

# BD Two Pole Distribution Block, 80/100 A



#### **CERTIFICATIONS**





#### **FEATURES**

Minimum space for maximum power

Protection cover and insulating screens are transparent

Insulating screen between each row

Easy and safe connections

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**

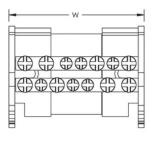
Catalog Number	BD-80-100A	BD-80-100AL				
Article Number	563900	563910				
Max Current Rating, IEC	100A	100A				

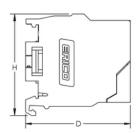
Catalog Number	BD-80-100A	BD-80-100AL				
Short Term Withstand Current (Icw) 1s	4.5kA	4.5kA				
Peak Short Circuit Current (Ipk)	20kA	20kA				
Max Working Voltage, IEC (Ui)	500V	500V				
Line Side Number of Connections	1	2				
Line Side Compact Stranded Wire Size	10 - 25 mm²	10 - 25 mm <sup>2</sup>				
Line Side Stranded Wire Size - Ferrule	10 - 25 mm²	10 - 25 mm²				
Load Side Number of Connections	6	13				
Load Side Compact Stranded Wire Size	(3) 1,5 - 4 mm <sup>2</sup> (3) 2,5 - 6 mm <sup>2</sup>	(6) 1,5 - 4 mm <sup>2</sup> (7) 2,5 - 6 mm <sup>2</sup>				
Load Side Stranded Wire Size - Ferrule	(3) 0,75 – 4 mm <sup>2</sup> (3) 1,5 – 6 mm <sup>2</sup>	(6) 0,75 – 4 mm <sup>2</sup> (7) 1,5 – 6 mm <sup>2</sup>				
Depth (D)	50mm	50mm				
Height (H)	50 mm	50 mm				
Width (W)	64 mm	130 mm				
Unit Weight	0.11 kg	0.21 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											





#### **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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