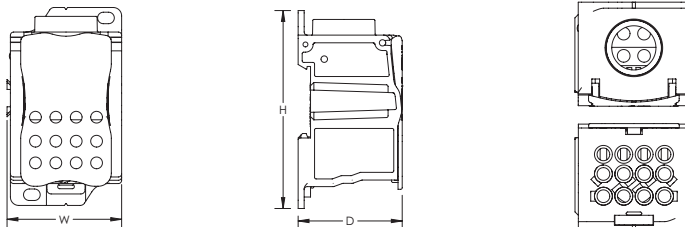


UD-400A-112AL Single Pole Distribution Block



- Ideal for solar applications
- Tinned aluminium block allows for copper or aluminum cable
- 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: Aluminum, Thermoplastic
Finish: Tinned

Part Number	UD-400112AL
Article Number	569252
Max Current Rating, IEC	400 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 1,500 VDC
Max Working Voltage, UL (V _{in})	1,000 VAC/DC
Line Side Number of Connections	1
Line Side Compact Stranded Wire Size	95 - 185 mm ²
Line Side Wire Size	3/0 - 400 kcmil
Load Side Number of Connections	12
Line Side Max Conductor Size, IEC	185 mm ²
Load Side Compact Stranded Wire Size	(12) 2,5 - 10 mm ²
Load Side Max Conductor Size, IEC	10 mm ²
Load Side Stranded Wire Size - Ferrule	(12) 2,5 - 10 mm ²

Part Number	UD-400112AL
Load Side Wire Size	(12) #14 - #6
Enclosure Rating	IP 20
Depth (D)	50 mm
Height (H)	96 mm
Width (W)	55.73 mm
Unit Weight	0.18 kg
Certification Details	UL® 1059
Flammability Rating	UL® 94V-0
Complies With	IEC® 60947-7-1

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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