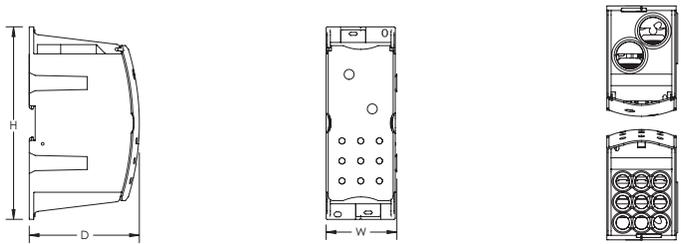


Single Pole Distribution Block – UD2C9C1250AL (569209)



- Tinned copper or aluminum block allows for copper or aluminum conductor direct connections, or using ferrule
- Screw retaining cover is hinged and removable
- Design allows for visual inspection of conductor and confirmation of connection
- Modular snap-together blocks for building multi-pole power blocks
- Easily clips onto DIN rail or mounts to panel with screws
- 95% fill ratio
- Halogen free
- RoHS compliant



| | |
|---------------------------------------|---------------------------|
| Part Number | UD2C9C1250AL |
| Article Number | 569209 |
| Finish | Tinned |
| Max Current Rating, IEC | 1,250 A |
| Max Current Rating, UL/CSA | 950 A |
| Line Side Connection | 2 Cables |
| Load Side Connection | 9 Cables |
| Material | Aluminum Thermoplastic |
| Line Side Max Conductor Size, IEC | 400 mm ² |
| Load Side Max Conductor Size, IEC | 70 mm ² |
| Max Working Voltage, IEC (Ui) | 1,000 VAC 1,500 VDC |
| Max Working Voltage, UL (Vin) | 1,000 VAC/DC |
| Short Term Withstand Current (Icw) 1s | 84 kA |
| Peak Short Circuit Current (Ipk) | 73.5 kA |
| Short Circuit Current Rating (SCCR) | 100 kA |
| Line Side Number of Connections | 2 |
| Line Side Compact Stranded Wire Size | 185 - 400 mm ² |
| Line Side Wire Size | 400 - 750 kcmil |
| Load Side Number of Connections | 9 |
| Load Side Compact Stranded Wire Size | 10 - 95 mm ² |

| | |
|--|----------------|
| Part Number | UD2C9C1250AL |
| Load Side Stranded Wire Size - Ferrule | #8 - #1 |
| Load Side Wire Size | #8 - 3/0 |
| Enclosure Rating | IP 20 |
| Depth | 195.6 mm |
| Height | 105.9 mm |
| Width | 70.5 mm |
| Unit Weight | 0.93 kg |
| Certification Details | UL® 1953 |
| Flammability Rating | UL® 94V-0 |
| Complies With | IEC® 60947-7-1 |
| Certifications | UL |
| Standard Packaging Quantity | 1 pc |
| UPC | 78285697543 |
| EAN-13 | 0782856975434 |

| 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 | | | | | | | | | | |

Increase the number of outputs with one input using a jumper on blocks with a Max Current Rating, IEC up to 160 A.
 Blocks with 1,000 VAC/DC Max Working Voltage, UL are ideal for solar applications.

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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.erico.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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