

Power Terminal, Lug-to-Lug, 500 A

Data Solutions

CATALOG NUMBER

SBLL-500



CERTIFICATIONS



FEATURES

Tinned copper block allows for copper or aluminum conductor connections

Accessible studs allow for easy connection of sections of nVent ERIFLEX Flexibar or other conductors

Design allows for visual inspection of conductor and confirmation of 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

PRODUCT ATTRIBUTES

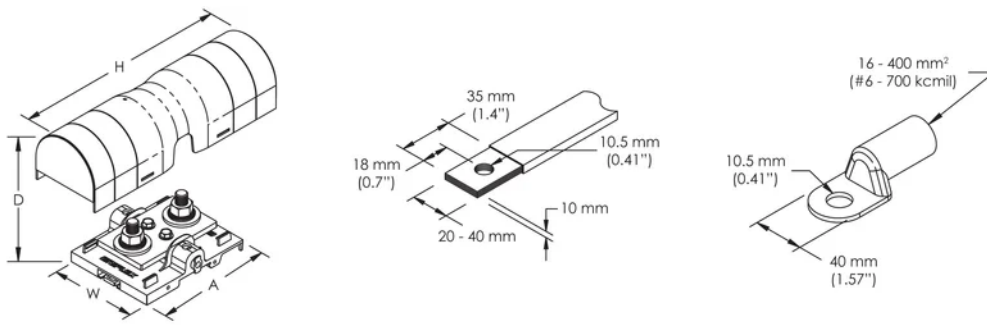
Article Number: 561134
Material: Copper; Thermoplastic
Finish: Tinned
Max Current Rating, IEC: 750A
Max Current Rating, UL/CSA: 475A
Short Term Withstand Current (Icw) 1s: 36kA
Peak Short Circuit Current (Ipk): 51kA
Short Circuit Current Rating (SCCR): 100kA
Max Working Voltage, IEC (Ui): 1000; 1500
Max Working Voltage, UL (Vin): 1000
Number of Stud Connections: 2
Stud Connection Conductor Width: 20 – 40 mm
Stud Connection Compact Stranded Wire Size: 16 – 400 mm²
Stud Connection Wire Size: #6 - 700 kcmil
Depth (D): 65mm
Height (H): 205.7mm
Width (W): 85.1mm
A: 108mm
Unit Weight: 0.34kg
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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