POWR-GARD® Blocks and Holders Datasheet

GDB SERIES TOUCH-SAFE POWR-BLOKS™

Global Distribution Blocks

Features/Benefits
- Global part meeting UL standards
- Space saving design
- Integrated touch-safe cover to increase safety
- IP20 protection rating
- Mounts to DIN rail or panels
- Reliable brass connections for excellent continuity in a smaller design

Specifications
- **Voltage Rating**: UL: 600 VAC/VDC
- **Ampere Rating**: 80 – 335 A
- **Material**: Thermoplastic
- **Connector**: GDBxxxx: Brass
  GDBAxxxx: Aluminum (Tin Plated)
- **Flammability Rating**: UL94 V-0
- **Approvals**: UL Recognized (File: E309688, E171395) UL Listed (File: E482231) CSA Certified (File: 700111)
- **Operating Temperature**: -40°C to +90°C
- **Storage Temperature**: -40°C to +100°C
- **Relative Humidity**: 50% @ 40°C, 90% @ 20°C
- **Environmental**: RoHS compliant

Description
POWR-BLOKS™ Global Distribution Blocks add safety and mounting versatility to our distribution block solutions. The Global Distribution Blocks are approved to UL standards. The Global Distribution Blocks are IP20 finger safe to reduce the risk of contact and eliminate the need for block or panel covers. Installation is quick and easy, with DIN-rail and panel mount options.

Electrical Specifications

For additional information visit Littelfuse.com/gdb

<table>
<thead>
<tr>
<th>CATALOG/ORDERING NUMBER</th>
<th>POLES</th>
<th>AMPS</th>
<th>WIRE RANGE</th>
<th>OPENINGS PER POLE</th>
<th>OPENINGS PER POLE</th>
<th>LOAD CONNECTION</th>
<th>LINE CONNECTION</th>
<th>OVERCURRENT PROTECTION FUSE REQUIRED</th>
<th>SCCR IN RMS SYM AMPS</th>
<th>AGENCY APPROVALS</th>
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<td>#14 - #2</td>
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Web Resources
For additional information visit Littelfuse.com/gdb
# Mechanical Specification

<table>
<thead>
<tr>
<th>CATALOG/ORDERING NUMBER</th>
<th>POLES</th>
<th>AMP RATING PER POLE (UL)</th>
<th>OPENINGS PER POLE</th>
<th>OPENING DIAMETER</th>
<th>SCREW TYPE</th>
<th>WIRE RANGE</th>
<th>TORQUE LOAD CONNECTION</th>
<th>OPENING DIAMETER</th>
<th>SCREW TYPE</th>
<th>WIRE RANGE</th>
<th>TORQUE LOAD CONNECTION</th>
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<td>80</td>
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<td>0.28 in (7.0 mm)</td>
<td>Slotted</td>
<td>#8 - #4 (Cu)</td>
<td>13.5 (1.5)</td>
<td>6</td>
<td>#8 - #4 (Cu)</td>
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<td>#8 - #2 (Cu)</td>
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<td>#10 - #14 (Cu)</td>
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<td>Hex 4 mm</td>
<td>#8 - #2 (Cu)</td>
<td>31 (3.5)</td>
<td>6</td>
<td>#14 - #4 (Cu)</td>
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<td>0.25 in (6.5 mm)</td>
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<td>35 (4.0) #14 - #10 (4.0) #14 - #8 (4.5) #14 - #6 (5.1) #14 - #3 (5.6) #14 - #2 (5.6)</td>
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<td>3/0 - 350 kcmil (Cu)</td>
<td>230 (26.0)</td>
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<td>#14 - #8 (Cu)</td>
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<td>5x 0.25 in (5x 6.5mm)</td>
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<td>0.516 in (13.1 mm)</td>
<td>Hex 8 mm &amp; 8 mm</td>
<td>#14 - 400 kcmil (Cu) &amp; 80 (9.0)</td>
<td>120 (13.5) #1 - #3/0 (3.0) 275 (31.0) #6 - #1/0 (5.3) 375 (42.4) 2/0 - 400 kcmil</td>
<td>8</td>
<td>#14 - #8 (Cu)</td>
<td>80 (9.0) #6 - #2</td>
<td>0.375 in (9.5 mm)</td>
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</table>
GDB SERIES TOUCH-SAFE POWR-BLOKS™

Global Distribution Blocks

Dimensions Inches (mm)

GDB60801Z

GDB61151Z

GDB61601Z
GDB SERIES TOUCH-SAFE POWR-BLOKS™

Global Distribution Blocks

Dimensions Inches (mm)

GDB6153Z
GDB61753Z

GDB63101Z
GDB SERIES TOUCH-SAFE POWR-BLOKS™

Global Distribution Blocks

Dimensions Millimeters (in)

GDBAD241Z

- Slot 79 x 53 (0.31 x 0.21)
- 4mm (5/32) HEX DRIVE
- 2mm (5/64) HEX DRIVE
- 105.2 [4.14]
- 95.3 [3.75]
- 2.3 [0.09]
- 19 [0.75]
GDB SERIES TOUCH-SAFE POWR-BLOKS™

Global Distribution Blocks

Dimensions Millimeters (in)

GDBAD451Z
GDB SERIES TOUCH-SAFE POWR-BLOKS™

Global Distribution Blocks

Dimensions Millimeters (in)

GDBAD741Z

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