We connect and protect

TD Compact Four Pole Distribution Block, 80/100 A

Data Solutions

CERTIFICATIONS

FEATURES

- 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

SPECIFICATIONS

Material: Thermoplastic; Brass

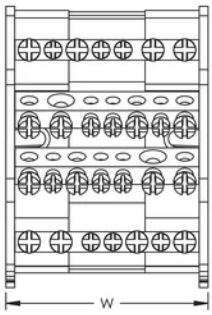
Catalog Number	TD-80-100A	TD-80-100AL	TD-80-100ALL
Article Number	563920	563930	563940
Max Current Rating, IEC	100A	100A	100A
Short Term Withstand Current (Icw) 1s	4.5kA	4.5kA	4.5kA
Peak Short Circuit Current (Ipk)	20kA	20kA	20kA
Max Working Voltage, IEC (Ui)	500V	500V	500V
Line Side Number of Connections	1	2	2
Line Side Compact Stranded Wire Size	10 - 25 mm²	10 - 25 mm²	10 - 25 mm²
Line Side Stranded Wire Size - Ferrule	10 – 25mm²	10 – 25mm²	10 – 25mm²
Load Side Number of Connections	6	9	13
Load Side Compact Stranded Wire Size	(3) 1,5 - 4 mm² (3) 2,5 - 6 mm²	(4) 1,5 - 4 mm² (5) 2,5 - 6 mm²	(6) 1,5 - 4 mm² (7) 2,5 - 6 mm²
Load Side Stranded Wire Size - Ferrule	(3) 0,75 – 4 mm² (3) 1,5 – 6 mm²	(4) 0,75 – 4 mm² (5) 1,5 – 6 mm²	(6) 0,75 – 4 mm² (7) 1,5 – 6 mm²
Depth (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

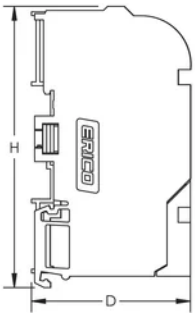
ADDITIONAL PRODUCT DETAILS

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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