

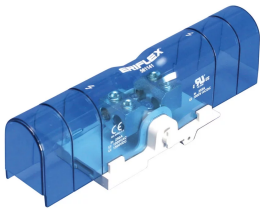
# Power Terminal, Tunnel-to-Tunnel, 250 A

## Data Solutions

### CATALOG NUMBER

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**SBTT-250**



### CERTIFICATIONS

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### FEATURES

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Tinned copper block allows for copper or aluminum conductor connections

Accessible tunnels allow for easy connection of wire

Design allows for visual inspection of conductor and confirmation of connection

Adjustable transparent cover

Modular snap-together blocks for building multi-pole power blocks

Easily clips onto DIN rail or mounts to panel with screws

SBLEC Power Terminals Fixing Accessory required for direct panel mount

RoHS compliant

Halogen free

PRODUCT ATTRIBUTES

Article Number: 561141
Material: Copper; Thermoplastic
Finish: Tinned
Max Current Rating, IEC: 350A
Max Current Rating, UL/CSA: 300A
Short Term Withstand Current (Icw) 1s: 8.4kA
Peak Short Circuit Current (Ipk): 30kA
Short Circuit Current Rating (SCCR): 100kA
Max Working Voltage, IEC (Ui): 1000; 1500
Max Working Voltage, UL (Vin): 1000
Number of Tunnel Connections: 4
Tunnel Connection Compact Stranded Wire Size: (4) 10 – 50 mm²
Tunnel Connection Wire Size - Ferrule: (4) 10 – 35 mm²
Tunnel Connection Wire Size: (4) #8 – 1/0
Depth (D): 66mm
Height (H): 205.7mm
Width (W): 52.3mm
A: 108mm
Unit Weight: 0.26kg
Certification Details: UL® 1059
Flammability Rating: UL® 94V-1
Complies With: IEC® 60947-7-1

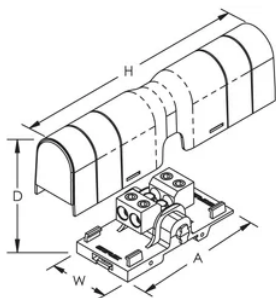
ADDITIONAL PRODUCT DETAILS

Power terminal connections are interchangeable and can be used as line side or load side connections.

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals										
Derating according to Ambient* Temperature (°C) to maintain working temperature of 85°C										
Ambient Temperature (°C)	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47
*environment around the terminal blocks inside the enclosure										

## DIAGRAMS

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## WARNING

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nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.nvent.com](http://www.nvent.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.



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