

## SINGLE POLE DIST. BLOCK, 250 A IEC, FLAT CONDUCTOR LINE, 6 CABLES LOAD, COPPER

### CATALOGUSNUMMER

**UDF-250A**



### CERTIFICATIONS



### KENMERKEN

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

RoHS compliant

Conforms to EN 45545 obtaining an HL3 classification for chapter R23 and HL2 classification for chapter R22

Halogen free

### PRODUCTKENMERKEN

Article Number: 569041

Afwerking: Tinned

Max Current Rating, IEC: 250A

Max Current Rating, UL/CSA: 255A

Line Side Connection: Flat Conductor

Copy of Copy of Output Connection: 6 Cables

Materiaal: Copper; Thermoplastic

Line Side Max Conductor Size, IEC: 70 mm<sup>2</sup>

Load Side Max Conductor Size, IEC: 16 mm<sup>2</sup>

Max Working Voltage, IEC (Ui): 1000

Max Working Voltage, UL (Vin): 600

Short Term Withstand Current (Icw) 1s: 9kA

Peak Short Circuit Current (Ipk): 23kA

Rated Conditional Short-Circuit Current (Icc): 11.5kA

Kortsluitstroomwaarde (SCCR): 100kA

Line Side Number of Connections: 1

Load Side Number of Connections: 6

Load Side Compact Stranded Wire Size: (6) 2,5 - 16 mm<sup>2</sup>

Load Side Stranded Wire Size - Ferrule: (6) 2,5 - 16 mm<sup>2</sup>

Load Side Wire Size: (6) #14 - #4

Behuizingsklasse: IP 20

Diepte (D): 46mm

Hoogte (H): 79mm

Breedte (W): 29mm

Eenheid gewicht (metrisch): 0.15kg

Certification Details: UL® 1059

Flammability Rating: UL® 94V-0

Conform: IEC® 60947-7-1

## ADDITIONAL PRODUCT DETAILS

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.

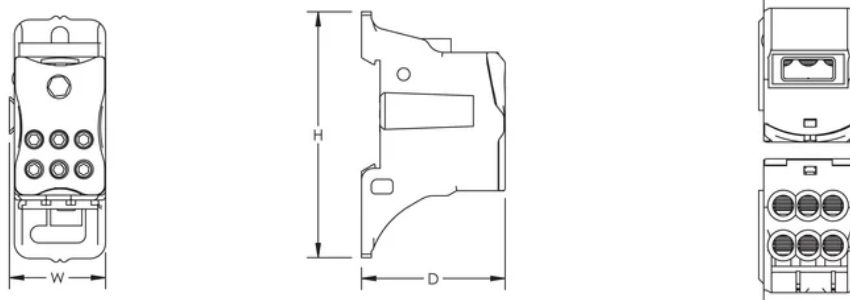
### Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

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



## WAARSCHUWING

nVent-producten moeten alleen worden geïnstalleerd en gebruikt zoals aangegeven in de instructiebladen en trainingsmateriaal van nVent. Instructiebladen zijn beschikbaar op [www.nvent.com](http://www.nvent.com) en bij uw nVent klantenservicevertegenwoordiger. Onjuiste installatie, misbruik, verkeerde toepassing of ander falen om de instructies en waarschuwingen van nVent volledig te volgen, kan leiden tot productstoringen, schade aan eigendommen, ernstig lichamelijk letsel en de dood en/of uw garantie ongeldig maken.



Our powerful portfolio of brands:  
**nVent.com CADDY ERICO HOFFMAN RAYCHEM SCHROFF**  
**TRACER**