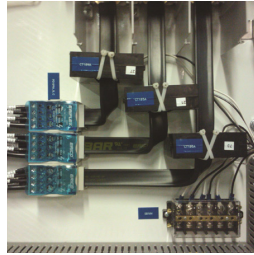
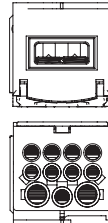
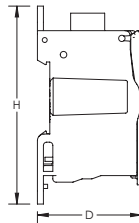
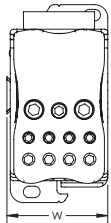


UDF-500A Single Pole Distribution Block



- Directly connect nVent ERIFLEX 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
- Modular snap-together blocks for building multi-pole power blocks
- Easily clips onto DIN rail or mounts to panel with screws
- 95% fill ratio
- Halogen free
- RoHS compliant



Material: Copper, Thermoplastic
Finish: Tinned

Part Number	UDF-500A
Article Number	569060
Max Current Rating, IEC	500 A
Max Current Rating, UL/CSA	335 A
Short Term Withstand Current (I _{cw}) 1s	24.5 kA
Peak Short Circuit Current (I _{pk})	51 kA
Short Circuit Current Rating (SCCR)	100 kA
Max Working Voltage, IEC (U _i)	1,000 VAC/DC
Max Working Voltage, UL (V _{in})	600 V
Line Side Number of Connections	1
Line Side Wire Size	-
Load Side Number of Connections	11
Line Side Max Conductor Size, IEC	185 mm ²
Load Side Compact Stranded Wire Size	(2) 6 - 35 mm ² (4) 2,5 - 10 mm ² (5) 2,5 - 16 mm ²
Load Side Max Conductor Size, IEC	35 mm ²
Load Side Stranded Wire Size - Ferrule	(2) 6 - 25 mm ² (4) 2,5 - 10 mm ² (5) 2,5 - 16 mm ²

Part Number	UDF-500A
Load Side Wire Size	(2) #10 - #1 (5) #14 - #4 (4) #14 - #6
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

Line Side ERIFLEX 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

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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