

# Single Pole Distribution Block

## Power Utilities



### CERTIFICATIONS



### FEATURES

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

## SPECIFICATIONS

Table 1/3

Catalog Number	Article Number	E-Number	Max Current Rating, IEC	Max Current Rating, UL/CSA	Line Side Connection	Load Side Connection
UD2C12C630AL	569205		630 A	670 A	2 Cables	12 Cables
UD-400A	569050	2674284	400 A	335 A	Cable	11 Cables
UDF12C800AL	569208		800 A	670 A	Flat Conductor	12 Cables

Table 2/3

Catalog Number	Article Number	E-Number	Line Side Max Conductor Size, IEC	Load Side Max Conductor Size, IEC	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin)
UD2C12C630AL	569205		185 mm <sup>2</sup>	25 mm <sup>2</sup>	1,000 VAC, 1,500 VDC	1,000 VAC/DC
UD-400A	569050	2674284	185 mm <sup>2</sup>	35 mm <sup>2</sup>	1,000 VAC/DC	600 V
UDF12C800AL	569208		240 mm <sup>2</sup>	25 mm <sup>2</sup>	1,000 VAC, 1,500 VDC	1,000 VAC/DC

Table 3/3

Catalog Number	Article Number	E-Number	Certifications
UD2C12C630AL	569205		UL
UD-400A	569050	2674284	cUR, CSA, UR, RoHS, CE, ERIFLEX UD
UDF12C800AL	569208		UL

## 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										

## 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](http://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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