

# TD Compact Four Pole Distribution Block, 80/100 A

## Data Solutions



### CERTIFICERINGER



### FUNKTIONER

Minimum space for maximum power

Protection cover and insulating screens are transparent

Insulating screen between each row

Easy and safe connections

Easily clips onto DIN rail or mounts to panel with screws

Solid bars provide reliability

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

**Materiale:** Thermoplastic; Brass

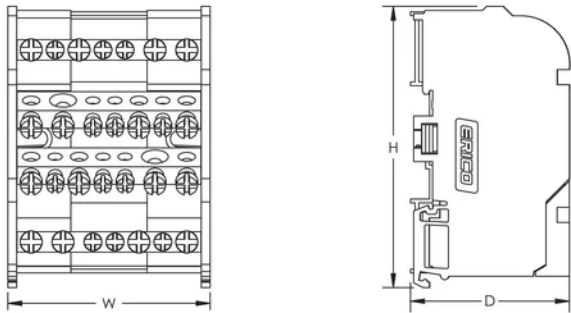
| Katalognummer                          | TD-80-100A                                                  | TD-80-100AL                                                 | TD-80-100ALL                                                |
|----------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|
| Artikelnummer                          | 563920                                                      | 563930                                                      | 563940                                                      |
| Max Current Rating, IEC                | 100A                                                        | 100A                                                        | 100A                                                        |
| Short Term Withstand Current (Icw) 1s  | 4.5kA                                                       | 4.5kA                                                       | 4.5kA                                                       |
| Peak Short Circuit Current (Ipk)       | 20kA                                                        | 20kA                                                        | 20kA                                                        |
| Max Working Voltage, IEC (Ui)          | 500V                                                        | 500V                                                        | 500V                                                        |
| Line Side Number of Connections        | 1                                                           | 2                                                           | 2                                                           |
| Line Side Compact Stranded Wire Size   | 10 - 25 mm <sup>2</sup>                                     | 10 - 25 mm <sup>2</sup>                                     | 10 - 25 mm <sup>2</sup>                                     |
| Line Side Stranded Wire Size - Ferrule | 10 – 25mm <sup>2</sup>                                      | 10 – 25mm <sup>2</sup>                                      | 10 – 25mm <sup>2</sup>                                      |
| Load Side Number of Connections        | 6                                                           | 9                                                           | 13                                                          |
| Load Side Compact Stranded Wire Size   | (3) 1,5 - 4 mm <sup>2</sup><br>(3) 2,5 - 6 mm <sup>2</sup>  | (4) 1,5 - 4 mm <sup>2</sup><br>(5) 2,5 - 6 mm <sup>2</sup>  | (6) 1,5 - 4 mm <sup>2</sup><br>(7) 2,5 - 6 mm <sup>2</sup>  |
| Load Side Stranded Wire Size - Ferrule | (3) 0,75 – 4 mm <sup>2</sup><br>(3) 1,5 – 6 mm <sup>2</sup> | (4) 0,75 – 4 mm <sup>2</sup><br>(5) 1,5 – 6 mm <sup>2</sup> | (6) 0,75 – 4 mm <sup>2</sup><br>(7) 1,5 – 6 mm <sup>2</sup> |
| Dybde (D)                              | 50mm                                                        | 50mm                                                        | 50mm                                                        |
| Height (H)                             | 90mm                                                        | 90mm                                                        | 90mm                                                        |
| Width (W)                              | 64mm                                                        | 100mm                                                       | 130mm                                                       |
| Unit Weight                            | 0.21kg                                                      | 0.31kg                                                      | 0.4kg                                                       |
| Flammability Rating                    | UL® 94V-0                                                   | UL® 94V-0                                                   | UL® 94V-0                                                   |
| Complies With                          | IEC® 60947-7-1                                              | IEC® 60947-7-1                                              | IEC® 60947-7-1                                              |

## YDERLIGERE PRODUKTOPLYSNINGER

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



ADVARSEL

nVent-produkter skal kun installeres og anvendes som angivet i nVents produktvejledninger og træningsmaterialer. Vejledninger er tilgængelige på [www.nvent.com](http://www.nvent.com) og hos din nVent kundeservicerepræsentant. Forkert installation, misbrug, fejlanvendelse eller anden undladelse af fuldt ud at følge nVents instruktioner og advarsler kan medføre funktionsfejl, materielle skader, alvorlige personskader eller død og/eller ugyldiggøre din garanti.



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