

SBLL-250 LUG-TO-LUG POWER TERMINAL



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

| Table 1/4 | | | | | | |
|----------------|----------------|----------------------------|-------------------------|----------------------------------|----------------------------|---------------------------------|
| Catalog Number | Article Number | Max Current Rating, UL/CSA | Max Current Rating, IEC | Peak Short Circuit Current (Ipk) | Number of Stud Connections | Stud Connection Conductor Width |
| | | | | | | |

| | | | | | | |
|----------|--------|-------|-------|-------|---|------------|
| SBLL-250 | 561132 | 255 A | 290 A | 42 kA | 2 | 20 – 24 mm |
|----------|--------|-------|-------|-------|---|------------|

Table 2/4

| Catalog Number | Article Number | Short Term Withstand Current (Icw) 1s | Stud Connection Wire Size | Stud Connection Compact Stranded Wire Size | Short Circuit Current Rating (SCCR) | Max Working Voltage, IEC (Ui) |
|----------------|----------------|---------------------------------------|---------------------------|--|-------------------------------------|-------------------------------|
| SBLL-250 | 561132 | 14.4 kA | #8 - 250 kcmil | 10 – 120 mm ² | 100 kA | 1,000 VAC, 1,500 VDC |

Table 3/4

| Catalog Number | Article Number | Max Working Voltage, UL (Vin) | Height (H) | Width (W) | A | Unit Weight |
|----------------|----------------|-------------------------------|------------|-----------|--------|-------------|
| SBLL-250 | 561132 | 1,000 V | 205.70 mm | 52.300 mm | 108 mm | 0.160 kg |

Table 4/4

| Catalog Number | Article Number | Certification Details |
|----------------|----------------|-----------------------|
| SBLL-250 | 561132 | UL® 1059 |

ADDITIONAL PRODUCT DETAILS

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

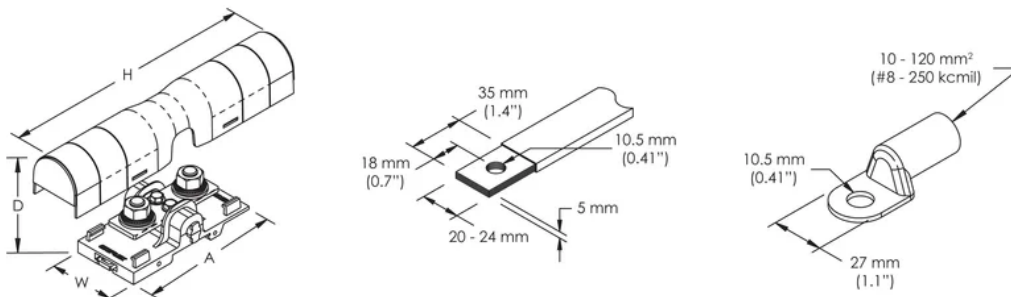
Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

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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