

# **BD Two 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

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**

Catalog Number	BD-100-125A	BD-100-125AL
Article Number	563800	563810

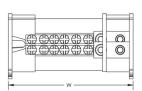
Catalog Number	BD-100-125A	BD-100-125AL				
Max Current Rating, IEC	125A	125A				
Short Term Withstand Current (Icw) 1s	4.5kA	4.5kA				
Peak Short Circuit Current (lpk)	30kA	25kA				
Max Working Voltage, IEC (Ui)	690V	690V				
Line Side Number of Connections	1	1				
Line Side Compact Stranded Wire Size	10 - 35 mm²	10 - 35 mm²				
Line Side Stranded Wire Size - Ferrule	10 - 35 mm²	10 - 35 mm²				
Load Side Number of Connections	6	14				
Load Side Compact Stranded Wire Size	(5) 2,5 - 6 mm <sup>2</sup> (1) 10 - 25 mm <sup>2</sup>	(11) 2,5 - 6 mm <sup>2</sup> (3) 10 - 25 mm <sup>2</sup>				
Load Side Stranded Wire Size - Ferrule	(5) 1,5 – 6 mm <sup>2</sup> (1) 6 – 16 mm <sup>2</sup>	(11) 1,5 – 6 mm <sup>2</sup> (3) 6 – 16 mm <sup>2</sup>				
Depth (D)	50mm	50mm				
Height (H)	50 mm	50 mm				
Width (W)	94 mm	162 mm				
Unit Weight	0.16 kg	0.27 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.

## North America

+1.800.753.9221 Option 1 – Customer Care Option 2 – Technical Support

## Europe

Netherlands: +31 800-0200135 France: +33 800 901 793

#### Europe

Germany: 800 1890272 Other Countries: +31 13 5835404

#### **APAC**

Shanghai: + 86 21 2412 1618/19 Sydney: +61 2 9751 8500



Our powerful portfolio of brands:

CADDY ERICO HOFFMAN ILSCO SCHROFF TRACHTE