

Four Pole Distribution Block, 80/100 A, 2 Line Side & 9 Load Side Connections

Data Solutions

CATALOG NUMBER

TD-80-100AL



CERTIFICATIONS



FEATURES

Minimum space for maximum power

Protection cover and insulating screens are transparent

Insulating screen between each row

Easy and safe connections

Easily clips onto DIN rail or mounts to panel with screws

Solid bars provide reliability

Wiring with or without terminal

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: 563930
Material: Thermoplastic; Brass
Max Current Rating, IEC: 100A
Short Term Withstand Current (Icw) 1s: 4.5kA
Peak Short Circuit Current (Ipk): 20kA
Max Working Voltage, IEC (Ui): 500V
Line Side Number of Connections: 2
Line Side Compact Stranded Wire Size: 10 - 25 mm²
Line Side Stranded Wire Size - Ferrule: 10 – 25mm²
Load Side Number of Connections: 9
Load Side Compact Stranded Wire Size: (4) 1,5 - 4 mm²; (5) 2,5 - 6 mm²
Load Side Stranded Wire Size - Ferrule: (4) 0,75 – 4 mm²; (5) 1,5 – 6 mm²
Depth (D): 50mm
Height (H): 90mm
Width (W): 100mm
Unit Weight: 0.31kg
Flammability Rating: UL® 94V-0
Complies With: IEC® 60947-7-1

ADDITIONAL PRODUCT DETAILS

Line side and load side number of connections are per pole.

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

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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