

TDL COMPACT FOUR POLE DISTRIBUTION BLOCK, 400 A



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
- Conforms to EN 45545 obtaining an HL3 classification for chapter R23 and HL2 classification for chapter R22
- Halogen free

SPECIFICATIONS

Catalog Number	TDL-400A
Article Number	563995

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

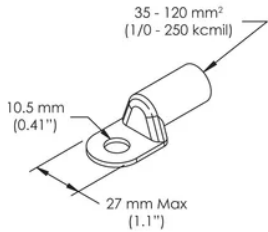
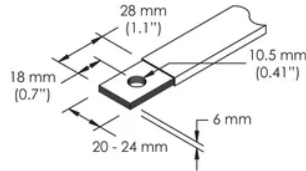
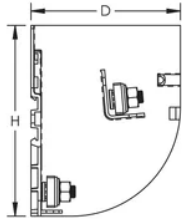
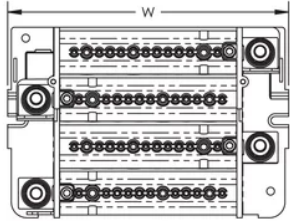
Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

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.

North America

+1.800.753.9221
Option 1 – Customer Care
Option 2 – Technical Support

Europe

Netherlands:
+31 800-0200135
France:
+33 800 901 793

Europe

Germany:
800 1890272
Other Countries:
+31 13 5835404

APAC

Shanghai:
+ 86 21 2412 1618/19
Sydney:
+61 2 9751 8500



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