

# SBLT-500 Lug-to-Tunnel Power Terminal

## **Data Solutions**



#### **CERTIFICATIONS**











#### **FEATURES**

Tinned copper block allows for copper or aluminum conductor connections

Accessible studs and tunnels allow for easy connection of nVent ERIFLEX Flexibar and other conductors

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**

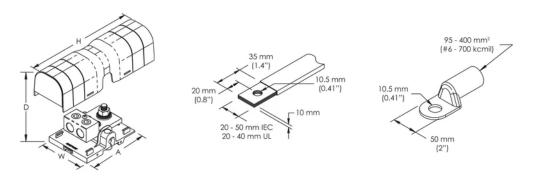
Catalog Number	SBLT-500					
Article Number	561144					
Material	Copper Thermoplastic					
Finish	Tinned					
Max Current Rating, IEC	750A					
Max Current Rating, UL/CSA	500A					
Short Term Withstand Current (Icw) 1s	28.8kA					
Peak Short Circuit Current (lpk)	52kA					
Short Circuit Current Rating (SCCR)	100kA					
Max Working Voltage, IEC (Ui)	1000 1500					
Max Working Voltage, UL (Vin)	1000					
Number of Stud Connections	1					
Stud Connection Conductor Width	20 - 50 mm IEC® 20 - 40 mm UL®					
Stud Connection Compact Stranded Wire Size	95 – 400 mm²					
Stud Connection Wire Size	#6 - 700 kcmil					
Number of Tunnel Connections	2					
Tunnel Connection Compact Stranded Wire Size	(2) 16 – 120 mm <sup>2</sup>					
Tunnel Connection Wire Size - Ferrule	(2) 16 – 120 mm <sup>2</sup>					
Tunnel Connection Wire Size	(2) #6 - 250 kcmil					
Depth (D)	66mm					
Height (H)	205.7mm					
Width (W)	85.1mm					
A	108mm					
Unit Weight	0.61kg					
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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