nVent
DATA-SOLUTIONS

SINGLE POLE DIST. BLOCK, 500 A IEC, FLAT CONDUCTOR LINE, 9 CABLES LOAD, ALUMINUM

KATALOGNUMMER

UDF9C500AL

CERTIFICATIONS

DESIGN

- 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

PRODUKTATTRIBUT

Article Number: 569204

Finish: Tinned
Max Current Rating, IEC: 500A
Max Current Rating, UL/CSA: 490A
Line Side Connection: Flat Conductor
Load Side Connection: 9 Cables
Material: Aluminum; Thermoplastic
Line Side Max Conductor Size, IEC: 100 mm²
Load Side Max Conductor Size, IEC: 25 mm²
Max Working Voltage, IEC (Ui): 1000; 1500
Max Working Voltage, UL (Vin): 1000
Short Term Withstand Current (Icw) 1s: 32.2kA
Peak Short Circuit Current (Ipk): 52.5kA
Rated Conditional Short-Circuit Current (Icc): 25kA
Short Circuit Current Rating (SCCR): 100kA
Line Side Number of Connections: 1
Line Side Insulated Power Braid Cross Section: 50mm²; 70mm²; 100mm²
Line Side nVent ERIFLEX Flexibar Size: 2x20x1 - 10x24x1
Load Side Number of Connections: 9
Load Side Compact Stranded Wire Size: 4 - 25 mm²
Load Side Stranded Wire Size - Ferrule: #12 - # 6
Load Side Wire Size: #12 - #4
Enclosure Rating: IP 20
Depth (D): 127mm
Height (H): 78mm
Width (W): 43.7mm
Unit Weight: 0.27kg
Certification Details: UL® 1953
Flammability Rating: UL® 94V-0
Complies With: IEC® 60947-7-1

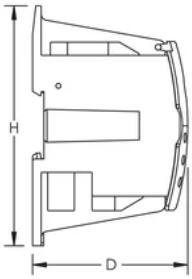
ADDITIONAL PRODUCT DETAILS

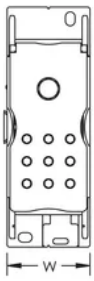
Increase the number of outputs with one input using a jumper on blocks with a Max Current Rating, IEC up to 160 A.

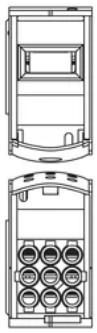
Blocks with 1,000 VAC/DC Max Working Voltage, UL are ideal for solar applications.

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







VARNING

nVent produkter ska installeras och användas endast så som anges i nVents bruksanvisning och utbildningsmaterial. Bruksanvisningar är tillgängliga på www.nvent.com och från din nVent kundtjänstrepresentant. Felaktig installation, missbruk, felapplicering eller annan brist i att helt följa nVents instruktioner och varningar kan orsaka att produkten brister, egendomsskador, allvarliga kroppsskador och dödsfall och/eller ogiltigförklara din garanti.