

TDL Compact Four Pole Distribution Block, 400 A

Data Solutions



CERTIFICATIONS



FEATURES

Connect nVent ERIFLEX Flexibar, insulated braided conductor or cable with lug on line side

Tinned copper bars allows for copper or aluminum cable

Transparent protection covers

Easy and safe connections

Easily clips onto DIN rail or mounts to panel with screws

Solid bars provide reliability

Input separated from outputs

Supports wiring from both sides

Design allows for visual inspection of conductor and confirmation of connection

Large end terminals

High percentage of fill ratio

Wiring with or without terminal

RoHS compliant

Halogen free

SPECIFICATIONS

Catalog Number	TDL-400A
Article Number	563995
Material	Copper Thermoplastic
Finish	Tinned
Max Current Rating, IEC	400A
Max Current Rating, UL/CSA	400A
Short Term Withstand Current (I _{cw}) 1s	23kA
Peak Short Circuit Current (I _{pk})	51kA
Max Working Voltage, IEC (U _i)	1000 1500
Max Working Voltage, UL (V _{in})	600
Line Side Number of Connections	1
Line Side Compact Stranded Wire Size	35 - 120 mm ²
Line Side Conductor Width	20 – 24mm
Line Side Stranded Wire Size - Ferrule	35 – 120mm ²
Line Side Wire Size	1 – 250
Load Side Number of Connections	14
Load Side Compact Stranded Wire Size	(1) 10 - 50 mm ² (2) 10 - 35 mm ² (4) 6 - 25 mm ² (7) 2,5 - 16 mm ²
Load Side Stranded Wire Size - Ferrule	(1) 10 - 35 mm ² (2) 10 – 25 mm ² (4) 6 - 16 mm ² (7) 2,5 - 10 mm ²
Load Side Wire Size	(1) #6 – 1/0 (2) #8 - #1 (4) #10 - #3 (7) #10 - #5
Depth (D)	121mm
Height (H)	156mm
Width (W)	224mm
Unit Weight	1.69kg

Catalog Number	TDL-400A
Enclosure Rating	IP 10
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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