We connect and protect

# Single Pole Distribution Block, 400 A IEC, Cable Line, 11 Cables Load, Copper

## Data Solutions

### CATALOG NUMBER

**UD-400A**

### 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: 569050

Finish: Tinned

Max Current Rating, IEC: 400A

Max Current Rating, UL/CSA: 335A

Line Side Connection: Cable

Load Side Connection: 11 Cables

Material: Copper; Thermoplastic

Line Side Max Conductor Size, IEC: 185 mm²

Load Side Max Conductor Size, IEC: 35 mm²

Max Working Voltage, IEC (Ui): 1000

Max Working Voltage, UL (Vin): 600

Short Term Withstand Current (Icw) 1s: 24.5kA

Peak Short Circuit Current (Ipk): 51kA

Rated Conditional Short-Circuit Current (Icc): 24.3kA

Short Circuit Current Rating (SCCR): 100kA

Line Side Number of Connections: 1

Line Side Compact Stranded Wire Size: 95 - 185 mm²

Line Side Wire Size: 3 – 400

Load Side Number of Connections: 11

Load Side Compact Stranded Wire Size: (2) 6 - 35 mm²; (5) 2,5 - 16 mm²; (4) 2,5 - 10 mm²

Load Side Stranded Wire Size - Ferrule: (2) 6 - 25 mm²; (5) 2,5 - 16 mm²; (4) 2,5 - 10 mm²

Load Side Wire Size: (2) #10 - #1; (5) #14 - #4; (4) #14 - #6

Enclosure Rating: IP 20

Depth (D): 50mm

Height (H): 96mm

Width (W): 49mm

Unit Weight: 0.4kg

Certification Details: UL® 1059

Flammability Rating: UL® 94V-0

Complies With: IEC® 60947-7-1

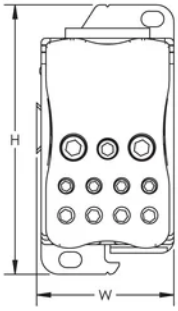
## ADDITIONAL PRODUCT DETAILS

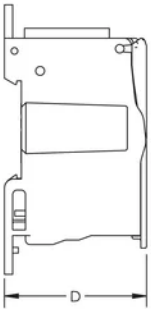
Increase the number of outputs with one input using a jumper on blocks with a Max Current Rating, IEC up to 160 A.

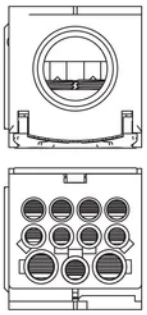
Blocks with 1,000 VAC/DC Max Working Voltage, UL are ideal for solar applications.

| Design Guideline for Distribution Blocks, Power Blocks and Power Terminals | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Derating according to Ambient* Temperature (°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 | | | | | | | | | | |

## DIAGRAMS



## WARNING

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