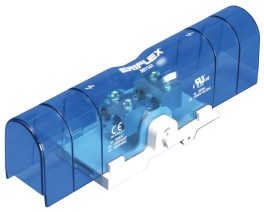
We connect and protect

Power Terminal, Tunnel-to-Tunnel, 250 A

Data Solutions

CATALOG NUMBER

SBTT-250



CERTIFICATIONS

FEATURES

- 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

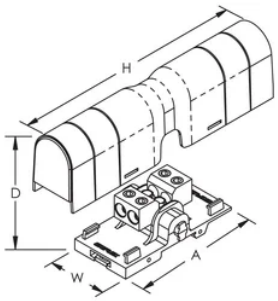
Complies With: IEC® 60947-7-1

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



WARNING

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 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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