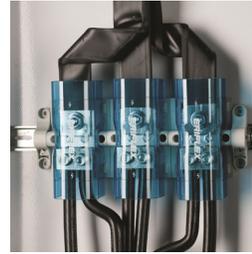
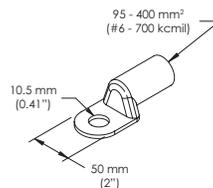
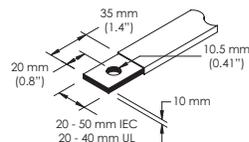
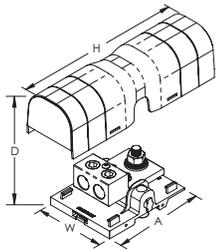


# SBLT-500 Lug-to-Tunnel Power Terminal



- 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 plastic housing excluding the blue protection cover



Material: Copper, Thermoplastic  
Finish: Tinned

Part Number	SBLT-500
Article Number	561144
Max Current Rating, IEC	750 A
Max Current Rating, UL/CSA	500 A
Short Term Withstand Current (I <sub>cw</sub> ) 1s	28,8 kA
Peak Short Circuit Current (I <sub>pk</sub> )	52 kA
Short Circuit Current Rating (SCCR)	100 kA
Max Working Voltage, IEC (U <sub>i</sub> )	1 000 VAC 1 500 VDC
Max Working Voltage, UL (V <sub>in</sub> )	1 000 VAC/DC
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 mm²
Tunnel Connection Wire Size - Ferrule	(2) 16 - 120 mm²

Part Number	SBLT-500
Tunnel Connection Wire Size	(2) #6 – 250 kcmil
Depth (D)	66 mm
Height (H)	205,7 mm
Width (W)	85,1 mm
A	108 mm
Unit Weight	0,61 kg
Certification Details	UL® 1059
Flammability Rating	UL® 94V-1
Complies With	IEC® 60947-7-1

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										

Power terminal connections are interchangeable and can be used as line side or load side connections.  
Blue protection cover is less than 7% of the overall product weight.

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**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.erico.com](http://www.erico.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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