

## TDL COMPACT FOUR POLE DISTRIBUTION BLOCK, 400 A



### CERTIFICATIONS



### DESIGN

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

## SPECIFIKATIONER

Table 1/5

| Katalognummer | Article Number | Finish | Max Current Rating, IEC | Max Current Rating, UL/CSA | Peak Short Circuit Current (I <sub>pk</sub> ) | Line Side Wire Size |
|---------------|----------------|--------|-------------------------|----------------------------|-----------------------------------------------|---------------------|
| TDL-400A      | 563995         | Tinned | 400A                    | 400A                       | 51kA                                          | 1 – 250             |

Table 2/5

| Katalognummer | Article Number | Line Side Conductor Width | Line Side Stranded Wire Size - Ferrule | Line Side Compact Stranded Wire Size | Material              | Short Term Withstand Current (I <sub>cw</sub> ) 1s |
|---------------|----------------|---------------------------|----------------------------------------|--------------------------------------|-----------------------|----------------------------------------------------|
| TDL-400A      | 563995         | 20 – 24mm                 | 35 – 120mm <sup>2</sup>                | 35 - 120 mm <sup>2</sup>             | Copper, Thermoplastic | 23kA                                               |

Table 3/5

| Katalognummer | Article Number | Line Side Number of Connections | Load Side Number of Connections | Load Side Compact Stranded Wire Size                                                                                           | Load Side Wire Size                                   | Load Side Stranded Wire Size - Ferrule                                                                                   |
|---------------|----------------|---------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| TDL-400A      | 563995         | 1                               | 14                              | (1) 10 - 50 mm <sup>2</sup> ,<br>(2) 10 - 35 mm <sup>2</sup> ,<br>(4) 6 - 25 mm <sup>2</sup> ,<br>(7) 2,5 - 16 mm <sup>2</sup> | (1) #6 – 1/0, (2) #8 - #1, (4) #10 - #3, (7) #10 - #5 | (1) 10 - 35 mm <sup>2</sup> ,<br>(2) 10 – 25 mm <sup>2</sup> , (4) 6 - 16 mm <sup>2</sup> , (7) 2,5 - 10 mm <sup>2</sup> |

Table 4/5

| Katalognummer | Article Number | Max Working Voltage, IEC (U <sub>i</sub> ) | Max Working Voltage, UL (V <sub>in</sub> ) | Höjd (H) | Bredd (W) | Djup (D) |
|---------------|----------------|--------------------------------------------|--------------------------------------------|----------|-----------|----------|
| TDL-400A      | 563995         | 1000, 1500                                 | 600                                        | 156mm    | 224mm     | 121mm    |

Table 5/5

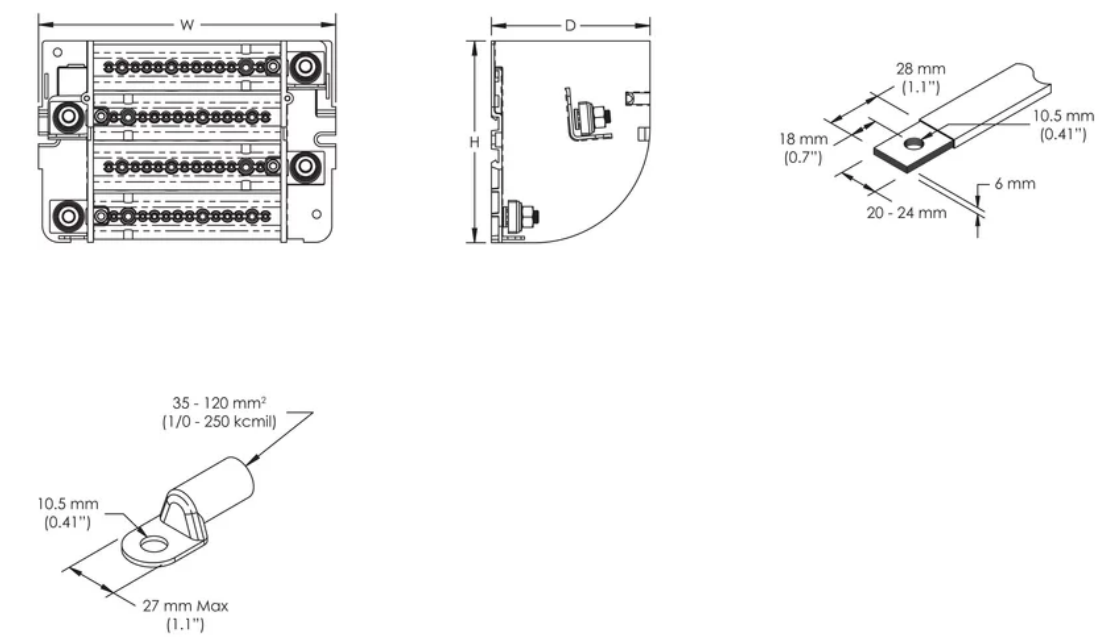
| Katalognummer | Article Number | Inkapslingsmaterial | Enhetsvikt | Flammability Rating | Uppfyller kraven enligt |
|---------------|----------------|---------------------|------------|---------------------|-------------------------|
| TDL-400A      | 563995         | IP 10               | 1.69kg     | UL® 94V-0           | 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



## VARNING

nVent produkter ska installeras och användas endast så som anges i nVents bruksanvisning och utbildningsmaterial. Bruksanvisningar är tillgängliga på [www.nvent.com](http://www.nvent.com) och från din nVent kundtjänstrepresentant. Felaktig installation, missbruk, felapplicering eller annan brist i att helt följa nVents instruktioner och varningar kan orsaka att produkten brister, egendomsskador, allvarliga kroppsskador och dödsfall och/eller ogiltigförklara din garanti.



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