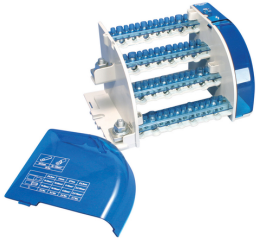


TDL COMPACT FOUR POLE DISTRIBUTION BLOCK, 400 A



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

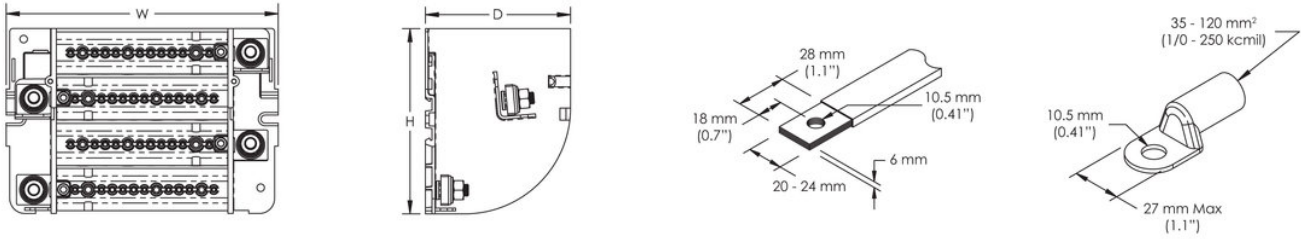
Product Attribute	Value
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Catalog Number	TDL-400A
Item Name	563995
Material	Copper Thermoplastic
Finish	Tinned
Max Current Rating, IEC	400 A
Max Current Rating, UL/CSA	400 A
Short Term Withstand Current (Icw) 1s	23 kA
Peak Short Circuit Current (Ipk)	51 kA
Max Working Voltage, IEC (Ui)	1,000 VAC 1,500 VDC
Max Working Voltage, UL (Vin)	600 V
Line Side Number of Connections	1
Line Side Stranded Wire Size - Ferrule	35 – 120 mm ²
Line Side Wire Size	1/0 – 250 kcmil
Line Side Conductor Width	20 – 24 mm
Line Side Compact Stranded Wire Size	35 - 120 mm ²
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
Width(W)	8.820"
Height(H)	6.140"
Depth(D)	4 3/4"
Unit Weight	3.730 lb
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.

DIAGRAMS



Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature (°F) to maintain working temperature of 185°F

Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
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

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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nVent reserves the right to change specifications without notice.