

SBTT-800 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

Voltage detection and measurement 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 _{pk})
SBTT-800	561147	Tinned	1250A	760A	100kA	75kA

Table 2/5						
Catalog Number	Article Number	Material	Short Term Withstand Current (I _{cw}) 1s	Number of Tunnel Connections	Max Working Voltage, IEC (U _i)	Max Working Voltage, UL (V _{in})
SBTT-800	561147	Copper, Thermoplastic	57.6kA	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-800	561147	(4) 50 – 185 mm ²	(4) 95 – 240 mm ²	(4) 3/0 – 500 kcmil	8.1in	4.53in

Table 4/5						
Catalog Number	Article Number	Depth (D)	A	Unit Weight	Flammability Rating	Certification Details
SBTT-800	561147	2.95in	4.25in	2.29lb	UL® 94V-1	UL® 1059

Table 5/5		
Catalog Number	Article Number	Complies With
SBTT-800	561147	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 (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
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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