

# TD Compact Four Pole Distribution Block, 160 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

Input separated from outputs

Neutral bar available

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**

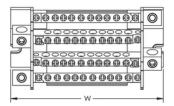
Material: Thermoplastic; Brass

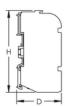
Catalog Number	TD-160A	TD-160AL			
Article Number	563200	563990			
Max Current Rating, IEC	160A	160A			
Short Term Withstand Current (Icw) 1s	8.2kA	8.2kA			
Peak Short Circuit Current (Ipk)	35kA	35kA			
Max Working Voltage, IEC (Ui)	690V	690V			
Line Side Number of Connections	1	1			
Line Side Compact Stranded Wire Size	10 - 50 mm²	10 - 50 mm²			
Line Side Stranded Wire Size - Ferrule	10 – 50mm²	10 – 50mm²			
Load Side Number of Connections	11	11			
Load Side Compact Stranded Wire Size	(1) 2,5 - 6 mm <sup>2</sup> (7) 2,5 - 16 mm <sup>2</sup> (3) 10 - 35 mm <sup>2</sup>	(8) 2,5 - 16 mm <sup>2</sup> (3) 10 - 35 mm <sup>2</sup>			
Load Side Stranded Wire Size - Ferrule	(1) 1,5 - 6 mm <sup>2</sup> (7) 1,5 - 16 mm <sup>2</sup> (3) 10 - 25 mm <sup>2</sup>	(8) 1,5 – 16 mm <sup>2</sup> (3) 10 – 25 mm <sup>2</sup>			
Depth (D)	50mm	70mm			
Height (H)	90mm	90mm			
Width (W)	175mm	170mm			
Unit Weight	0.61kg	0.74kg			
Flammability Rating	UL® 94V-0	UL® 94V-0			
Complies With	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 termin	nal blocks ins	ide the enc	losure									





#### **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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