We connect and protect

# 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

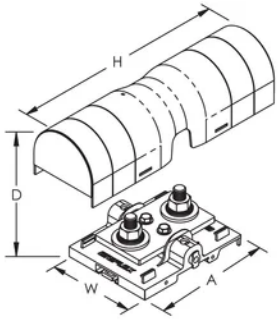
Complies With: IEC® 60947-7-1

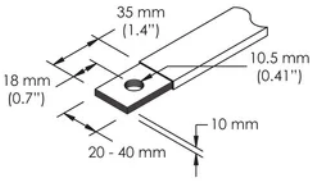
## ADDITIONAL PRODUCT DETAILS

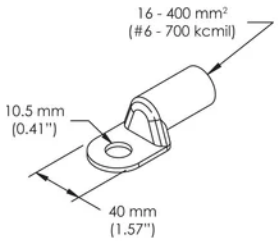
Power terminal connections are interchangeable and can be used as line side or load side connections.

| **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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