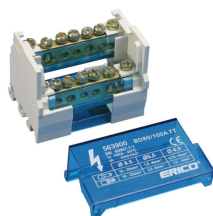
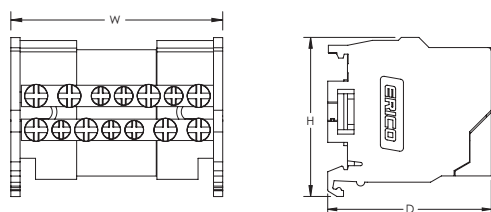


# BD Two Pole Distribution Block, 80/100 A – BD-80-100AL (563910)



- 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
- Halogen free plastic housing excluding the blue protection cover



Part Number	BD-80-100AL
Article Number	563910
Max Current Rating, IEC	100 A
Short Term Withstand Current [I <sub>cw</sub> ] 1s	4.5 kA
Peak Short Circuit Current [I <sub>pk</sub> ]	20 kA
Max Working Voltage, IEC (U <sub>i</sub> )	500 V
Line Side Number of Connections	2
Line Side Compact Stranded Wire Size	10 - 25 mm <sup>2</sup>
Line Side Stranded Wire Size - Ferrule	10 - 25 mm <sup>2</sup>
Load Side Number of Connections	13
Load Side Compact Stranded Wire Size	(6) 1,5 - 4 mm <sup>2</sup> (7) 2,5 - 6 mm <sup>2</sup>
Load Side Stranded Wire Size - Ferrule	(6) 0,75 - 4 mm <sup>2</sup> (7) 1,5 - 6 mm <sup>2</sup>
Depth [D]	50 mm
Height [H]	50 mm
Width [W]	130 mm
Unit Weight	0.21 kg
Flammability Rating	UL® 94V-0
Complies With	IEC® 60947-7-1
Certifications	CE, ERIFLEX BD EAC 02942 (Russian Federation) RoHS

Part Number	BD-80-100AL
Standard Packaging Quantity	1 pc
UPC	78285680037
EAN-13	3479775639109

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										

Line side and load side number of connections are per pole.  
Blue protection cover is less than 7% of the overall product weight.

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**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.erico.com](http://www.erico.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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