

TD Compact Four Pole Distribution Block, 80/100 A



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

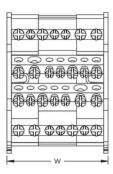
Material: Thermoplastic; Brass

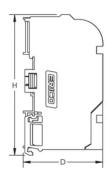
Catalog Number	TD-80-100A	TD-80-100AL	TD-80-100ALL		
Article Number	563920	563930	563940		
Max Current Rating, IEC	100A	100A	100A		
Short Term Withstand Current (Icw) 1s	4.5kA	4.5kA	4.5kA		
Peak Short Circuit Current (lpk)	20kA	20kA	20kA		
Max Working Voltage, IEC (Ui)	500V	500V	500V		
Line Side Number 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 - 25 mm²	10 - 25 mm²	10 - 25 mm²		
Load Side Number of Connections	6	9	13		
Load Side Compact Stranded Wire Size	(3) 1,5 - 4 mm ² (3) 2,5 - 6 mm ²	(4) 1,5 - 4 mm ² (5) 2,5 - 6 mm ²	(6) 1,5 - 4 mm ² (7) 2,5 - 6 mm ²		
Load Side Stranded Wire Size - Ferrule	(3) 0,75 – 4 mm ² (3) 1,5 – 6 mm ²	(4) 0,75 – 4 mm ² (5) 1,5 – 6 mm ²	(6) 0,75 – 4 mm ² (7) 1,5 – 6 mm ²		
Depth (D)	50mm	50mm	50mm		
Height (H)	90 mm	90 mm	90 mm		
Width (W)	64 mm	100 mm	130 mm		
Unit Weight	0.21 kg	0.31 kg	0.4 kg		
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												





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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