We connect and protect

# SBLL-250 Lug-to-Lug Power Terminal

## Data Solutions

## 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

## SPECIFICATIONS

| | |
|---|---|
| **Catalog Number** | **SBLL-250** |

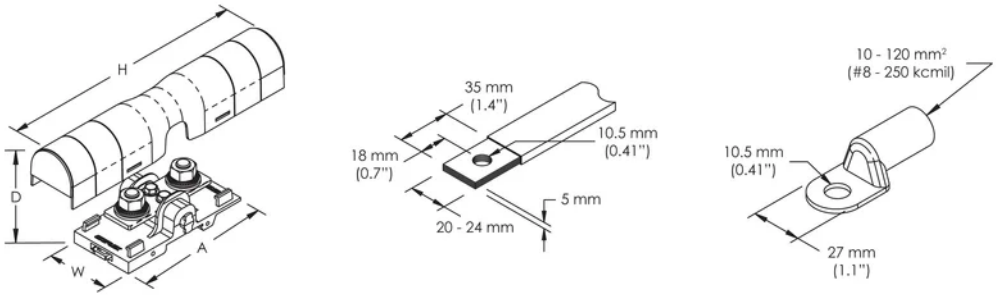
| | |
|---|---|
| Article Number | 561132 |
| Material | Copper<br>Thermoplastic |
| Finish | Tinned |
| Max Current Rating, IEC | 290A |
| Max Current Rating, UL/CSA | 255A |
| Short Term Withstand Current (Icw) 1s | 14.4kA |
| Peak Short Circuit Current (Ipk) | 42kA |
| Short Circuit Current Rating (SCCR) | 100kA |
| Max Working Voltage, IEC (Ui) | 1000<br>1500 |
| Max Working Voltage, UL (Vin) | 1000 |
| Number of Stud Connections | 2 |
| Stud Connection Conductor Width | 20 – 24 mm |
| Stud Connection Compact Stranded Wire Size | 10 – 120 mm² |
| Stud Connection Wire Size | #8 - 250 kcmil |
| Depth (D) | 65mm |
| Height (H) | 205.7mm |
| Width (W) | 52.3mm |
| A | 108mm |
| Unit Weight | 0.16kg |
| 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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