

BD Two Pole Distribution Block, 100/125 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

Input separated from outputs

Wiring with or without terminal

Easily clips onto DIN rail or mounts to panel with screws

RoHS compliant

Conforms to EN 45545 obtaining an HL3 classification for chapter R23 and HL2 classification for chapter R22

Halogen free

SPECIFICATIONS

Table 1/2

Catalog Number	BD-100-125A	BD-100-125AL
Article Number	563800	563810
Max Current Rating, IEC	125A	125A
Short Term Withstand Current (I _{cw}) 1s	4.5kA	4.5kA
Peak Short Circuit Current (I _{pk})	30kA	25kA
Max Working Voltage, IEC (U _i)	690V	690V
Line Side Number of Connections	1	1
Line Side Compact Stranded Wire Size	10 - 35 mm ²	10 - 35 mm ²
Line Side Stranded Wire Size - Ferrule	10 – 35mm ²	10 – 35mm ²
Load Side Number of Connections	6	14
Load Side Compact Stranded Wire Size	(5) 2,5 - 6 mm ² (1) 10 - 25 mm ²	(11) 2,5 - 6 mm ² (3) 10 - 25 mm ²
Load Side Stranded Wire Size - Ferrule	(5) 1,5 – 6 mm ² (1) 6 – 16 mm ²	(11) 1,5 – 6 mm ² (3) 6 – 16 mm ²
Depth (D)	50mm	50mm
Height (H)	50mm	50mm
Width (W)	94mm	162mm
Unit Weight	0.16kg	0.27kg
Flammability Rating	UL® 94V-0	UL® 94V-0

Table 2/2

Catalog Number	BD-100-125A	BD-100-125AL
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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