

SINGLE POLE DIST. BLOCK, 335 A UL/CSA, FLAT COND. LINE, 11 CABLES LOAD, COPPER

CATALOG NUMBER

UDF-500A



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

PRODUCT ATTRIBUTES

Article Number: 569060

Finish: Tinned

Max Current Rating, IEC: 500 A

Max Current Rating, UL/CSA: 335 A

Line Side Connection: Flat Conductor

Load Side Connection: 11 Cables

Material: Copper;Thermoplastic

Line Side Max Conductor Size, IEC: 185 mm²

Load Side Max Conductor Size, IEC: 35 mm²

Max Working Voltage, IEC (Ui): 1,000 VAC/DC

Max Working Voltage, UL (Vin): 600 V

Short Term Withstand Current (Icw) 1s: 24.5 kA

Peak Short Circuit Current (Ipk): 51 kA

Rated Conditional Short-Circuit Current (Icc): 24.3 kA

Short Circuit Current Rating (SCCR): 10 kA

Line Side Number of Connections: 1

Load Side Number of Connections: 11

Load Side Wire Size: (2) #10 - #1;(5) #14 - #4;(4) #14 - #6

Load Side Stranded Wire Size - Ferrule: (2) 6 - 25 mm²;(4) 2,5 - 10 mm²;(5) 2,5 - 16 mm²

Load Side Compact Stranded Wire Size: (2) 6 - 35 mm²;(4) 2,5 - 10 mm²;(5) 2,5 - 16 mm²

Enclosure Rating: IP 20

Depth (D): 50 mm

Height (H): 96 mm

Width (W): 49 mm

Unit Weight: 0.370 kg

Certification Details: UL® 1059

Flammability Rating: UL® 94V-0

Complies With: 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										

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.

Noord-Amerika

+1.800.753.9221

Optie 1 - de Zorg van de Klant

Optie 2 - Technische Steun

Europa

Nederland:

+31 800-0200135

Frankrijk:

+33 800 901 793

Europa

Duitsland:

800 1890272

Andere Landen:

+31 13 5835404

APAC

Shanghai:

+ 86 21 2412 1618/19

Sydney:

+61 2 9751 8500



Onze krachtige portefeuille van merken:

nVent.com CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER