	BN500NW2K	BN500NW2K	M16	57	1	16		
	3-pole	BN500NW3K	BN500NW3K						
	4-pole	BN500NW4K	BN500NW4K						
	2-pole	BN600NW2K	BN600NW2K	M16	57	1	16		
	3-pole	BN600NW3K	BN600NW3K						
4-pole	BN600NW4K	BN600NW4K							

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