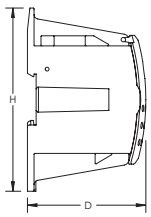
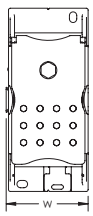
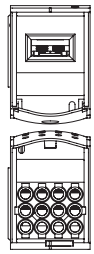
Single Pole Distribution Block – UDF12C500AL (569206)

- 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
- Halogen free
- RoHS compliant







Part Number	UDF12C500AL
Article Number	569206
Finish	Tinned
Max Current Rating, IEC	500 A
Max Current Rating, UL/CSA	500 A
Line Side Connection	Flat Conductor
Load Side Connection	12 Cables
Material	Aluminum Thermoplastic
Line Side Max Conductor Size, IEC	100 mm²
Load Side Max Conductor Size, IEC	16 mm²
Max Working Voltage, IEC (Ui)	1,000 VAC 1,500 VDC
Max Working Voltage, UL (Vin)	1,000 VAC/DC
Short Term Withstand Current (Icw) 1s	34.3 kA
Peak Short Circuit Current (Ipk)	52.5 kA
Short Circuit Current Rating (SCCR)	100 kA
Line Side Number of Connections	1
Line Side Insulated Power Braid Cross Section	50 mm² 70 mm² 100 mm²
Line Side nVent ERIFLEX Flexibar Size	2x20x1 - 10x24x1
Load Side Number of Connections	12

Part Number	UDF12C500AL
Load Side Compact Stranded Wire Size	4 - 25 mm²
Load Side Stranded Wire Size - Ferrule	#12 - # 6
Load Side Wire Size	#12 - #4
Enclosure Rating	IP 20
Depth	127 mm
Height	78 mm
Width	43.7 mm
Unit Weight	0.36 kg
Certification Details	UL® 1953
Flammability Rating	UL® 94V-0
Complies With	IEC® 60947-7-1
Certifications	UL
Standard Packaging Quantity	1 pc
UPC	78285697540
EAN-13	0782856975403

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.