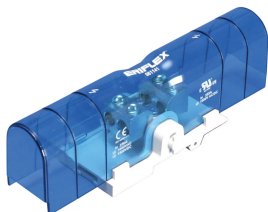


## SBTT-250 TUNNEL-TO-TUNNEL POWER TERMINAL



### 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

Table 1/5

Catalog Number	Article Number	Finish	Max Current Rating, IEC	Max Current Rating, UL/CSA	Short Circuit Current Rating (SCCR)	Peak Short Circuit Current (I <sub>pk</sub> )
----------------	----------------	--------	-------------------------	----------------------------	-------------------------------------	---

SBTT-250	561141	Tinned	350A	300A	100kA	30kA
----------	--------	--------	------	------	-------	------

Table 2/5

Catalog Number	Article Number	Material	Short Term Withstand Current (I <sub>cw</sub> ) 1s	Number of Tunnel Connections	Max Working Voltage, IEC (U <sub>i</sub> )	Max Working Voltage, UL (V <sub>in</sub> )
SBTT-250	561141	Copper, Thermoplastic	8.4kA	4	1000, 1500	1000

Table 3/5

Catalog Number	Article Number	Tunnel Connection Wire Size - Ferrule	Tunnel Connection Compact Stranded Wire Size	Tunnel Connection Wire Size	Height (H)	Width (W)
SBTT-250	561141	(4) 10 – 35 mm <sup>2</sup>	(4) 10 – 50 mm <sup>2</sup>	(4) #8 – 1/0	205.7mm	52.3mm

Table 4/5

Catalog Number	Article Number	Depth (D)	A	Unit Weight	Flammability Rating	Certification Details
SBTT-250	561141	66mm	108mm	0.26kg	UL® 94V-1	UL® 1059

Table 5/5

Catalog Number	Article Number	Complies With
SBTT-250	561141	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

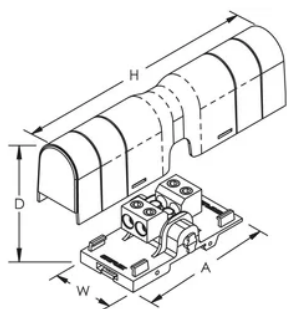
Derating according to Ambient\* Temperature (°C) to maintain working temperature of 85°C

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](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.



Our powerful portfolio of brands:  
**nVent.com CADDY ERICO HOFFMAN RAYCHEM SCHROFF**  
**TRACER**