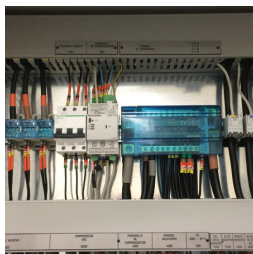
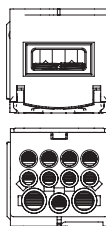
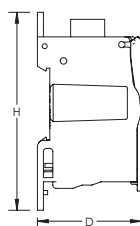
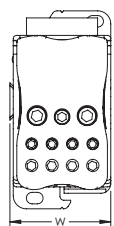


Single Pole Distribution Block – UDF-500A (569060)



- 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
- Halogen free plastic housing excluding the blue protection cover



Part Number	UDF-500A
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 mm ²
Load Side Max Conductor Size, IEC	35 mm ²
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)	100 kA
Line Side Number of Connections	1
Load Side Number of Connections	11
Load Side Compact Stranded Wire Size	(2) 6 - 35 mm ² (4) 2,5 - 10 mm ² (5) 2,5 - 16 mm ²

Part Number	UDF-500A
Load Side Stranded Wire Size - Ferrule	(2) 6 - 25 mm ² (4) 2,5 - 10 mm ² (5) 2,5 - 16 mm ²
Load Side Wire Size	(2) #10 - #1 (5) #14 - #4 (4) #14 - #6
Enclosure Rating	IP 20
Depth	50 mm
Height	96 mm
Width	49 mm
Unit Weight	0,37 kg
Certification Details	UL® 1059
Flammability Rating	UL® 94V-0
Complies With	IEC® 60947-7-1
Certifications	CE, ERIFLEX UD cURus EAC 02942 (Russian Federation) RoHS
Standard Packaging Quantity	1 pc
UPC	78285659424
EAN-13	8711893042696

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										

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.

Blue protection cover is less than 7% of the overall product weight.

IEC is a registered trademark of the International Electrotechnical Commission. UL, UR, cUL, cULus and cURus are registered certification marks of UL LLC.

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.erico.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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