

# **BD Two Pole Distribution Block, 80/100 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

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**

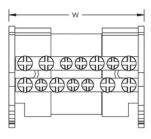
Catalog Number	BD-80-100A	BD-80-100AL
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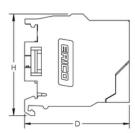
Article Number	563900	563910			
Max Current Rating, IEC	100A	100A			
Short Term Withstand Current (Icw) 1s	4.5kA	4.5kA			
Peak Short Circuit Current (Ipk)	20kA	20kA			
Max Working Voltage, IEC (Ui)	500V	500V			
Line Side Number of Connections	1	2			
Line Side Compact Stranded Wire Size	10 - 25 mm²	10 - 25 mm²			
Line Side Stranded Wire Size - Ferrule	10 – 25mm²	10 – 25mm²			
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)	50mm	50mm			
Width (W)	64mm	130mm			
Unit Weight	0.11kg	0.21kg			
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	al 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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