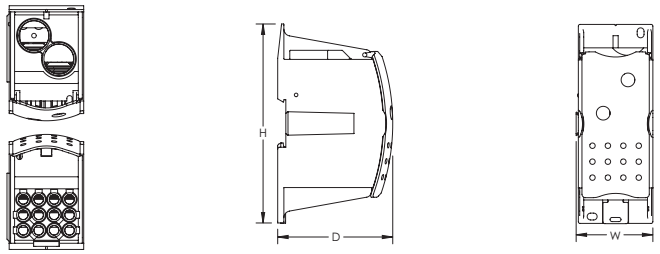
Single Pole Distribution Block – UD2C12C1000AL (569207)

- 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	UD2C12C1000AL
Article Number	569207
Finish	Tinned
Max Current Rating, IEC	1,000 A
Max Current Rating, UL/CSA	760 A
Line Side Connection	2 Cables
Load Side Connection	12 Cables
Material	Aluminum Thermoplastic
Line Side Max Conductor Size, IEC	240 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	42.9 kA
Peak Short Circuit Current (Ipk)	73.5 kA
Short Circuit Current Rating (SCCR)	100 kA
Line Side Number of Connections	2
Line Side Compact Stranded Wire Size	35 - 240 mm²
Line Side Wire Size	#2 – 500 kcmil
Load Side Number of Connections	12
Load Side Compact Stranded Wire Size	4 - 25 mm²

Part Number	UD2C12C1000AL
Load Side Stranded Wire Size - Ferrule	#12 - # 6
Load Side Wire Size	#10 - #4
Enclosure Rating	IP 20
Depth	147.3 mm
Height	79.8 mm
Width	55.2 mm
Unit Weight	0.45 kg
Certification Details	UL® 1953
Flammability Rating	UL® 94V-0
Complies With	IEC® 60947-7-1
Certifications	UL
Standard Packaging Quantity	1 pc
UPC	78285697541
EAN-13	0782856975410

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.