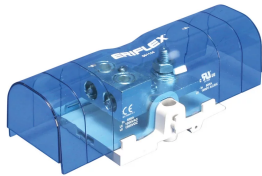


# SBLT-500 Lug-to-Tunnel Power Terminal



## 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

|                |                 |
|----------------|-----------------|
| Catalog Number | <b>SBLT-500</b> |
| Article Number | 561144          |

| Catalog Number                               | SBLT-500                          |
|----------------------------------------------|-----------------------------------|
| Material                                     | Copper<br>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 (Ipk)             | 52kA                              |
| Short Circuit Current Rating (SCCR)          | 100kA                             |
| Max Working Voltage, IEC (Ui)                | 1000<br>1500                      |
| Max Working Voltage, UL (Vin)                | 1000                              |
| Number of Stud Connections                   | 1                                 |
| Stud Connection Conductor Width              | 20 – 50 mm IEC®<br>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                  |
| Tunnel Connection Wire Size                  | (2) #6 – 250 kcmil                |
| Depth (D)                                    | 66mm                              |
| 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                    |

## 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](http://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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