POWR-GARD® Blocks and Holders Datasheet

LF SERIES CLASS H/K5 AND R FUSE BLOCKS

250 V • 600 V



Description

The Littelfuse Class H/K5 and R blocks offer many benefits such as indication, snap-to-release DIN rail mounting and mounting flexibility for easier installation. Class H and Class R fuse blocks are dimensionally the same, but Class R blocks incorporate a rejection feature, which only allows Class R fuses to be inserted.

Features/Benefits

- Accommodates a wide range of existing mounting configurations
- Indication offered on most 250 V and 600 V versions
- One hand release from DIN rail for ferrule style fuses
- Reinforced fuse clips are standard on all Class H and Class R fuse blocks
- Covers available for 100 A and lower to enhance safety
- Both hex and slot set screw options available on 60 Ampere, 600 Volt Class R box lugs

Specifications

Voltage Rating	250 V, 600 V
Ampere Ratings	0–600 A
Leakage Current	<0.6 mA at 600 V
Withstand Rating	Class H: 10 kA RMS SYM Class R: 200 kA RMS SYM
Materials:	
Base	Thermoplastic
Fuse Clip	Tin plated copper alloy
Box Lug	Aluminum
Pressure Plate	Zinc plated steel
Screw	Zinc plated steel
Flammability Rating	UL94 V-0
Approvals	UL Listed (File: E14721) CSA Certified (File: LR7316)
Environmental	RoHS Compliant, Lead (Pb) Free

Recommended Fuses

Class H/K5 Blocks – 250 V
NLN

Class R Blocks – 250 V
FLNR/FLNR_ID, KLNR, LLNRK

Class H/K5 Blocks – 600 V
NLS

Class R Blocks – 600 V
FLSR/FLSR_ID, KLSR, LLSRK/LLSRK_ID, IDSR

Web Resources

Sample requests, downloadable CAD drawings and other technical information:
Littelfuse.com/lfh
Littelfuse.com/lfr

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Ordering Information (Class H 250 V)

AMP RATING	POLES	ORDERING NUMBER: BOX LUG HEX SCREW	BOX LUG SLOT SCREW	PRESSURE PLATE	SCREW	INDICATION	TORQUE	WIRE RANGE	WIRE TYPE		BASE TEMP RATING	DIN RAIL	COVER ORDERING NUMBER *
30	1	—	LFH250301C	LFH250301P	LFH250301S	—	2.8 N-m (25 in-lbs)	BOX LUG 6–14 AWG PRESSURE PLATE 10–14 AWG SCREW 10–22 AWG	CU only	Solid / Stranded	125 °C	•	LFH25030FBC
	2	—	LFH250302C	LFH250302P	LFH250302S	—							
	3	—	LFH250303C	LFH250303P	LFH250303S	—							
60	1	—	LFH250601CID	—	—	•	5.6 N-m (50 in-lbs) 2.8 N-m (25 in-lbs)	2–4 AWG 6–14 AWG	CU-AL		125 °C	•	LFH25060FBC
		—	LFH250601C	—	—	—							
	2	—	LFH250602CID	—	—	•							
		—	LFH250602C	—	—	—							
	3	—	LFH250603CID	—	—	•							
		—	LFH250603C	—	—	—							
100	1	LFH251001CID	—	—	—	•	13.6 N-m (120 in-lbs) 4.5 N-m (40 in-lbs) 4.0 N-m (35 in-lbs)	2/0–6 AWG 8 AWG 10–14 AWG	CU-AL		130 °C	—	LFH25100FBC
		LFH251001C	—	—	—	—							
	3	LFH251003CID	—	—	—	•							
		LFH251003C	—	—	—	—							
200	1	LFH252001C	—	—	—	—	31.1 N-m (275 in-lbs)	250 kcmil-6	CU-AL		130 °C	—	—
	3	LFH252003C	—	—	—								
400	1	LFH254001C	—	—	—	—	31.1 N-m (275 in-lbs)	(2) 350 kcmil-1/0	CU-AL		130 °C	—	—
	3	LFH254003C	—	—	—								
600	1	LFH256001C	—	—	—	—	42.4 N-m (375 in-lbs)	(2) 500 kcmil-4	CU-AL		130 °C	—	—
	3	LFH256003C	—	—	—								

Note: Reinforcing springs standard on all Class H fuse blocks.
**Covers sold individually. One cover needed for each pole.*

Ordering Information (Class H 600 V)

AMP RATING	POLES	ORDERING NUMBER: BOX LUG HEX SCREW	BOX LUG SLOT SCREW	PRESSURE PLATE	SCREW	INDICATION	TORQUE	WIRE RANGE	WIRE TYPE		BASE TEMP RATING	DIN RAIL	COVER ORDERING NUMBER *
30	1	—	LFH600301CID	LFH600301PID	LFH600301SID	•	2.8 N-m (25 in-lbs)	BOX LUG 6–14 AWG PRESSURE PLATE 10–14 AWG SCREW 10–22 AWG	CU only	Solid / Stranded	130 °C	•	LFH60030FBC
		—	LFH600301C	LFH600301P	LFH600301S	—							
	2	—	LFH600302CID	LFH600302PID	LFH600302SID	•							
		—	LFH600302C	LFH600302P	LFH600302S	—							
	3	—	LFH600303CID	LFH600303PID	LFH600303SID	•							
		—	LFH600303C	LFH600303P	LFH600303S	—							
60	1	—	LFH600601CID	—	—	—	5.6 N-m (50 in-lbs) 2.8 N-m (25 in-lbs)	2–4 AWG 6–14 AWG	CU-AL		130 °C	•	LFH60060FBC
		—	LFH600601C	—	—	•							
	2	—	LFH600602CID	—	—	—							
		—	LFH600602C	—	—	•							
	3	—	LFH600603CID	—	—	—							
		—	LFH600603C	—	—	•							
100	1	LFH601001CID	—	—	—	—	13.6 N-m (120 in-lbs) 4.5 N-m (40 in-lbs) 4.0 N-m (35 in-lbs)	2/0–6 AWG 8 AWG 10–14 AWG	CU-AL		130 °C	—	LFH60100FBC
		LFH601001C	—	—	—	•							
	3	LFH601003CID	—	—	—	—							
		LFH601003C	—	—	—	•							
200	1	LFH602001C	—	—	—	—	31.1 N-m (275 in-lbs)	250 kcmil-6	CU-AL		130 °C	—	—
	3	LFH602003C	—	—	—								
400	1	LFH604001C	—	—	—	—	31.1 N-m (275 in-lbs)	(2) 350 kcmil-1/0	CU-AL		130 °C	—	—
	3	LFH604003C	—	—	—								
600	1	LFH606001C	—	—	—	—	42.4 N-m (375 in-lbs)	(2) 500 kcmil-4	CU-AL		130 °C	—	—
	3	LFH606003C	—	—	—								

Note: Reinforcing springs standard on all Class H fuse blocks.
**Covers sold individually. One cover needed for each pole.*

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Ordering Information (Class R 250 V)

AMP RATING	POLES	ORDERING NUMBER: BOX LUG HEX SCREW	ORDERING NUMBER: BOX LUG SLOT SCREW	ORDERING NUMBER: PRESSURE PLATE	ORDERING NUMBER: SCREW	INDICATION	TORQUE	WIRE RANGE	WIRE TYPE		BASE TEMP RATING	DIN RAIL	COVER ORDERING NUMBER *
30	1	—	LFR250301C	LFR250301P	LFR250301S	—	2.8 N-m (25 in-lbs)	BOX LUG 6–14 AWG PRESSURE PLATE 10–14 AWG SCREW 10–22 AWG	CU only	Solid / Stranded	125 °C	•	LFH25030FBC
	2	—	LFR250302C	LFR250302P	LFR250302S	—							
	3	—	LFR250303C	LFR250303P	LFR250303S	—							
60	1	—	LFR250601CID	—	—	•	5.6 N-m (50 in-lbs) 2.8 N-m (25 in-lbs)	2–4 AWG 6–14 AWG	CU-AL		125 °C	•	LFH25060FBC
		—	LFR250601C	—	—	—							
	2	—	LFR250602CID	—	—	•							
		—	LFR250602C	—	—	—							
	3	—	LFR250603CID	—	—	•							
		—	LFR250603C	—	—	—							
100	1	LFR251003CID	—	—	—	•	13.6 N-m (120 in-lbs) 4.5 N-m (40 in-lbs) 4.0 N-m (35 in-lbs	2/0–6 AWG 8 AWG 10–14 AWG	CU-AL		130 °C	—	LFH25100FBC
		LFR251003C	—	—	—	—							
	3	LFR251001CID	—	—	—	•							
		LFR251001C	—	—	—	—							
200	1	LFR252001C	—	—	—	—	31.1 N-m (275 in-lbs)	250 kcmil-6	CU-AL		130 °C	—	—
	3	LFR252003C	—	—	—								
400	1	LFR254001C	—	—	—	—	31.1 N-m (275 in-lbs)	(2) 350 kcmil-1/0	CU-AL		130 °C	—	—
	3	LFR254003C	—	—	—								
600	1	LFR256001C	—	—	—	—	42.4 N-m (375 in-lbs)	(2) 500 kcmil-4	CU-AL		130 °C	—	—
	3	LFR256003C	—	—	—								

Note: Reinforcing springs standard on all Class H fuse blocks.
**Covers sold individually. One cover needed for each pole.*

Ordering Information (Class R 600 V)

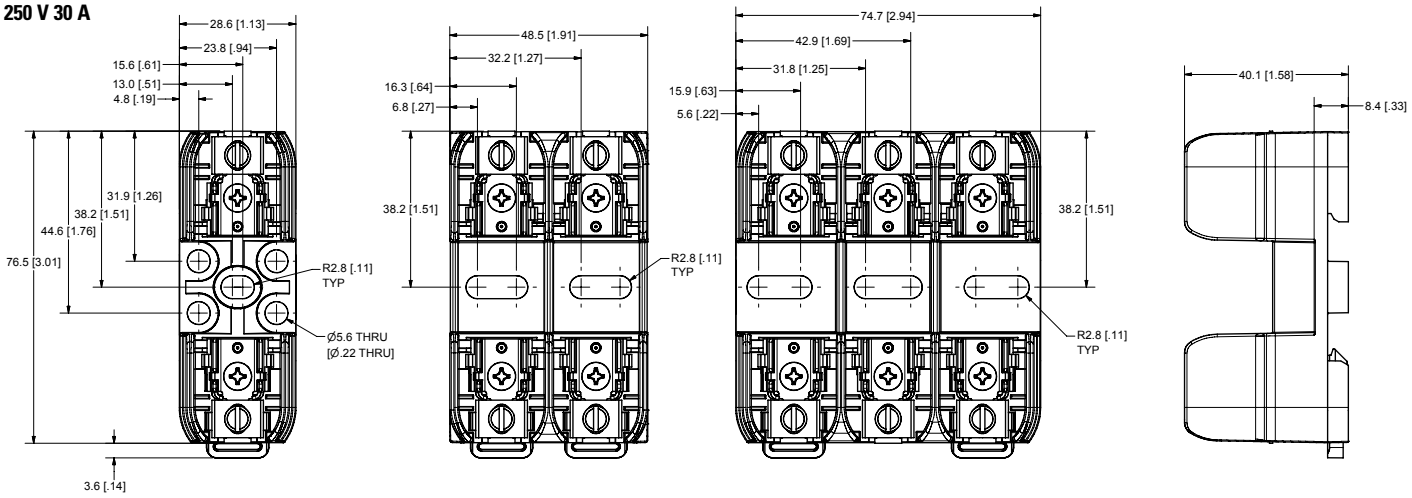
AMP RATING	POLES	ORDERING NUMBER: BOX LUG HEX SCREW	ORDERING NUMBER: BOX LUG SLOT SCREW	ORDERING NUMBER: PRESSURE PLATE	ORDERING NUMBER: SCREW	INDICATION	TORQUE	WIRE RANGE	WIRE TYPE		BASE TEMP RATING	DIN RAIL	COVER ORDERING NUMBER *
30	1	—	LFR600301CID	LFR600301PID	LFR600301SID	•	2.8 N-m (25 in-lbs)	BOX LUG 6–14 AWG PRESSURE PLATE 10–14 AWG SCREW 10–22 AWG	CU only	Solid / Stranded	130 °C	•	LFH60030FBC
		—	LFR600301C	LFR600301P	LFR600301S	—							
	2	—	LFR600302CID	LFR600302PID	LFR600302SID	•							
		—	LFR600302C	LFR600302P	LFR600302S	—							
	3	—	LFR600303CID	LFR600303PID	LFR600303SID	•							
		—	LFR600303C	LFR600303P	LFR600303S	—							
60	1	LFR600601CID-HX	LFR600601CID	—	—	•	5.6 N-m (50 in-lbs) 2.8 N-m (25 in-lbs)	2–4 AWG 6–14 AWG	CU-AL		130 °C	•	LFH60060FBC
		-	LFR600601C	—	—	—							
	2	LFR600602CID-HX	LFR600602CID	—	—	•							
		-	LFR600602C	—	—	—							
	3	LFR600603CID-HX	LFR600603CID	—	—	•							
		-	LFR600603C	—	—	—							
100	1	LFR601001CID	—	—	—	•	13.6 N-m (120 in-lbs) 4.5 N-m (40 in-lbs) 4.0 N-m (35 in-lbs)	2/0–6 AWG 8 AWG 10–14 AWG	CU-AL		130 °C	—	LFH60100FBC
		LFR601001C	—	—	—	—							
	3	LFR601003CID	—	—	—	•							
		LFR601003C	—	—	—	—							
200	1	LFR602001C	—	—	—	—	31.1 N-m (275 in-lbs)	250 kcmil-6	CU-AL		130 °C	—	—
	3	LFR602003C	—	—	—								
400	1	LFR604001C	—	—	—	—	31.1 N-m (275 in-lbs)	(2) 350 kcmil-1/0	CU-AL		130 °C	—	—
	3	LFR604003C	—	—	—								
600	1	LFR606001C	—	—	—	—	42.4 N-m (375 in-lbs)	(2) 500 kcmil-4	CU-AL		130 °C	—	—
	3	LFR606003C	—	—	—								

Note: Reinforcing springs standard on all Class H fuse blocks.
**Covers sold individually. One cover needed for each pole.*

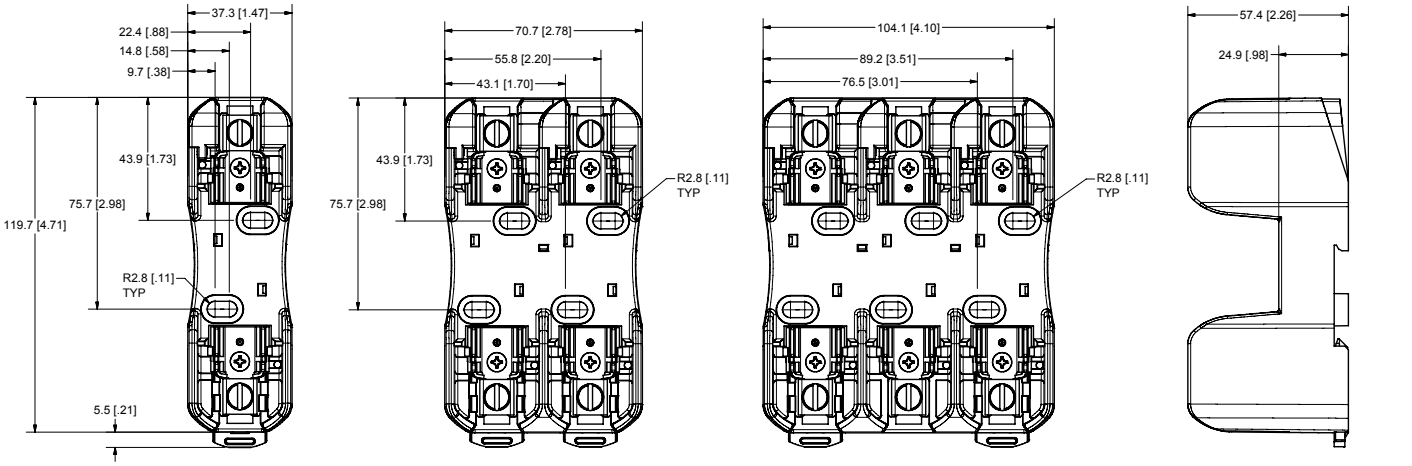
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Dimensions mm (inches)

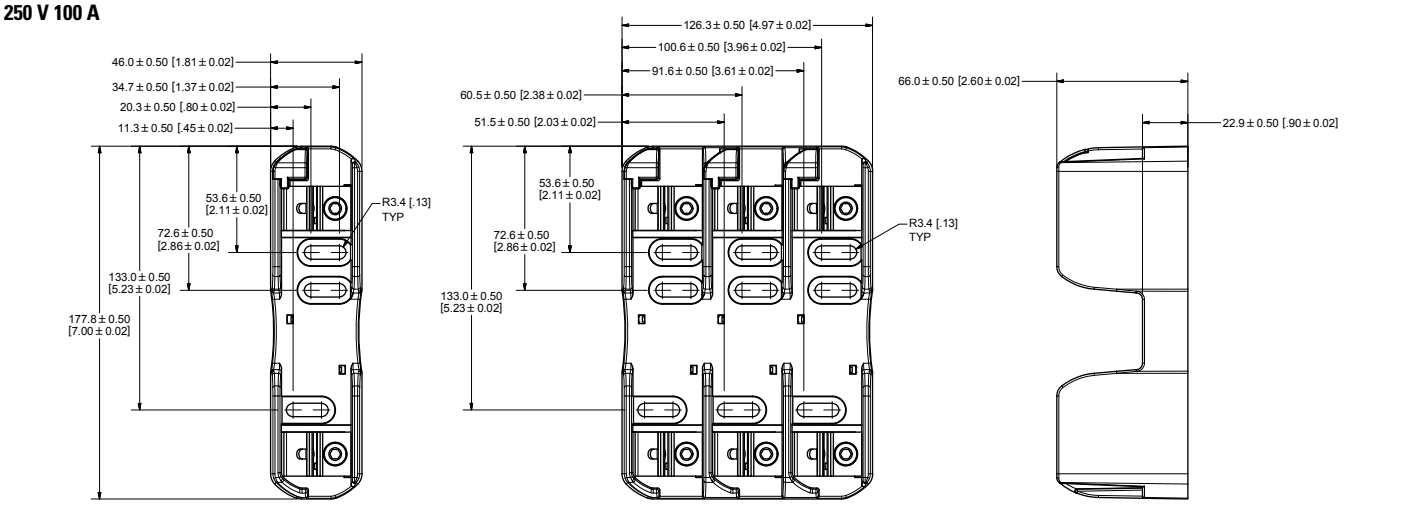
250 V 30 A



250 V 60 A



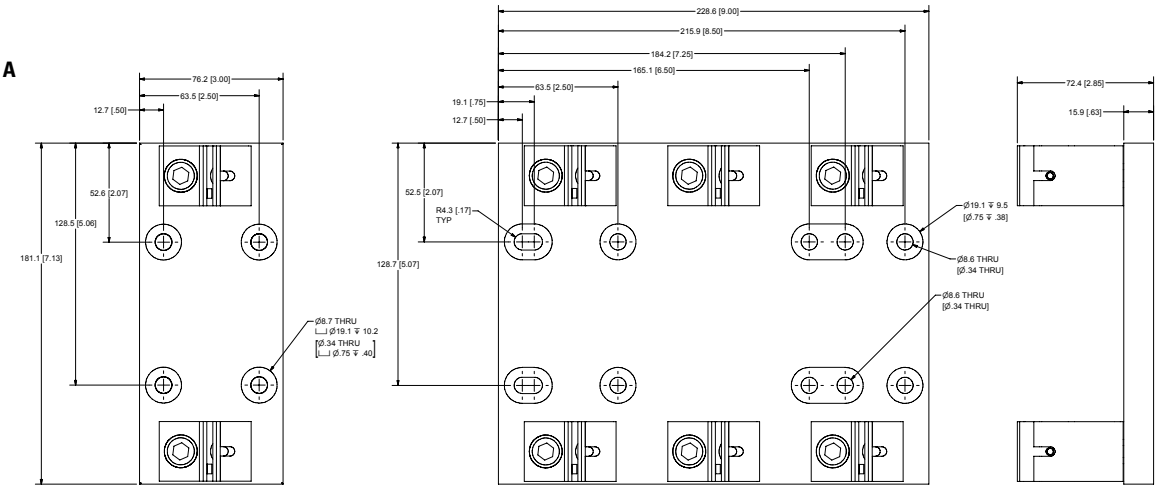
250 V 100 A



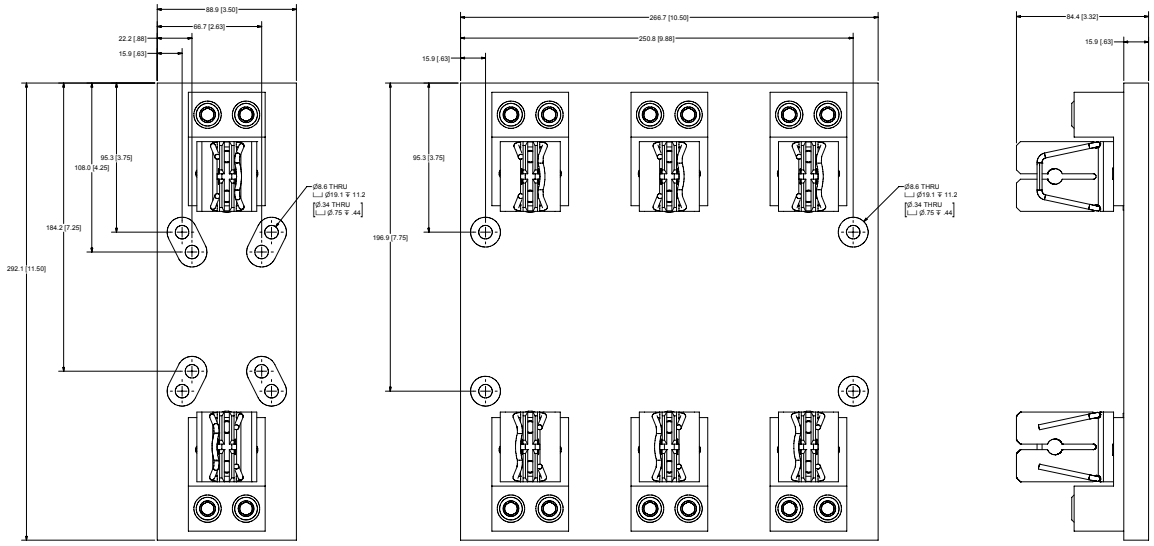
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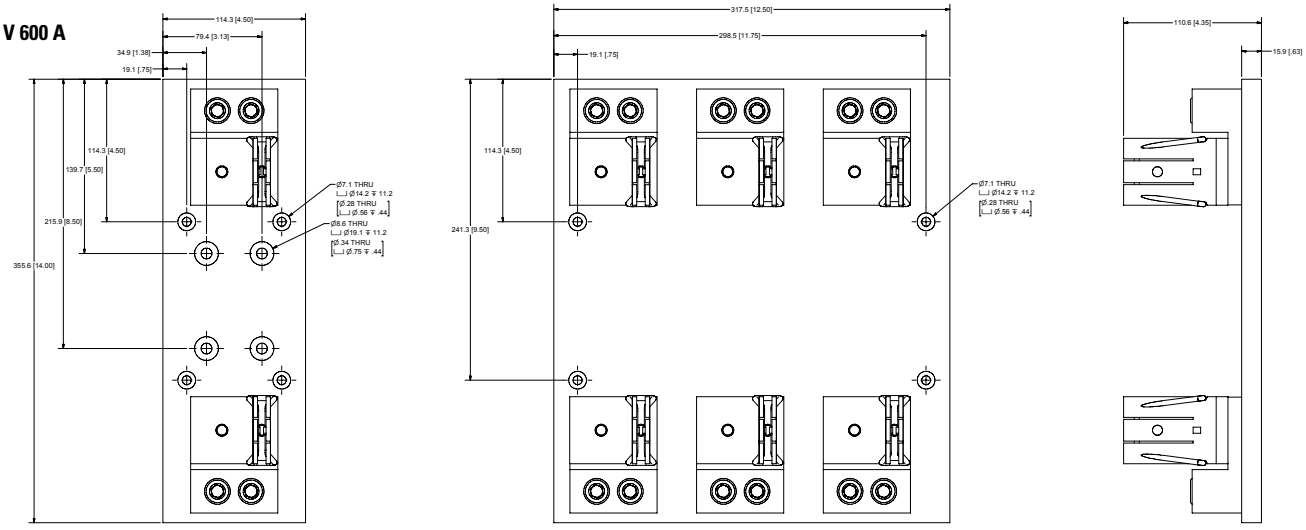
250 V 200 A



250 V 400 A



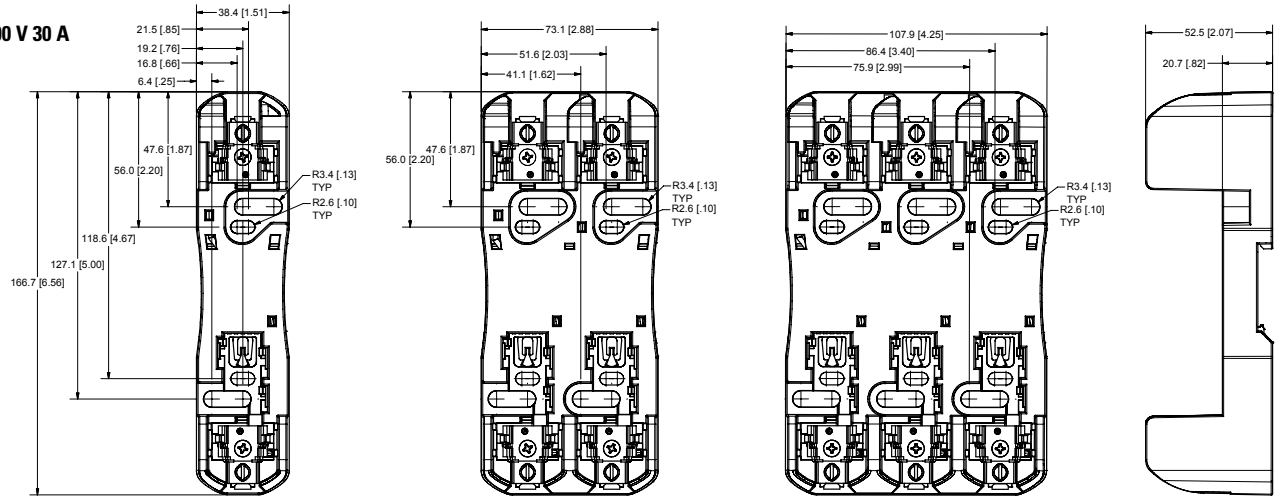
250 V 600 A



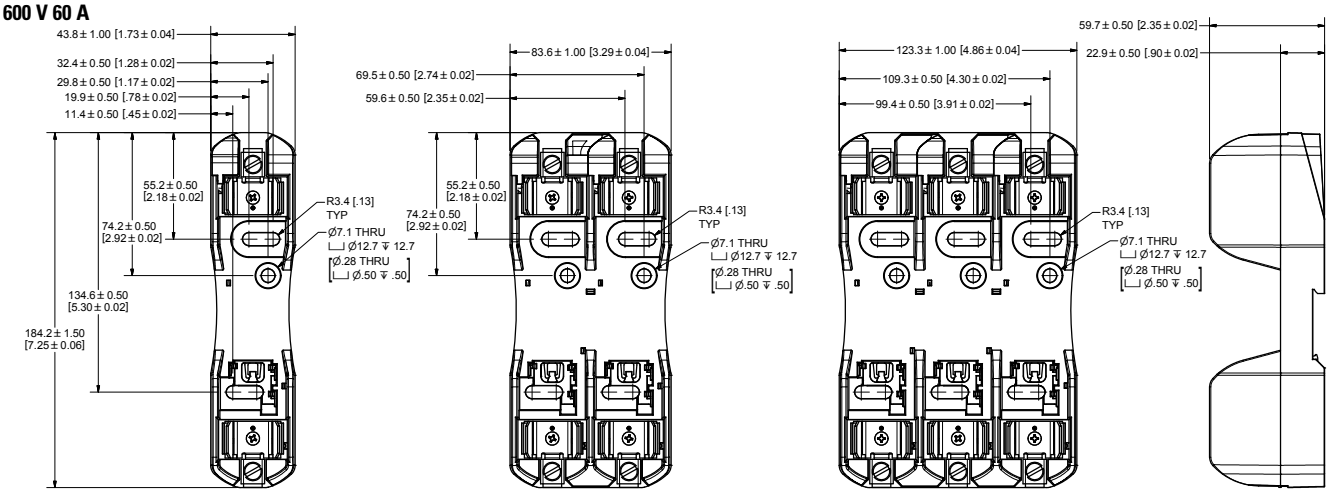
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Dimensions mm (inches)

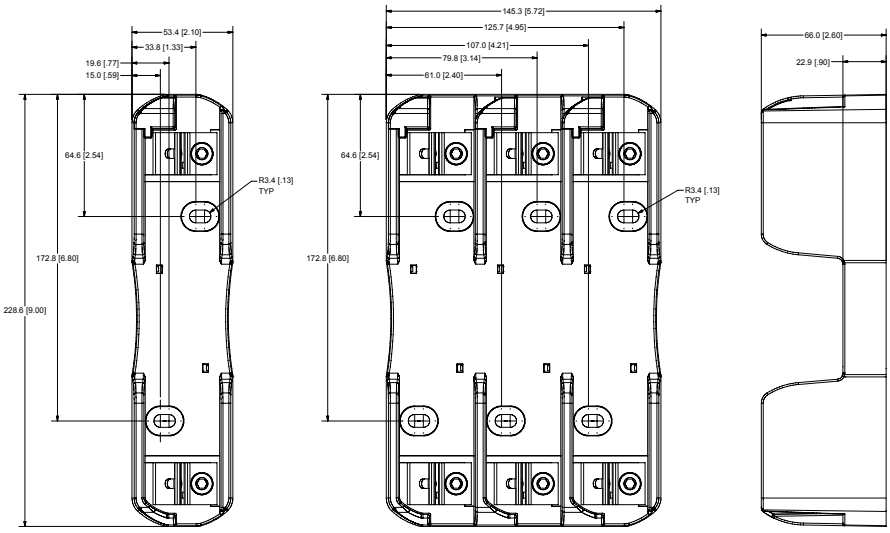
600 V 30 A



600 V 60 A



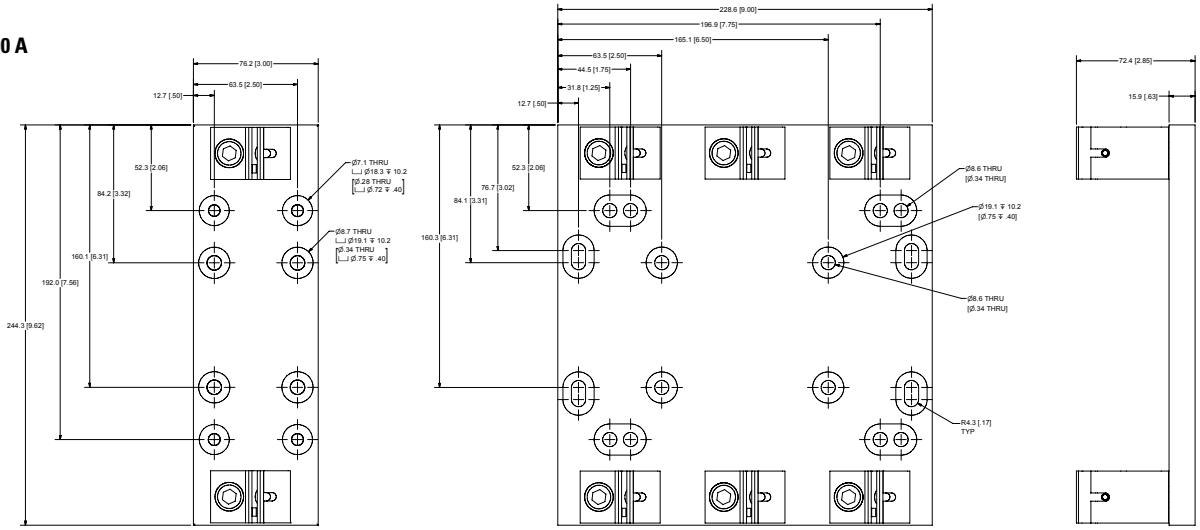
600 V 100 A



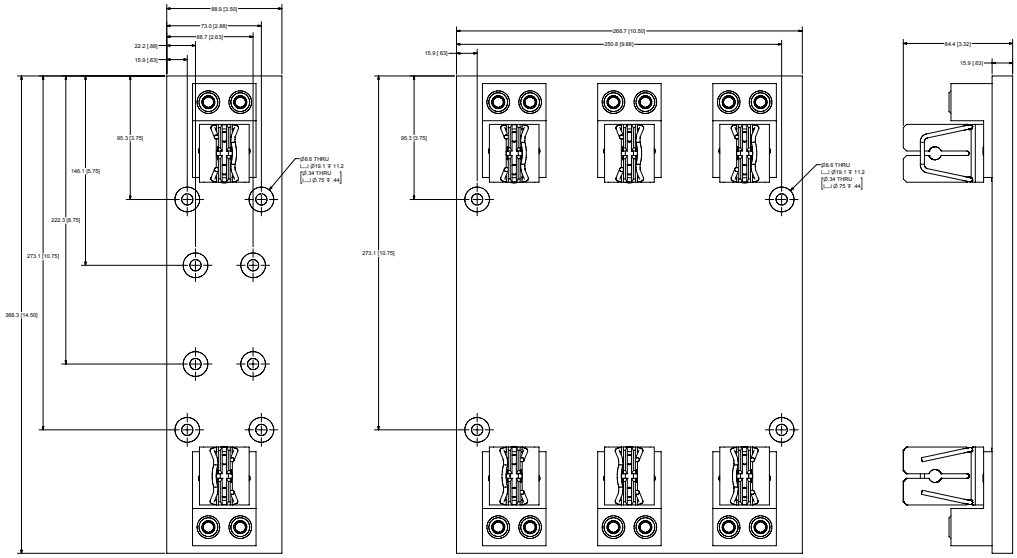
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Dimensions mm (inches)

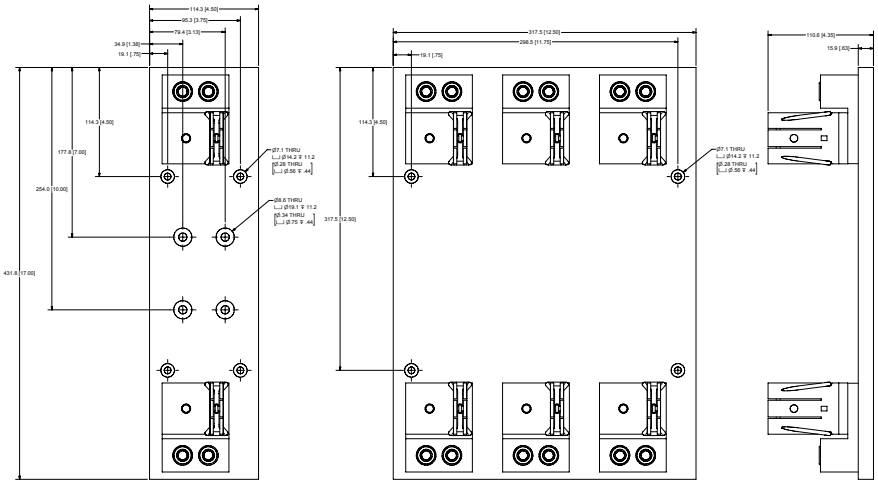
600 V 200 A



600 V 400 A



600 V 600 A



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