

SBLT-500 LUG-TO-TUNNEL POWER TERMINAL



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

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})
SBLT-500	561144	Tinned	750A	500A	100kA	52kA

Table 2/5						
Catalog Number	Article Number	Material	Number of Stud Connections	Stud Connection Conductor Width	Short Term Withstand Current (I _{cw}) 1s	Stud Connection Wire Size
SBLT-500	561144	Copper, Thermoplastic	1	20 – 50 mm IEC®, 20 – 40 mm UL®	28.8kA	#6 - 700 kcmil

Table 3/5						
Catalog Number	Article Number	Stud Connection Compact Stranded Wire Size	Number of Tunnel Connections	Max Working Voltage, IEC (U _i)	Max Working Voltage, UL (V _{in})	Tunnel Connection Wire Size - Ferrule
SBLT-500	561144	95 – 400 mm ²	2	1000, 1500	1000	(2) 16 – 120 mm ²

Table 4/5						
Catalog Number	Article Number	Tunnel Connection Compact Stranded Wire Size	Tunnel Connection Wire Size	Height (H)	Width (W)	Depth (D)
SBLT-500	561144	(2) 16 – 120 mm ²	(2) #6 – 250 kcmil	205.7mm	85.1mm	66mm

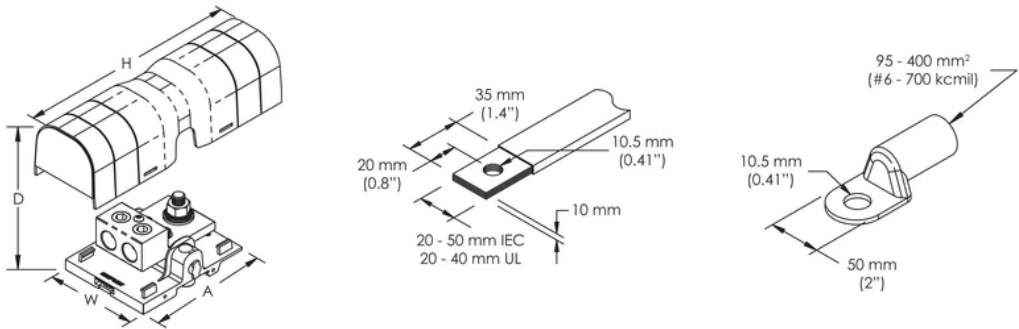
Table 5/5						
Catalog Number	Article Number	A	Unit Weight	Flammability Rating	Certification Details	Complies With
SBLT-500	561144	108mm	0.61kg	UL® 94V-1	UL® 1059	IEC® 60947-7-1

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.