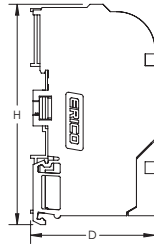
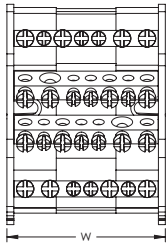


TD Compact Four Pole Distribution Block, 80/100 A



- 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



Material: Thermoplastic, Brass

Part Number	TD-80-100A	TD-80-100AL	TD-80-100ALL
Article Number	563920	563930	563940
Max Current Rating, IEC	100 A		
Short Term Withstand Current (I _{cw}) 1s	4.5 kA		
Peak Short Circuit Current (I _{pk})	20 kA		
Max Working Voltage, IEC (U _i)	500 V		
Line Side Number of Connections	1	2	
Line Side Compact Stranded Wire Size	10 - 25 mm ²		
Line Side Stranded Wire Size - Ferrule	10 - 25 mm ²		
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]	50 mm		
Height [H]	90 mm		
Width [W]	64 mm	100 mm	130 mm
Unit Weight	0.21 kg	0.31 kg	0.40 kg
Flammability Rating	UL® 94V-0		

Part Number	TD-80-100A	TD-80-100AL	TD-80-100ALL
Complies With	IEC® 60947-7-1		
Certifications	CE, ERIFLEX TD EAC EN 45545 RoHS		

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										

Line side and load side number of connections are per pole.

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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.erico.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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