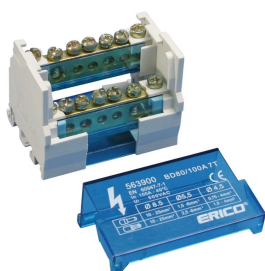


## TWEEPOLIG DISTR.BLOK, 80/100 A, 2 AANSL. AAN INPUTZIJDE EN 13 AANSL. AAN OUTPUT

### CATALOG NUMBER

**BD-80-100AL**



### CERTIFICATIONS



### FEATURES

Minimum space for maximum power

Protection cover and insulating screens are transparent

Insulating screen between each row

Easy and safe connections

Wiring with or without terminal

Easily clips onto DIN rail or mounts to panel with screws

RoHS compliant

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

Halogeenvrij

### PRODUCTKENMERKEN

Article Number: 563910

Max Current Rating, IEC: 100 A

Short Term Withstand Current (Icw) 1s: 4,5 kA

Peak Short Circuit Current (Ipk): 20 kA

Max Working Voltage, IEC (Ui): 500 V

Line Side Number of Connections: 2

Line Side Compact Stranded Wire Size: 10 - 25 mm<sup>2</sup>

Line Side Stranded Wire Size - Ferrule: 10 – 25 mm<sup>2</sup>

Load Side Number of Connections: 13

Load Side Compact Stranded Wire Size: (6) 1,5 - 4 mm<sup>2</sup>;(7) 2,5 - 6 mm<sup>2</sup>

Load Side Stranded Wire Size - Ferrule: (6) 0,75 – 4 mm<sup>2</sup>;(7) 1,5 – 6 mm<sup>2</sup>

Depth: 50 mm

Height: 50 mm

Width: 130 mm

Unit Weight: 0,21 kg

Flammability Rating: UL® 94V-0

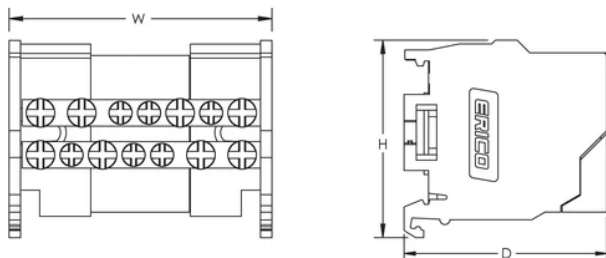
Complies With: IEC® 60947-7-1

## 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



## WAARSCHUWING

Producten van nVent moeten worden geïnstalleerd en gebruikt op de manier zoals is aangegeven in de nVent productinformatiebladen en trainingsmaterialen. U kunt de productinformatiebladen downloaden van [www.nvent.com](http://www.nvent.com) of opvragen bij uw nVent-klantenservice. Door onjuist installeren, verkeerd gebruik, verkeerde toepassing of enige andere handeling in strijd met de instructies en waarschuwingen van nVent kan het product mogelijk niet correct werken, ernstig of fataal letsel en materiële schade veroorzaken en/of uw garantie ongeldig maken.

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