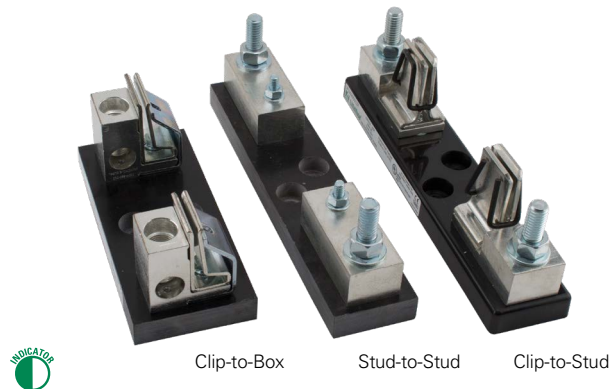


POWR-GARD® Blocks and Holders Datasheet

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

Ordering Information

(Clip-to-Box Lug 1000 V)

AMPERAGE	ORDERING NUMBER	WITHSTAND RATING	WIRE RANGE STANDARD (METRIC)	WIRE TYPE		RECOMMENDED TORQUE	UL LISTED
200	LFJ102001C	20 kA	250 kcmil - #6 (127mm ² - 16mm ²)	Cu/Al	Solid/ Stranded	275 in-lb (31.1 N-m)	—
400	LFJ104001C	10 kA	350 kcmil - 1/0 (177mm ² - 55mm ²)			275 in-lb (31.1 N-m)	—
450	LFJ104501C	20 kA	500 kcmil - #4 (253mm ² - 25mm ²)			375 in-lb (42.4 N-m)	x

(Stud-to-Stud 1000 V)

AMPERAGE	ORDERING NUMBER	WITHSTAND RATING	RECOMMENDED TORQUE		MAX. BUSBAR THICKNESS	RECOMMENDED BASE TORQUE		UL LISTED
			FUSE	TERMINAL		BOLT SIZE	TORQUE	
200	LFJ102001STST	20 kA	65 in-lb (7.3 N-m)	200 in-lb (22.6 N-m)	.774" (19.66 mm)	1/4" 5/16"	30-40 in-lb	x
400	LFJ104001STST	10 kA	170 in-lb (19.2 N-m)	200 in-lb (22.6 N-m)	.555" (14.10 mm)		40-50 in-lb	x
450	LFJ104501STST	20 kA	300 in-lb (33.9 N-m)	300 in-lb (33.9 N-m)	.570" (14.18 mm)			x

(Clip-to-Stud 1000 V)

AMPERAGE	ORDERING NUMBER	WITHSTAND RATING	RECOMMENDED TORQUE	MAX. BUSBAR THICKNESS	RECOMMENDED BASE TORQUE	UL LISTED
			TERMINAL			
200	LFJ102001CST	20 kA	200 in-lb (22.6 N-m)	.774" (19.66 mm)	1/4" 5/16"	x
400	LFJ104001CST	10 kA	200 in-lb (22.6 N-m)	.555" (14.10 mm)		x
450	LFJ104501CST	20 kA	300 in-lb (33.9 N-m)	.570" (14.18 mm)		x

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 (See Ordering Information tables) RoHS Compliant

Environmental

Recommended Fuses

SPFJ Solar Series

Web Resources

Sample requests, downloadable CAD drawings, dimensions and other technical information:

Littelfuse.com/LFJ1000

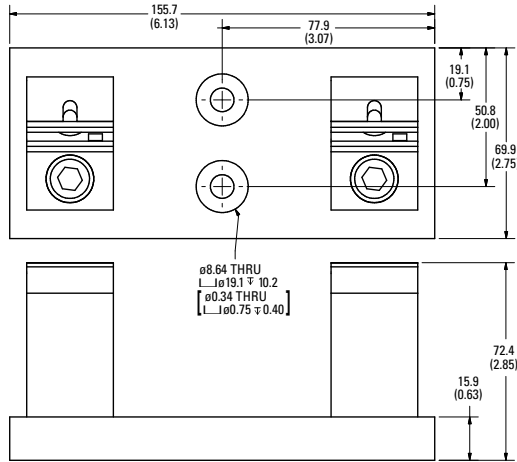
For a comprehensive overview of solar market solutions, visit: **Littelfuse.com/solar**

POWR-GARD® Blocks and Holders Datasheet

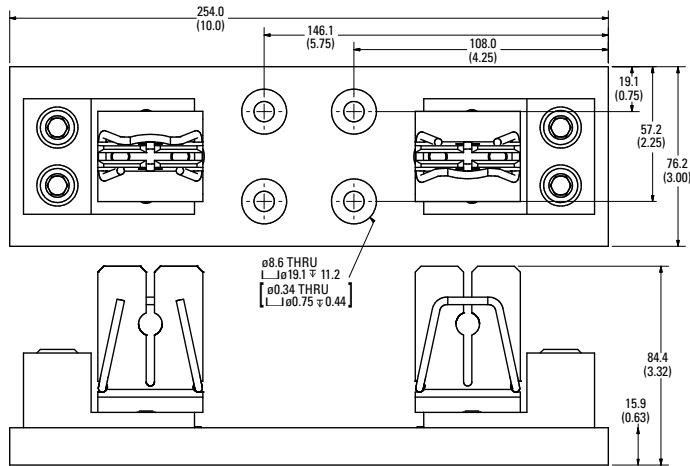
LFJ1000 SERIES SOLAR FUSE BLOCK

Dimensions mm (inches)

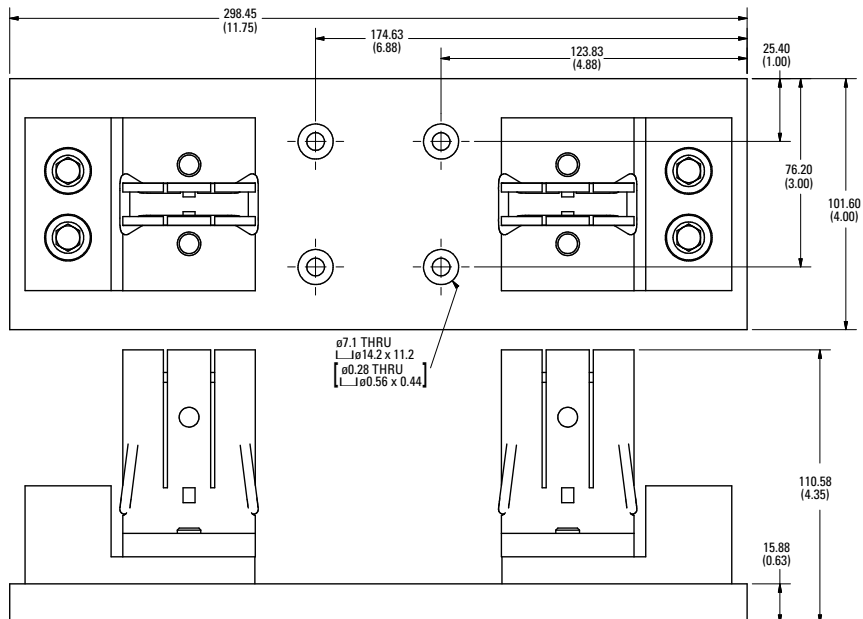
Clip-to-Box 1000 V 200 A



Clip-to-Box 1000 V 400 A



Clip-to-Box 1000 V 450 A

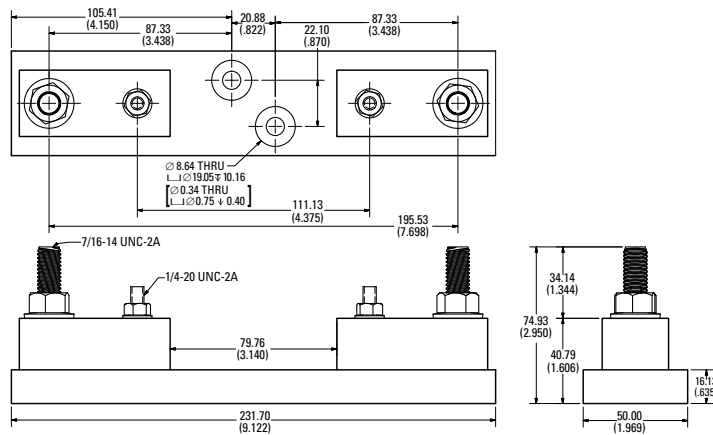


POWR-GARD® Blocks and Holders Datasheet

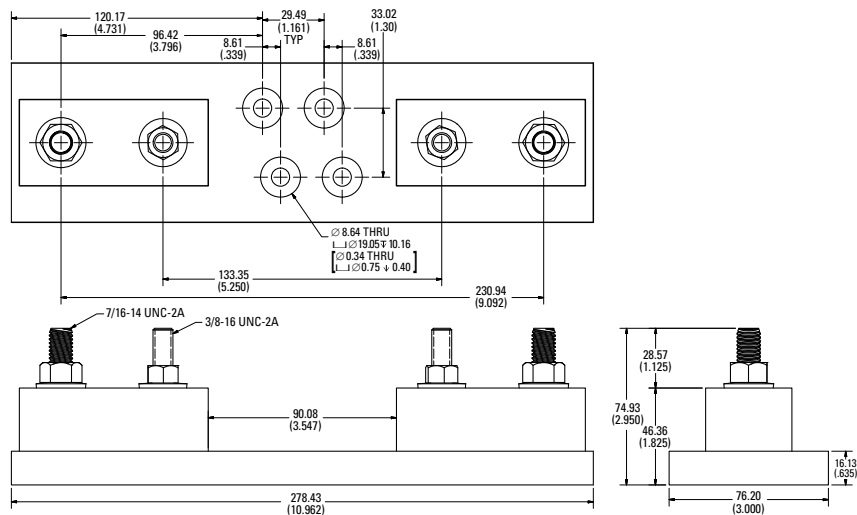
LFJ1000 SERIES SOLAR FUSE BLOCK

Dimensions mm (inches)

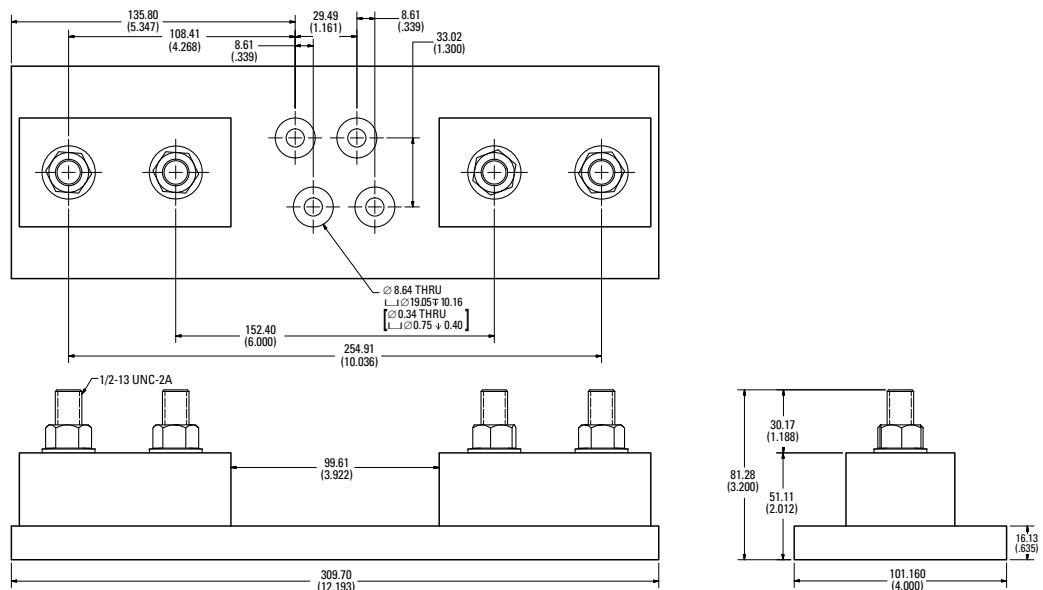
Stud-to-Stud 1000 V 200 A



Stud-to-Stud 1000 V 400 A



Stud-to-Stud 1000 V 450 A



Technical drawing of a mechanical part showing dimensions in millimeters (mm) and inches (in). The drawing includes a side view and a cross-sectional view.

Dimensions:

- Total length: 231.7 mm (9.12 in)
- Distance from left end to center of first hole: 126.3 mm (4.97 in)
- Distance between centers of two holes: 105.4 mm (4.15 in)
- Distance from right end to center of second hole: 14.0 mm (.55 in)
- Overall height: 50.0 mm (1.97 in)
- Height of top flange: 36.0 mm (1.42 in)
- Radius of bottom fillet: R22.1 (8.7)
- Radius of internal fillet: R20.9 (.82)

Hole Specifications:

- Top hole: Ø8.6 THRU L=Ø19.1 ± 0.2
- Bottom hole: Ø3.4 THRU L=Ø.75 ± 0.40

