

# SINGLE POLE DIST. BLOCK, 670 A UL/CSA, 2 CABLES LINE, 12 CABLES LOAD, ALUMINUM

CATALOG NUMBER

# UD2C12C630AL



### CERTIFICATIONS



#### FEATURES

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

### **PRODUCT ATTRIBUTES**

Article Number: 569205

Finish: Tinned

Max Current Rating, IEC: 630 A

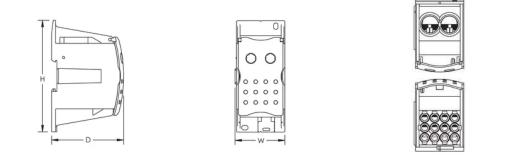
Max Current Rating, UL/CSA: 670 A
Line Side Connection: 2 Cables
Load Side Connection: 12 Cables
Material: Aluminum; Thermoplastic
Line Side Max Conductor Size, UL: 400 kcmil
Load Side Max Conductor Size, UL: #4
Max Working Voltage, IEC (Ui): 1000; 1500
Max Working Voltage, UL (Vin): 1000
Short Term Withstand Current (Icw) 1s: 42.9 kA
Peak Short Circuit Current (Ipk): 52.5 kA
Rated Conditional Short-Circuit Current (Icc): 25 kA
Short Circuit Current Rating (SCCR): 100 kA
Line Side Number of Connections: 2
Line Side Compact Stranded Wire Size: 95 - 185 mm²
Line Side Wire Size: 3 – 400
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 (D): 5"
Height (H): 3.23"
Width (W): 2.17"
Unit Weight: 0.75 lb
Certification Details: UL® 1953
Flammability Rating: UL® 94V-0
Complies With: IEC® 60947-7-1

## ADDITIONAL PRODUCT DETAILS

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.

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals										
Derating according to Ambient*	Temperature	(°F) to mai	ntain workin	g temperati	ure of 185°F	:				
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47



#### 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.nvent.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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