

# Single Pole Distribution Block



## CERTIFICERINGEN



## 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

## SPECIFICATIES

**Afwerking:** Vertind

Table 1/2

| Catalogusnummer | Artikelnummer | Max. nominale stroom, IEC | Max. nominale stroom, UL/CSA | Aansluiting, lijnzijde | Aansluiting, belastingszijde | Materiaal                 |
|-----------------|---------------|---------------------------|------------------------------|------------------------|------------------------------|---------------------------|
| UD-80A          | 569010        | 80A                       | 85A                          | Kabel                  | 6 kabels                     | Copper, Thermoplastisch   |
| UDF-250A        | 569041        | 250A                      | 255A                         | Platte geleider        | 6 kabels                     | Copper, Thermoplastisch   |
| UDJ-125A        | 569020        | 125A                      | 150A                         | Kabel                  | 7 kabels                     | Copper, Thermoplastisch   |
| UDJ-160A        | 569030        | 160A                      | 200A                         | Kabel                  | 7 kabels                     | Copper, Thermoplastisch   |
| UD-400212AL     | 569251        | 400A                      | 400A                         | 2 kabels               | 12 kabels                    | Aluminum, Thermoplastisch |
| UD-400112AL     | 569252        | 400A                      | 335A                         | Kabel                  | 12 kabels                    | Aluminum, Thermoplastisch |
| UD9C630AL       | 569203        | 630A                      | 420A                         | Kabel                  | 9 kabels                     | Aluminum, Thermoplastisch |
| UDF9C500AL      | 569204        | 500A                      | 490A                         | Platte geleider        | 9 kabels                     | Aluminum, Thermoplastisch |
| UD2C12C630AL    | 569205        | 630A                      | 670A                         | 2 kabels               | 12 kabels                    | Aluminum, Thermoplastisch |
| UD6C500AL       | 569201        | 500A                      | 380A                         | Kabel                  | 6 kabels                     | Aluminum, Thermoplastisch |
| UDF6C500AL      | 569202        | 500A                      | 475A                         | Platte geleider        | 6 kabels                     | Aluminum, Thermoplastisch |
| UDF12C500AL     | 569206        | 500A                      | 500A                         | Platte geleider        | 12 kabels                    | Aluminum, Thermoplastisch |
| UDF-500A        | 569060        | 500A                      | 335A                         | Platte geleider        | 11 kabels                    | Copper, Thermoplastisch   |
| UD-400212CU     | 569051        | 400A                      | 400A                         | 2 kabels               | 12 kabels                    | Copper, Thermoplastisch   |

| Catalogusnummer | Artikelnummer | Max. nominale stroom, IEC | Max. nominale stroom,UL/CSA | Aansluiting, lijnzijde | Aansluiting, belastingszijde | Materiaal                 |
|-----------------|---------------|---------------------------|-----------------------------|------------------------|------------------------------|---------------------------|
| UD-400112CU     | 569052        | 400A                      | 335A                        | Kabel                  | 12 kabels                    | Copper, Thermoplastisch   |
| UD-400A         | 569050        | 400A                      | 335A                        | Kabel                  | 11 kabels                    | Copper, Thermoplastisch   |
| UD-250A         | 569040        | 250A                      | 255A                        | Kabel                  | 11 kabels                    | Copper, Thermoplastisch   |
| UD2C12C1000AL   | 569207        | 1000A                     | 760A                        | 2 kabels               | 12 kabels                    | Aluminum, Thermoplastisch |
| UDF12C800AL     | 569208        | 800A                      | 670A                        | Platte geleider        | 12 kabels                    | Aluminum, Thermoplastisch |
| UD2C9C1250AL    | 569209        | 1250A                     | 950A                        | 2 kabels               | 9 kabels                     | Aluminum, Thermoplastisch |
| UDF9C1000AL     | 569210        | 1000A                     | 840A                        | Platte geleider        | 9 kabels                     | Aluminum, Thermoplastisch |

Table 2/2

| Catalogusnummer | Artikelnummer | Max. geleidergrootte lijnzijde, IEC | Max. geleidergrootte belastingszijde, IEC | Max. bedrijfsspanning, IEC (Ui) | Max. bedrijfsspanning, UL (Vin) | Certificeringen                    |
|-----------------|---------------|-------------------------------------|-------------------------------------------|---------------------------------|---------------------------------|------------------------------------|
| UD-80A          | 569010        | 16 mm <sup>2</sup>                  | 16 mm <sup>2</sup>                        | 1000                            | 600                             | RoHS, CE, ERIFLEX UD, CSA, cUR, UR |
| UDF-250A        | 569041        | 70 mm <sup>2</sup>                  | 16 mm <sup>2</sup>                        | 1000                            | 600                             | cUR, UR, RoHS, CE, ERIFLEX UD      |
| UDJ-125A        | 569020        | 35 mm <sup>2</sup>                  | 16 mm <sup>2</sup>                        | 1000                            | 600                             | CE, ERIFLEX UD, CSA, cUR, UR, RoHS |
| UDJ-160A        | 569030        | 70 mm <sup>2</sup>                  | 16 mm <sup>2</sup>                        | 1000                            | 600                             | cUR, UR, RoHS, CE, ERIFLEX UD, CSA |
| UD-400212AL     | 569251        | 95 mm <sup>2</sup>                  | 10 mm <sup>2</sup>                        | 1000, 1500                      | 1000                            | cUR, UR, RoHS, CE, ERIFLEX UD, CSA |

| Catalogusnummer | Artikelnummer | Max. geleidergrootte<br>lijnzijde, IEC | Max. geleidergrootte<br>belastingzijde, IEC | Max. bedrijfsspanning, IEC (Ui) | Max. bedrijfsspanning, UL (Vin) | Certificeringen                    |
|-----------------|---------------|----------------------------------------|---------------------------------------------|---------------------------------|---------------------------------|------------------------------------|
| UD-400112AL     | 569252        | 185 mm <sup>2</sup>                    | 10 mm <sup>2</sup>                          | 1000, 1500                      | 1000                            | RoHS, CE, ERIFLEX UD, CSA, cUR, UR |
| UD9C630AL       | 569203        | 300 mm <sup>2</sup>                    | 25 mm <sup>2</sup>                          | 1000, 1500                      | 1000                            | UL, cUL, QPQS7.E497276             |
| UDF9C500AL      | 569204        | 100 mm <sup>2</sup>                    | 25 mm <sup>2</sup>                          | 1000, 1500                      | 1000                            | UL, cUL, QPQS7.E497276             |
| UD2C12C630AL    | 569205        | 185 mm <sup>2</sup>                    | 25 mm <sup>2</sup>                          | 1000, 1500                      | 1000                            | cUL, QPQS7.E497276, UL             |
| UD6C500AL       | 569201        | 240 mm <sup>2</sup>                    | 50 mm <sup>2</sup>                          | 1000, 1500                      | 1000                            | UL, cUL, QPQS7.E497276             |
| UDF6C500AL      | 569202        | 100 mm <sup>2</sup>                    | 50 mm <sup>2</sup>                          | 1000, 1500                      | 1000                            | UL, cUL, QPQS7.E497276             |
| UDF12C500AL     | 569206        | 100 mm <sup>2</sup>                    | 25 mm <sup>2</sup>                          | 1000, 1500                      | 1000                            | UL, cUL, QPQS7.E497276             |
| UDF-500A        | 569060        | 185 mm <sup>2</sup>                    | 35 mm <sup>2</sup>                          | 1000                            | 600                             | UR, RoHS, CE, ERIFLEX UD, cUR      |
| UD-400212CU     | 569051        | 95 mm <sup>2</sup>                     | 10 mm <sup>2</sup>                          | 1000, 1500                      | 1000                            | RoHS, CE, ERIFLEX UD, CSA, cUR, UR |
| UD-400112CU     | 569052        | 185 mm <sup>2</sup>                    | 10 mm <sup>2</sup>                          | 1000, 1500                      | 1000                            | RoHS, CE, ERIFLEX UD, CSA, cUR, UR |
| UD-400A         | 569050        | 185 mm <sup>2</sup>                    | 35 mm <sup>2</sup>                          | 1000                            | 600                             | RoHS, CE, ERIFLEX UD, CSA, cUR, UR |
| UD-250A         | 569040        | 120 mm <sup>2</sup>                    | 35 mm <sup>2</sup>                          | 1000                            | 600                             | RoHS, CE, ERIFLEX UD, CSA, cUR, UR |
| UD2C12C1000AL   | 569207        | 240 mm <sup>2</sup>                    | 25 mm <sup>2</sup>                          | 1000, 1500                      | 1000                            | UL, cUL, QPQS7.E497276             |
| UDF12C800AL     | 569208        | 240 mm <sup>2</sup>                    | 25 mm <sup>2</sup>                          | 1000, 1500                      | 1000                            | cUL, QPQS7.E497276, UL             |

| Catalogusnummer | Artikelnummer | Max. geleidergrootte lijnzijde, IEC | Max. geleidergrootte belastingszijde, IEC | Max. bedrijfsspanning, IEC (Ui) | Max. bedrijfsspanning, UL (Vin) | Certificeringen         |
|-----------------|---------------|-------------------------------------|-------------------------------------------|---------------------------------|---------------------------------|-------------------------|
| UD2C9C1250AL    | 569209        | 400 mm <sup>2</sup>                 | 95 mm <sup>2</sup>                        | 1000, 1500                      | 1000                            | UL, cUL, QPQS7.E49727 6 |
| UDF9C1000AL     | 569210        | 240 mm <sup>2</sup>                 | 95 mm <sup>2</sup>                        | 1000, 1500                      | 1000                            | UL, cUL, QPQS7.E49727 6 |

## AANVULLENDE PRODUCTGEGEVENS

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                            |     |     |     |      |      |      |      |      |      |      |

## 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.

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Ons krachtige merkenportfolio:

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