

TD Compact Four Pole Distribution Block, 160 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

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 mm ²	10 - 50 mm ²
Line Side Stranded Wire Size - Ferrule	10 - 50 mm ²	10 - 50 mm ²
Load Side Number of Connections	11	11
Load Side Compact Stranded Wire Size	(1) 2,5 - 6 mm ² (7) 2,5 - 16 mm ² (3) 10 - 35 mm ²	(8) 2,5 - 16 mm ² (3) 10 - 35 mm ²
Load Side Stranded Wire Size - Ferrule	(1) 1,5 - 6 mm ² (7) 1,5 - 16 mm ² (3) 10 - 25 mm ²	(8) 1,5 - 16 mm ² (3) 10 - 25 mm ²
Depth (D)	50mm	70mm
Height (H)	90 mm	90 mm
Width (W)	175 mm	170 mm
Unit Weight	0.61 kg	0.74 kg
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 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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