

SBTT-500 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

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

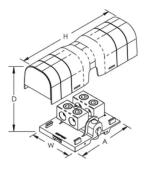
SPECIFICATIONS

Catalog Number	SBTT-500				
Article Number	561145				
Material	Copper Thermoplastic				
Finish	Tinned				
Max Current Rating, IEC	750A				
Max Current Rating, UL/CSA	500A				
Short Term Withstand Current (Icw) 1s	28.8kA				
Peak Short Circuit Current (Ipk)	52kA				
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) 16 – 120 mm²				
Tunnel Connection Wire Size - Ferrule	(4) 16 – 120 mm²				
Tunnel Connection Wire Size	(4) #6 - 250 kcmil				
Depth (D)	66mm				
Height (H)	205.7mm				
Width (W)	85.1mm				
А	108mm				
Unit Weight	0.6kg				
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											



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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