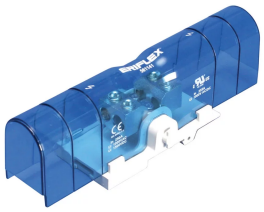
We connect and protect

SBTT-250 Tunnel-to-Tunnel Power Terminal

Data Solutions



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

SPECIFICATIONS

Catalog Number	**SBTT-250**

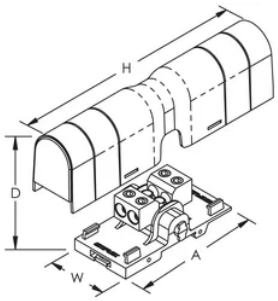
Article Number	561141
Material	Copper Thermoplastic
Finish	Tinned
Max Current Rating, IEC	350A
Max Current Rating, UL/CSA	300A
Short Term Withstand Current (Icw) 1s	8.4kA
Peak Short Circuit Current (Ipk)	30kA
Short Circuit Current Rating (SCCR)	100kA
Max Working Voltage, IEC (Ui)	1000 1500
Max Working 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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