

## TD COMPACT FOUR POLE DISTRIBUTION BLOCK, 100/125 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

Input separated from outputs

Strong mechanical assembly

Neutral bar available

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

Table 1/4

Catalog Number	Article Number	Max Current Rating, IEC	Peak Short Circuit Current (I <sub>pk</sub> )	Line Side Stranded Wire Size - Ferrule	Line Side Compact Stranded Wire Size	Short Term Withstand Current (I <sub>cw</sub> ) 1s
TD-100-125A	563820	125A	30kA	10 – 35mm <sup>2</sup>	10 - 35 mm <sup>2</sup>	4.5kA
TD-100-125AL	563830	125A	30kA	10 – 35mm <sup>2</sup>	10 - 35 mm <sup>2</sup>	4.5kA
TD-100-125ALL	563840	125A	21kA	10 – 35mm <sup>2</sup>	10 - 35 mm <sup>2</sup>	4.5kA

Table 2/4

Catalog Number	Article Number	Line Side Number of Connections	Load Side Number of Connections	Load Side Compact Stranded Wire Size	Load Side Stranded Wire Size - Ferrule	Max Working Voltage, IEC (Ui)
TD-100-125A	563820	1	6	(5) 2,5 - 6 mm <sup>2</sup> , (1) 10 - 25 mm <sup>2</sup>	(5) 1,5 – 6 mm <sup>2</sup> , (1) 6 – 16 mm <sup>2</sup>	690V
TD-100-125AL	563830	1	10	(7) 2,5 - 6 mm <sup>2</sup> , (3) 10 - 25 mm <sup>2</sup>	(7) 1,5 – 6 mm <sup>2</sup> , (3) 6 – 16 mm <sup>2</sup>	690V
TD-100-125ALL	563840	1	14	(11) 2,5 - 6 mm <sup>2</sup> , (1) 10 - 25 mm <sup>2</sup> , (2) 10 - 35 mm <sup>2</sup>	(11) 1,5 – 6 mm <sup>2</sup> , (1) 6 – 16 mm <sup>2</sup> , (2) 10 – 25 mm <sup>2</sup>	690V

Table 3/4

Catalog Number	Article Number	Height (H)	Width (W)	Depth (D)	Unit Weight	Flammability Rating
TD-100-125A	563820	90mm	109mm	50mm	0.33kg	UL® 94V-0
TD-100-125AL	563830	90mm	147mm	50mm	0.44kg	UL® 94V-0
TD-100-125ALL	563840	90mm	182mm	50mm	0.55kg	UL® 94V-0

Table 4/4

Catalog Number	Article Number	Complies With
TD-100-125A	563820	IEC® 60947-7-1
TD-100-125AL	563830	IEC® 60947-7-1
TD-100-125ALL	563840	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](http://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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