POWR-GARD® Blocks and Holders Datasheet
LFJ1000 SERIES SOLAR FUSE BLOCK

1000 V dc • Clip-to-Box • Stud-to-Stud • Clip-to-Stud

Description
The LFJ1000 series fuse block is specifically designed for the Littelfuse SPFJ 1000 V Solar Fuse. It meets UL electrical requirements, is available in multiple amperages, and comes in a variety of fuse mounting and termination configurations; fuse clip to box lug, fuse stud to wire stud and fuse clip to wire stud.

Features/Benefits
- Narrow width increases space savings
- Range of amperages to match all SPFJ fuse options
- Box Lug termination style accommodates a wide range of cable sizes
- Stud-mounted option increases convenience
- Approval for use with copper or aluminum lugs allowing for design flexibility

Specifications
- Voltage Ratings: 1000 V dc
- Ampere Ratings: 200, 400, 450 A
- Materials:
  - Base: Thermoplastic
  - Fuse Clip: Tin plated copper alloy
  - Box Lug: Aluminum
  - Fuse Studs: Zinc plated steel
  - Connector Studs: Zinc plated steel
  - Flammability Rating: UL94 V-0
- Termination Type: Box Lug or Stud Mount
- Base Temp Rating: 130 °C
- Approvals: UL 4248-18 Listed File: E345481 Vol. 1
- Environmental: RoHS Compliant

Recommended Fuses
SPFJ Solar Series

Web Resources
Sample requests, downloadable CAD drawings, dimensions and other technical information: Littelfuse.com/LFJ1000
For a comprehensive overview of solar market solutions, visit: Littelfuse.com/solar

Ordering Information
(Clip-to-Box Lug 1000 V)

<table>
<thead>
<tr>
<th>AMPERAGE</th>
<th>ORDERING NUMBER</th>
<th>WITHSTAND RATING</th>
<th>WIRE RANGE STANDARD (METRIC)</th>
<th>WIRE TYPE</th>
<th>RECOMMENDED TORQUE (UL LISTED)</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>LFJ102001C</td>
<td>20 kA</td>
<td>250 kcmil - #6 (127mm² - 16mm²)</td>
<td>Cu/Al</td>
<td>275 in-lb (31.1 N-m) –</td>
</tr>
<tr>
<td>400</td>
<td>LFJ104001C</td>
<td>10 kA</td>
<td>350 kcmil - 1/0 (177mm² - 55mm²)</td>
<td>Solid/Stranded</td>
<td>275 in-lb (31.1 N-m) –</td>
</tr>
<tr>
<td>450</td>
<td>LFJ104501C</td>
<td>20 kA</td>
<td>500 kcmil - #4 (253mm² - 25mm²)</td>
<td>Cu/Al</td>
<td>375 in-lb (42.4 N-m) x</td>
</tr>
</tbody>
</table>

(Stud-to-Stud 1000 V)

<table>
<thead>
<tr>
<th>AMPERAGE</th>
<th>ORDERING NUMBER</th>
<th>WITHSTAND RATING</th>
<th>RECOMMENDED TORQUE (FUSE TERMINAL)</th>
<th>MAX. BUSBAR THICKNESS</th>
<th>RECOMMENDED BASE TORQUE (BOLT SIZE TORQUE)</th>
<th>UL LISTED</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>LFJ102001STST</td>
<td>20 kA</td>
<td>65 in-lb (7.3 N-m)</td>
<td>200 in-lb (22.8 N-m)</td>
<td>.774” (19.66 mm)</td>
<td>1/4” 5/16”</td>
</tr>
<tr>
<td>400</td>
<td>LFJ104001STST</td>
<td>10 kA</td>
<td>170 in-lb (19.2 N-m)</td>
<td>200 in-lb (22.8 N-m)</td>
<td>.555” (14.10 mm)</td>
<td>1/4” 5/16”</td>
</tr>
<tr>
<td>450</td>
<td>LFJ104501STST</td>
<td>20 kA</td>
<td>300 in-lb (33.9 N-m)</td>
<td>300 in-lb (33.9 N-m)</td>
<td>.570” (14.18 mm)</td>
<td>1/4” 5/16”</td>
</tr>
</tbody>
</table>

(Clip-to-Stud 1000 V)

<table>
<thead>
<tr>
<th>AMPERAGE</th>
<th>ORDERING NUMBER</th>
<th>WITHSTAND RATING</th>
<th>RECOMMENDED TORQUE (FUSE TERMINAL)</th>
<th>MAX. BUSBAR THICKNESS</th>
<th>RECOMMENDED BASE TORQUE (BOLT SIZE TORQUE)</th>
<th>UL LISTED</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>LFJ1020001CST</td>
<td>20 kA</td>
<td>200 in-lb (22.6 N-m)</td>
<td>.774” (19.66 mm)</td>
<td>1/4” 5/16”</td>
<td>30-40 in-lb 40-50 in-lb</td>
</tr>
<tr>
<td>400</td>
<td>LFJ1040001CST</td>
<td>10 kA</td>
<td>200 in-lb (22.6 N-m)</td>
<td>.555” (14.10 mm)</td>
<td>1/4” 5/16”</td>
<td>30-40 in-lb 40-50 in-lb</td>
</tr>
<tr>
<td>450</td>
<td>LFJ1045001CST</td>
<td>20 kA</td>
<td>300 in-lb (33.9 N-m)</td>
<td>.570” (14.18 mm)</td>
<td>x</td>
<td></td>
</tr>
</tbody>
</table>
Dimensions mm (inches)

Clip-to-Box 1000 V 200 A

Clip-to-Box 1000 V 400 A

Clip-to-Box 1000 V 450 A
POWR-GARD® Blocks and Holders Datasheet
LFJ1000 SERIES SOLAR FUSE BLOCK

Dimensions mm (inches)

Stud-to-Stud 1000 V 200 A

Stud-to-Stud 1000 V 400 A

Stud-to-Stud 1000 V 450 A
Dimensions mm (inches)

Clip-to-Stud 1000 V 200 A

Clip-to-Stud 1000 V 400 A

Clip-to-Stud 1000 V 450 A

Disclaimer Notice – Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and may not be used in, all applications. Read complete Disclaimer Notice at www.littelfuse.com/product-disclaimer.