nVent | ERIFLEX

We connect and protect

Four Pole Distribution Block, 400 A, 1 Line Side & 14 Load Side Connections

CATALOG NUMBER

TDL-400A

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 percentange 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

PRODUCT ATTRIBUTES

Article Number: 563995

Material: Copper;Thermoplastic

Finish: Tinned

Max Current Rating, IEC: 400A

Max Current Rating, UL/CSA: 400A

Short Term Withstand Current (Icw) 1s: 23kA

Peak Short Circuit Current (Ipk): 51kA

Max Working Voltage, IEC (Ui): 1000;1500

Max Working Voltage, UL (Vin): 600

Line Side Number of Connections: 1

Line Side Compact Stranded Wire Size: 35 - 120 mm^2

Line Side Conductor Width: 20 - 24 mm

Line Side Stranded Wire Size - Ferrule: 35 - 120 mm^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): 156 mm

Width (W): 224 mm

Unit Weight: 1.69 kg

Enclosure Rating: IP 10

Flammability Rating: UL® 94V-0

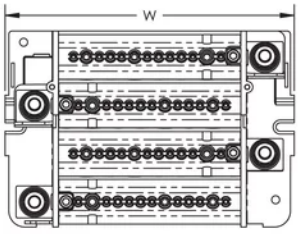
Complies With: IEC® 60947-7-1

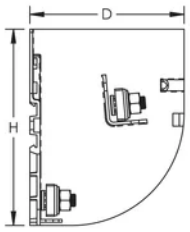
ADDITIONAL PRODUCT DETAILS

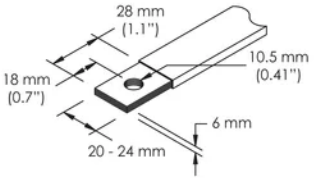
Line side and load side number of connections are per pole.

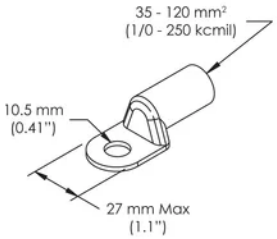
Design Guideline for Distribution Blocks, Power Blocks and Power Terminals										
Derating according to Ambient* Temperature (°C) to maintain working temperature of 85°C										
Ambient Temperature (°C)	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	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.

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