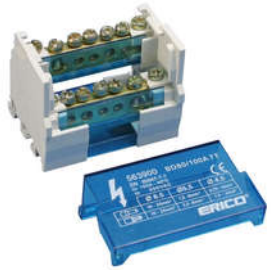
TWO POLE DISTRIBUTION BLOCK, 80/100 A, 2 LINE SIDE & 13 LOAD SIDE CONNECTIONS

CATALOG NUMBER

BD-80-100AL



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

PRODUCT ATTRIBUTES

- Article Number: 563910
- Max Current Rating, IEC: 100 A
- Short Term Withstand Current (Icw) 1s: 4.5 kA

Peak Short Circuit Current (Ipk): 20 kA

Max Working Voltage, IEC (Ui): 500 V

Line Side Number of Connections: 2

Line Side Compact Stranded Wire Size: 10 - 25 mm²

Line Side Stranded Wire Size - Ferrule: 10 – 25 mm²

Load Side Number of Connections: 13

Load Side Compact Stranded Wire Size: (6) 1,5 - 4 mm²; (7) 2,5 - 6 mm²

Load Side Stranded Wire Size - Ferrule: (6) 0,75 – 4 mm²; (7) 1,5 – 6 mm²

Depth: 50 mm

Height: 50 mm

Width: 130 mm

Unit Weight: 0.21 kg

Flammability Rating: UL® 94V-0

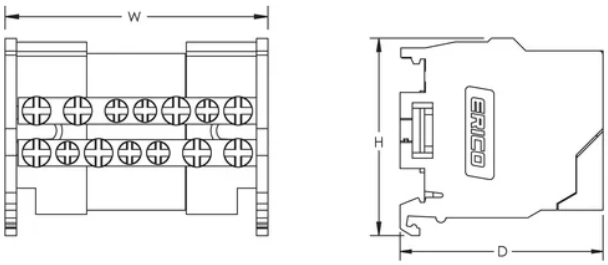
Complies With: IEC® 60947-7-1

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

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