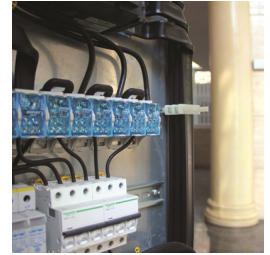
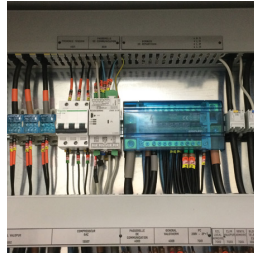
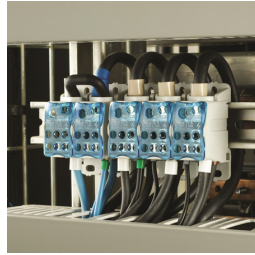
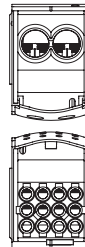
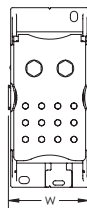
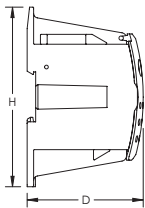


# Single Pole Distribution Block – UD2C12C630AL (569205)



- 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
- Conforms to EN 45545 obtaining an HL3 classification for chapter R23 and HL2 classification for chapter R22
- Halogen free



Part Number	UD2C12C630AL
Article Number	569205
Finish	Tinned
Max Current Rating, IEC	630 A
Max Current Rating, UL/CSA	670 A
Line Side Connection	2 Cables
Load Side Connection	12 Cables
Material	Aluminum Thermoplastic
Line Side Max Conductor Size, IEC	185 mm <sup>2</sup>
Load Side Max Conductor Size, IEC	25 mm <sup>2</sup>
Max Working Voltage, IEC (Ui)	1,000 VAC 1,500 VDC
Max Working Voltage, UL (Vin)	1,000 VAC/DC
Short Term Withstand Current (I <sub>cw</sub> ) 1s	42.9 kA
Peak Short Circuit Current (I <sub>pk</sub> )	52.5 kA
Rated Conditional Short-Circuit Current (I <sub>cc</sub> )	25 kA
Short Circuit Current Rating (SCCR)	100 kA
Line Side Number of Connections	2
Line Side Compact Stranded Wire Size	95 - 185 mm <sup>2</sup>
Line Side Wire Size	3/0 - 400 kcmil

Part Number	UD2C12C630AL
Load Side Number of Connections	12
Load Side Compact Stranded Wire Size	4 - 25 mm <sup>2</sup>
Load Side Stranded Wire Size - Ferrule	#12 - # 6
Load Side Wire Size	#12 - #4
Enclosure Rating	IP 20
Depth	127 mm
Height	82.1 mm
Width	55.2 mm
Unit Weight	0.34 kg
Certification Details	UL <sup>®</sup> 1953
Flammability Rating	UL <sup>®</sup> 94V-0
Complies With	IEC <sup>®</sup> 60947-7-1
Certifications	EN 45545 HL3/R23, UD/BD/TD/SB UL
Standard Packaging Quantity	1 pc
UPC	78285697539
EAN-13	0782856975397

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.

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#### WARNING

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