

FUSE BLOCK OVERVIEW



Description

Littelfuse offers a comprehensive line of fuse blocks that incorporate many benefits such as indication, snap to-release, DIN-Rail mounting and universal mounting holes.

New Options Available

- Reduced Footprint—Save space with designs up to 35% smaller in width
- Indication—Increase safety and reduce downtime with built-in local indication
- Universal Mounting Holes—Simplify replacement with universal mounting options
- DIN Rail Mountable—Ease installation with a 35 mm hat DIN Rail mounting option
- One-Hand Release—Save time by using only one hand for a simple release from DIN Rail

Fuse Block Selection

The following guidelines should help simplify the selection of proper fuse blocks:

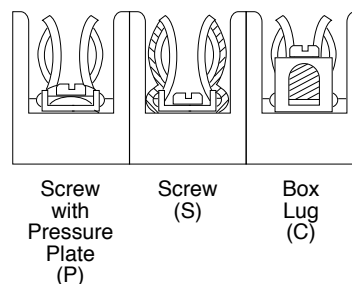
- 1. Determine the system voltage**—Since fuses are selected on the basis of system voltage, fuse blocks are selected to match the voltage rating of the fuse.
- 2. Determine the design short-circuit current**—If available short-circuit current cannot be determined, or if it will vary with equipment location, select fuses with a 200,000 ampere interrupting rating (A.I.R.) and mating fuse blocks with a withstand rating of 200,000 amperes for maximum safety.
- 3. Determine the type and ampere rating of the fuse to be used**—The fuse ampere rating, opening characteristics (fast acting or time-delay) and size are important considerations in fuse selection. Fuse blocks may be used with a fuse rated at the corresponding ampere rating or below. For example, a fuse block rated at 30 amperes may be used with a fuse rated from 0 to 30 amperes.
- 4. Determine if NEC®, CSA, UL, or other requirements are applicable**—Any of these requirements should be obtained from the approving agency in advance of fuse and fuse block selection.

5. Select the type of wire termination

Three types of wire termination are available:

- Screw*—for use with spade lugs or ring terminals
- Screw with Pressure Plate*—for use with solid or stranded wire without terminal. Recommended where vibration will be a factor
- Box Lug—for use with all types of solid wire and Class B and Class C stranded wire. The most durable, but not for use with welding cable or other rope-stranded conductors.

*1/4" Quick Connect terminals are available on the Midget and Class CC fuse blocks.



6. Decide on the number of poles in each block—The number of poles for each set of fuses is determined by the characteristics of the circuit.

7. Determine if block should be DIN Rail mounted—Many of the new Littelfuse fuse blocks are DIN Rail mountable. Be sure to look to corresponding ordering tables to match the correct part number on the following product pages.

8. Determine if fuse clips need to be reinforced

Fuse clips may have a tendency to lose some of their tension over a period of time. This may be prevented by specifying reinforced fuse clips.

Ordering Information

The Littelfuse fuse block part number consists of the below skeleton. Please refer to UL Class Tables for specific information.

LFH250301S	L60030M2PQ
Littelfuse	Littelfuse
UL Class	Voltage
Voltage	Ampere
Ampere	UL Class
Poles	Poles
Connector Type	Connector Type
	Quick Connect
†For all Class R, H, J, G and T Fuse blocks	For all Class CC, and Midget-Style

†These new fuse blocks replace previous Littelfuse fuse blocks that had very similar part numbers for customer convenience. The only change is an "F" has been added as the second character in the new block part numbers.

Caution: Littelfuse indicating fuse blocks are intended to quickly identify open fuses while power is still applied. Only qualified electrically trained technicians should replace fuses and follow standard OSHA and NFPA 70E safe work practices, such as Lock-Out and Tag-Out procedures and verification before replacing any fuses in indicating fuse blocks.

LF SERIES INDICATING FUSE BLOCKS



**Smaller Footprint
Provides Space Savings**



**DIN-Rail Mounting
Eases Installation**



**Indication Improves
Functionality**

An Indication of Value

The Littelfuse LF Series Fuse Blocks and Covers offer generous space savings and a greater value over previous generations. View the different series classes for available indication, snap-to-release DIN rail mounting, universal mounting holes and touch-safe covers.

LF SERIES CLASS T FUSE BLOCKS

300 V • 600 V



Description

The Littelfuse Class T fuse blocks offer many advantages such as space saving design, universal mounting holes, snap-to-release DIN rail mounts and available covers.

Features/Benefits

- Space-saving design
- Universal mounting holes for easy replacement
- One hand release from DIN rail for 30–60 A fuses
- Reinforced fuse clips are standard
- Covers available for most amperages to enhance safety

Specifications

Voltage Ratings	300 VAC/600 VAC
Ampere Ratings	0 – 600 A
Leakage Current	<0.6 mA at 600 V
Withstand Rating	200 kA RMS SYM
Flammability Rating	UL94 V-0
Approvals	UL Listed (File: E14721) CSA Certified (File: LR7316)
Environmental	RoHS Compliant, Lead (Pb) Free

Recommended Fuses

300 V JLLN	24
600 V JLLS	24

Web Resources

Sample requests, downloadable CAD drawings and other technical information:

littelfuse.com/lft

littelfuse.com/fuseblocks

Ordering Information (Class T 300 V)

AMP RATING	ORDERING NUMBER							TORQUE	WIRE RANGE	WIRE TYPE	BASE TEMP RATING	DIN RAIL MOUNT	COVER ORDERING NUMBER*
	BASE ORDERING NUMBER	POLES			TERMINAL SUFFIX								
		1	2	3	BOX LUG	PRESSURE PLATE	SCREW						
30	LFT30030	1	2	3	C	—	—	5.6 N-m (50 in-lbs) 2.8 N-m (25 in-lbs)	2-4 AWG 6-14 AWG	CU-AL Solid/Stranded	125°C	•	LFT30030FBC
60	LFT30060	1	2	3	C	—	—	5.6 N-m (50 in-lbs) 2.8 N-m (25 in-lbs)	2-4 AWG 6-14 AWG		125°C	•	LFT30060FBC
100	LFT30100	1	—	3	CS	—	—	13.6 N-m (120 in-lbs) 4.5 N-m (40 in-lbs)	2/0-6 AWG 8 AWG		130°C	—	LFT30100FBC
200	LFT30200	1	—	3	CS	—	—	4.0 N-m (35 in-lbs) 31.1 N-m (275 in-lbs)	10-14 AWG 250 kcmil-6		130°C	—	—
400	LFT30400	1	—	3	CS	—	—	(2) 31.1 N-m (275 in-lbs)	250 kcmil-6		130°C	—	—
600	LFT30600	1	—	3	CS	—	—	(2) 42.4 N-m (375 in-lbs)	500 kcmil-6		130°C	—	—

Ordering Information (Class T 600 V)

AMP RATING	ORDERING NUMBER							TORQUE	WIRE RANGE	WIRE TYPE	BASE TEMP RATING	DIN RAIL MOUNT	COVER ORDERING NUMBER*
	BASE ORDERING NUMBER	POLES			TERMINAL SUFFIX								
		1	2	3	BOX LUG	PRESSURE PLATE	SCREW						
30	LFT60030	1	2	3	C	P	S	5.6 N-m (50 in-lbs)	2-4 AWG	[†] see note	125°C	●	LFT60030FBC
								2.8 N-m (25 in-lbs)	6-14 AWG				
60	LFT60060	1	2	3	C	—	—	5.6 N-m (50 in-lbs)	2-4 AWG	CU-AL	125°C	●	LFT60060FBC
								2.8 N-m (25 in-lbs)	6-14 AWG				
100	LFT60100	1	—	3	CS	—	—	13.6 N-m (120 in-lbs)	2/0-6 AWG	Solid/Stranded	130°C	—	LT60100FBC
								4.5 N-m (40 in-lbs)	8 AWG				
200	LFT60200	1	—	3	CS	—	—	4.0 N-m (35 in-lbs)	10-14 AWG	CU-AL	130°C	—	LT60200FBC
								31.1 N-m (275 in-lbs)	250 kcmil-6				
400	LFT60400	1	—	3	CS	—	—	(2) 31.1 N-m (275 in-lbs)	250 kcmil-6		130°C	—	LT60400FBC
600	LFT60600	1	—	3	CS	—	—	(2) 42.4 N-m (375 in-lbs)	500 kcmil-6		130°C	—	LT60600FBC

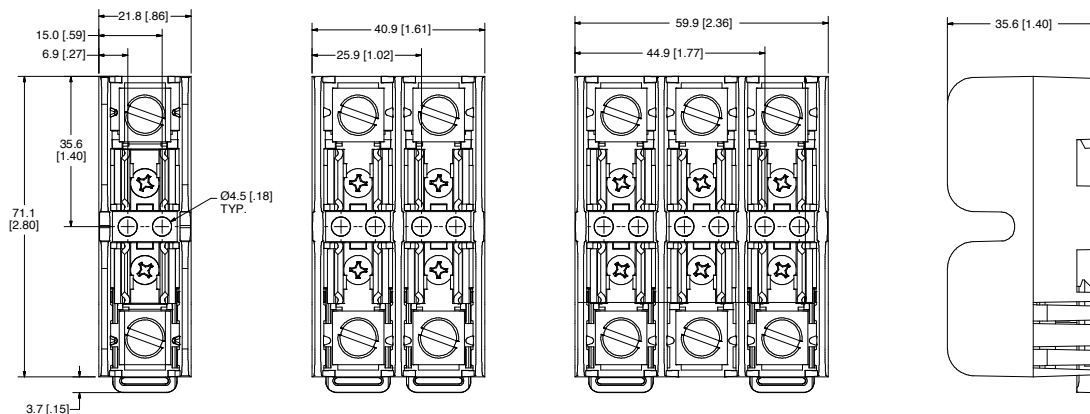
* Covers sold individually. One cover needed for each pole.

† Wire Type for Pressure Plate and Screw Terminal is CU only

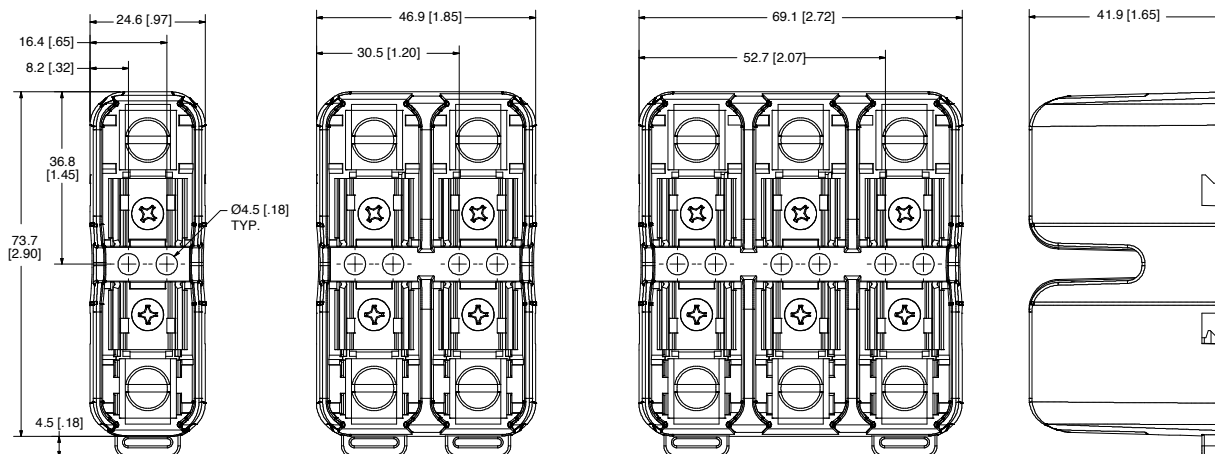
LF SERIES CLASS T FUSE BLOCKS

Dimensions mm (inches)

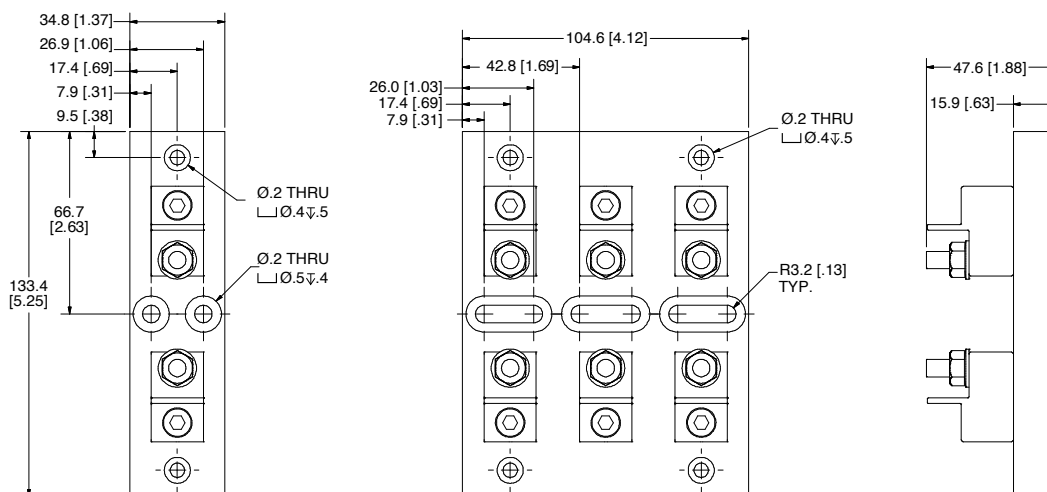
300 V 30 A



300 V 60 A



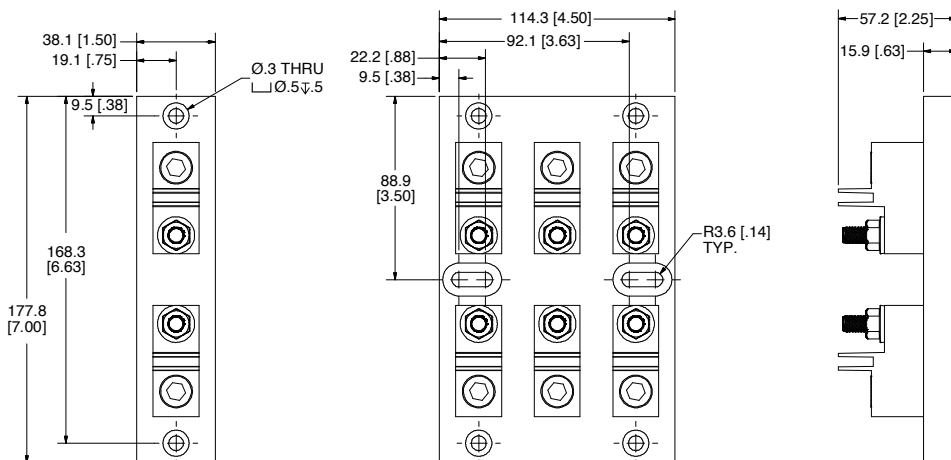
300 V 100 A



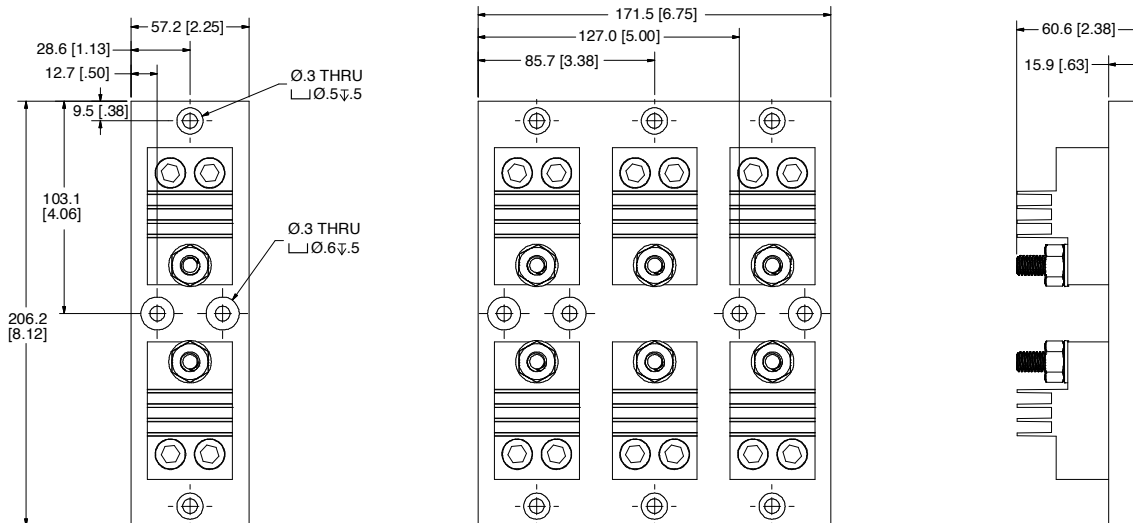
LF SERIES CLASS T FUSE BLOCKS

Dimensions mm (inches)

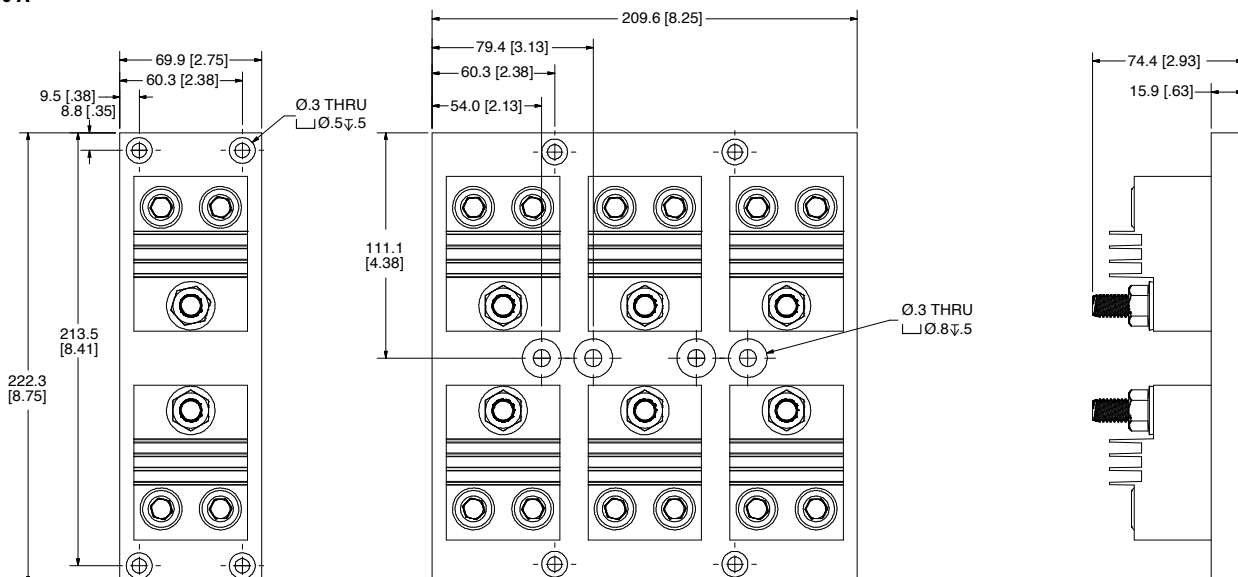
300 V 200 A



300 V 400 A



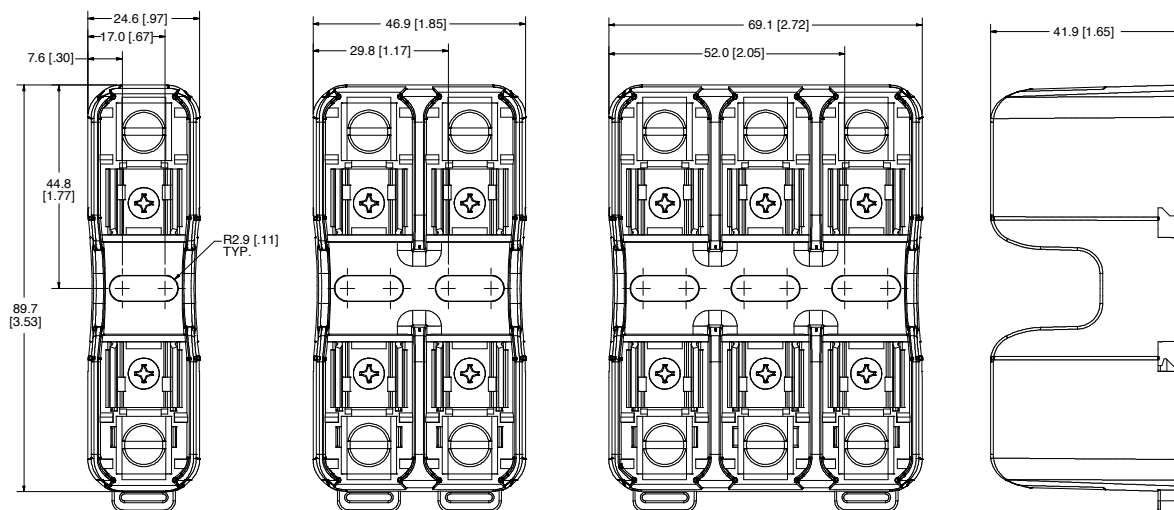
300 V 600 A



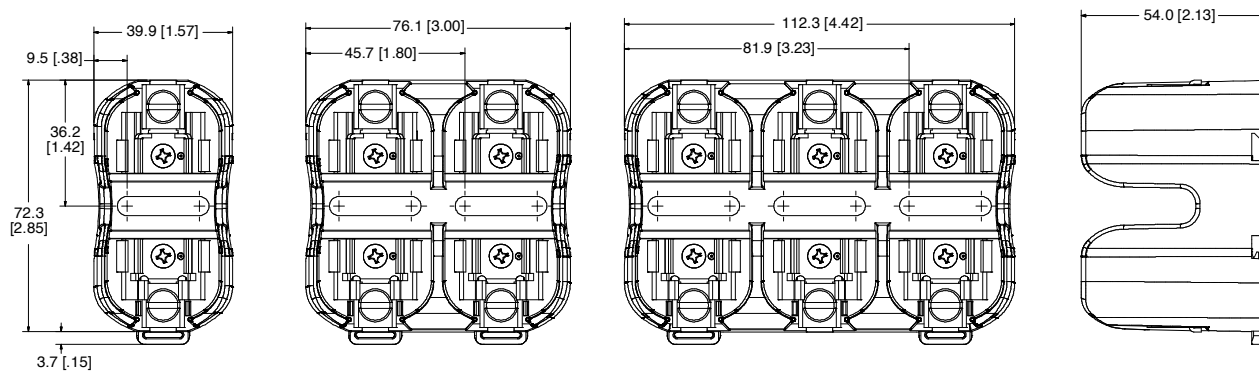
LF SERIES CLASS T FUSE BLOCKS

Dimensions mm (inches)

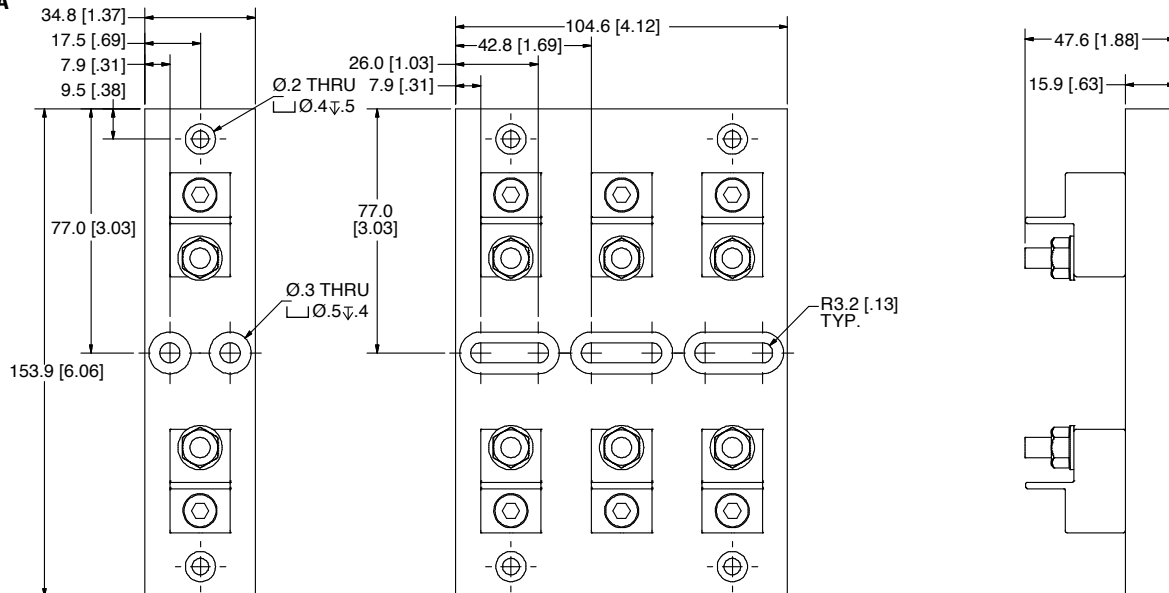
600 V 30 A



600 V 60 A



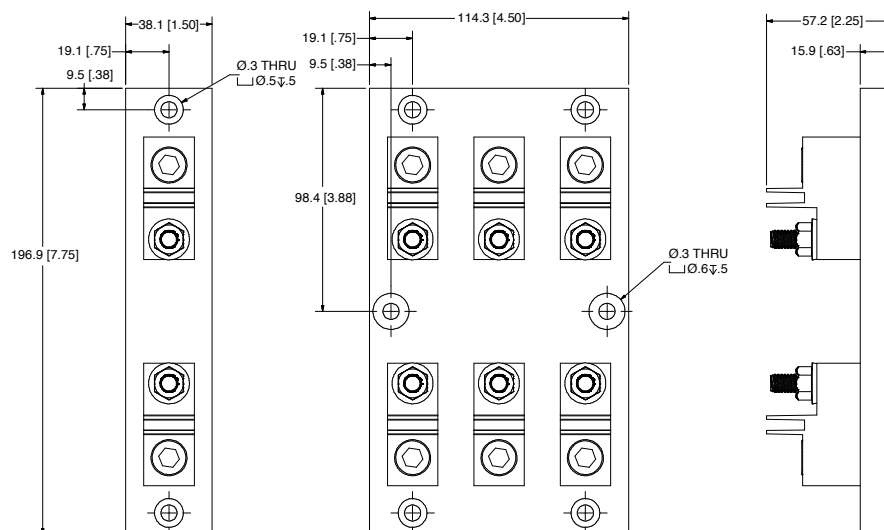
600 V 100 A



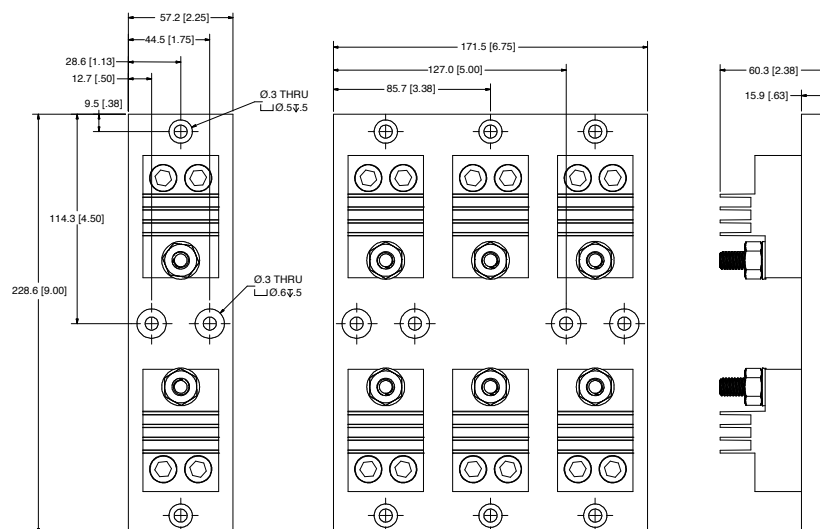
LF SERIES CLASS T FUSE BLOCKS

Dimensions mm (inches)

600 V 200 A



600 V 400 A



600 V 600 A

