nVent
DATA-SOLUTIONS

SINGLE POLE DIST. BLOCK, 800 A IEC, FLAT COND. LINE, 12 CABLES LOAD, ALUMINUM

NÚMERO DE CATÁLOGO

UDF12C800AL

CERTIFICATIONS

CARACTERISTICAS

- 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

CARATERÍSTICAS DO PRODUTO

Article Number: 569208

Acabamento: Tinned
Max Current Rating, IEC: 800A
Max Current Rating, UL/CSA: 670A
Line Side Connection: Flat Conductor
Copy of Copy of Output Connection: 12 Cables
Material: Aluminum; Thermoplastic
Line Side Max Conductor Size, IEC: 240 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: 42.9kA
Peak Short Circuit Current (Ipk): 73.5kA
Rated Conditional Short-Circuit Current (Icc): 35kA
Classificação de corrente de curto-circuito (SCCR): 100kA
Line Side Number of Connections: 1
Line Side Insulated Power Braid Cross Section: 50mm²; 70mm²; 100mm²; 120mm²; 185mm²; 240mm²
Line Side nVent ERIFLEX Flexibar Size: 2x20x1 - 10x32x1
Load Side Number of Connections: 12
Load Side Compact Stranded Wire Size: 4 - 25 mm²
Load Side Stranded Wire Size - Ferrule: #12 - # 6
Load Side Wire Size: #12 - #4
Classificação do gabinete: IP 20
Profundidade (D): 147.3mm
Altura (H): 85.2mm
Largura (W): 55.2mm
Peso unitário: 0.45kg
Certification Details: UL® 1953
Flammability Rating: UL® 94V-0
Em conformidade com: IEC® 60947-7-1

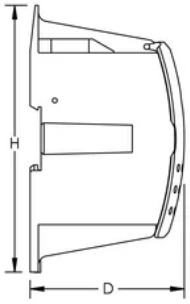
ADDITIONAL PRODUCT DETAILS

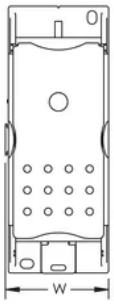
Increase the number of outputs with one input using a jumper on blocks with a Max Current Rating, IEC up to 160 A.

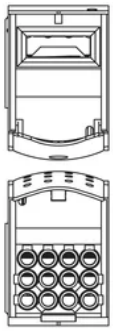
Blocks with 1,000 VAC/DC Max Working Voltage, UL are ideal for solar applications.

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







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