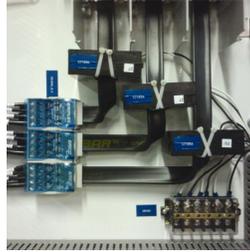
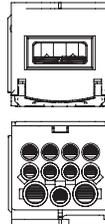
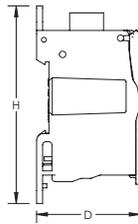
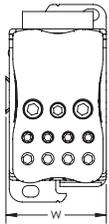


# UDF-500A Single Pole Distribution Block – UDF-500A (569060)



- Directly connect ERICO® FLEXIBAR® on line side
- Tinned copper block allows for copper or aluminum conductor connections
- Screw retaining cover is hinged and removable
- Design allows for visual inspection of conductor and confirmation of connection
- Gangable for building multi-pole power blocks
- Easily clips onto DIN rail or mounts to panel with screws
- 95% fill ratio
- Halogen free
- RoHS compliant



Part Number	UDF-500A
Article Number	569060
Material	Copper Thermoplastic
Finish	Tinned
Max Current Rating, IEC	500 A
Max Current Rating, UL/CSA	335 A
Short Term Withstand Current (Icw) 1s	24.5 kA
Peak Short Circuit Current (Ipk)	51 kA
Short Circuit Current Rating (SCCR)	10 kA
Max Working Voltage, IEC (Ui)	1,000 VAC/DC
Max Working Voltage, UL (Vin)	600 V
Line Side Number of Connections	1
Load Side Number of Connections	11
Load Side Compact Stranded Wire Size	(2) 6 – 35 mm <sup>2</sup> (4) 2,5 – 10 mm <sup>2</sup> (5) 2,5 – 16 mm <sup>2</sup>
Load Side Stranded Wire Size - Ferrule	(2) 6 - 25 mm <sup>2</sup> (4) 2,5 - 10 mm <sup>2</sup> (5) 2,5 - 16 mm <sup>2</sup>
Load Side Wire Size	(2) #8 - #1 (4) #8 - #6 (5) #8 - #4



<b>Part Number</b>	<b>UDF-500A</b>
Enclosure Rating	IP 20
Depth (D)	50 mm
Height (H)	96 mm
Width (W)	49 mm
Unit Weight	0.37 kg
Certification Details	UL® 1059
Flammability Rating	UL® 94V-0
Complies With	IEC® 60947-7-1
Certifications	cURus EAC 0234267 (Russian Federation)
Standard Packaging Quantity	1 pc
UPC	78285659424
EAN-13	8711893042696

Line Side ERICO® FLEXIBAR® Size		
Conducting Layers	Conductor Width	Lamination Thickness
4 - 6	15,5 mm	0,8 mm
2 - 6	20 mm	1 mm
2 - 8	24 mm	1 mm

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										

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**WARNING**

ERICO products shall be installed and used only as indicated in ERICO's product instruction sheets and training materials. Instruction sheets are available at [www.erico.com](http://www.erico.com) and from your ERICO customer service representative. Improper installation, misuse, misapplication or other failure to completely follow ERICO's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death.

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