nVent | ERIFLEX

We connect and protect

Single Pole Distribution Block



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

Finish: Tinned

SPECIFICATIONS

Table 1/2

Catalog Number	Article Number	Max Current Rating, IEC	Max Current Rating, UL/CSA	Line Side Connection	Load Side Connection	Material
UD-250A	569040	250A	255A	Cable	11 Cables	Copper, Thermoplastic
UD-400112AL	569252	400A	335A	Cable	12 Cables	Aluminum, Thermoplastic
UD-400112CU	569052	400A	335A	Cable	12 Cables	Copper, Thermoplastic
UD-400212AL	569251	400A	400A	2 Cables	12 Cables	Aluminum, Thermoplastic
UD-400212CU	569051	400A	400A	2 Cables	12 Cables	Copper, Thermoplastic

Catalog Number	Article Number	Max Current Rating, IEC	Max Current Rating, UL/CSA	Line Side Connection	Load Side Connection	Material
UD-400A	569050	400A	335A	Cable	11 Cables	Copper, Thermoplastic
UD-80A	569010	80A	85A	Cable	6 Cables	Copper, Thermoplastic
UD2C12C1000AL	569207	1000A	760A	2 Cables	12 Cables	Aluminum, Thermoplastic
UD2C12C630AL	569205	630A	670A	2 Cables	12 Cables	Aluminum, Thermoplastic
UD2C9C1250AL	569209	1250A	950A	2 Cables	9 Cables	Aluminum, Thermoplastic
UD6C500AL	569201	500A	380A	Cable	6 Cables	Aluminum, Thermoplastic
UD9C630AL	569203	630A	420A	Cable	9 Cables	Aluminum, Thermoplastic
UDF-250A	569041	250A	255A	Flat Conductor	6 Cables	Copper, Thermoplastic
UDF-500A	569060	500A	335A	Flat Conductor	11 Cables	Copper, Thermoplastic
UDF12C500AL	569206	500A	500A	Flat Conductor	12 Cables	Aluminum, Thermoplastic
UDF12C800AL	569208	800A	670A	Flat Conductor	12 Cables	Aluminum, Thermoplastic
UDF6C500AL	569202	500A	475A	Flat Conductor	6 Cables	Aluminum, Thermoplastic
UDF9C1000AL	569210	1000A	840A	Flat Conductor	9 Cables	Aluminum, Thermoplastic
UDF9C500AL	569204	500A	490A	Flat Conductor	9 Cables	Aluminum, Thermoplastic
UDJ-125A	569020	125A	150A	Cable	7 Cables	Copper, Thermoplastic

Table 2/2

Catalog Number	Article Number	Max Current Rating, IEC	Max Current Rating, UL/CSA	Line Side Connection	Load Side Connection	Material
UDJ-160A	569030	160A	200A	Cable	7 Cables	Copper, Thermoplastic

Table 1/2

Catalog Number	Article Number	Line Side Max Conductor Size, UL	Load Side Max Conductor Size, UL	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin)	Certifications
UD-250A	569040	250 kcmil	#1	1000	600	RoHS, CE, ERIFLEX UD, cUR, UR, CSA
UD-400112AL	569252	400 kcmil	#6	1000, 1500	1000	cUR, UR, CE, ERIFLEX UD, CSA, RoHS
UD-400112CU	569052	400 kcmil	#6	1000, 1500	1000	RoHS, CSA, cUR, UR, CE, ERIFLEX UD
UD-400212AL	569251	3/0 AWG	#6	1000, 1500	1000	CSA, UR, CE, ERIFLEX UD, cUR, RoHS
UD-400212CU	569051	3/0 AWG	#6	1000, 1500	1000	RoHS, CSA, CE, ERIFLEX UD, UR, cUR
UD-400A	569050	400 kcmil	#1	1000	600	CE, ERIFLEX UD, UR, CSA, cUR, RoHS
UD-80A	569010	#4	#4	1000	600	cUR, CE, ERIFLEX UD, UR, CSA, RoHS
UD2C12C1000AL	569207	500 kcmil	#4	1000, 1500	1000	UL, cUL, QPQS7.E497276
UD2C12C630AL	569205	400 kcmil	#4	1000, 1500	1000	cUL, QPQS7.E497276, UL
UD2C9C1250AL	569209	750 kcmil	3/0 AWG	1000, 1500	1000	UL, cUL, QPQS7.E497276
UD6C500AL	569201	500 kcmil	1/0 AWG	1000, 1500	1000	cUL, QPQS7.E497276, UL
UD9C630AL	569203	600 kcmil	#4	1000, 1500	1000	UL, cUL, QPQS7.E497276
UDF-250A	569041	70 mm²	#4	1000	600	CE, ERIFLEX UD, cUR, UR, RoHS
UDF-500A	569060	185 mm²	#1	1000	600	RoHS, CE, ERIFLEX UD, cUR, UR
UDF12C500AL	569206	100 mm²	#4	1000, 1500	1000	cUL, QPQS7.E497276, UL

Catalog Number	Article Number	Line Side Max Conductor Size, UL	Load Side Max Conductor Size, UL	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin)	Certifications
UDF12C800AL	569208	240 mm²	#4	1000, 1500	1000	UL, cUL, QPQS7.E497276
UDF6C500AL	569202	100 mm²	1/0 AWG	1000, 1500	1000	cUL, QPQS7.E497276, UL
UDF9C1000AL	569210	240 mm²	3/0 AWG	1000, 1500	1000	UL, cUL, QPQS7.E497276
UDF9C500AL	569204	100 mm²	#4	1000, 1500	1000	cUL, QPQS7.E497276, UL
UDJ-125A	569020	1/0 AWG	#4	1000	600	RoHS, UR, CE, ERIFLEX UD, cUR, CSA

Table 2/2

Catalog Number	Article Number	Line Side Max Conductor Size, UL	Load Side Max Conductor Size, UL	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin)	Certifications
UDJ-160A	569030	3/0 AWG	#4	1000	600	CE, ERIFLEX UD, CSA, cUR, UR, RoHS

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 (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
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 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.

North America
+1.800.753.9221
Option 1 – Customer Care
Option 2 – Technical Support

Europe
Netherlands:
+31 800-0200135
France:
+33 800 901 793

Europe
Germany:
800 1890272
Other Countries:
+31 13 5835404

APAC
Shanghai:
+ 86 21 2412 1618/19
Sydney:
+61 2 9751 8500

©2026 nVent. All nVent marks and logos are owned or licensed by nVent Services GmbH or its affiliates. All other trademarks are the property of their respective owners. nVent reserves the right to change specifications without notice.

This document is system-generated.