# 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 universal mounting holes. 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

- Universal mounting holes for easy replacement
- 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

## 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<br>Class R: 200 kA RMS SYM |
| **Flammability Rating** | UL94 V-0 |
| **Approvals** | UL Listed (File: E14721)<br>CSA Certified (File: LR7316) |
| **Environmental** | RoHS Compliant, Lead (Pb) Free |

## Web Resources

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

## Recommended Fuses

**Class H/K5 Blocks – 250 V**
NLN, RLN

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

**Class H/K5 Blocks – 600 V**
NLS, RLS

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

## Ordering Information (Class H 250 V)

| AMP RATING | POLES | ORDERING NUMBER | | | | TORQUE | TERMINAL | WIRE RANGE | WIRE TYPE | | BASE TEMP RATING | DIN RAIL | INDICATION | COVER ORDERING NUMBER* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | BASE PART NUMBER | SUFFIX | | | | | | | | | | | |
| | | | BOX LUG | PRESSURE PLATE | SCREW | | | | | | | | | |
| 30 | 1 | LFH250301 | C | P | S | 2.8 N-m (25 in-lbs) | C | 6-14 AWG | CU Only | Solid/ Stranded | 125°C | • | — | LFH25030FBC |
| | 2 | LFH250302 | C | P | S | | P | 10-14 AWG | | | | | | |
| | 3 | LFH250303 | C | P | S | | S | 10-22 AWG | | | | | | |
| 60 | 1 | LFH250601 | CID | — | — | 5.6 N-m (50 in-lbs) | 2-4 AWG | | CU-AL | | 125°C | • | • | LFH25060FBC |
| | 2 | LFH250602 | CID | — | — | | | | | | | | | |
| | 3 | LFH250603 | CID | — | — | 2.8 N-m (25 in-lbs) | 6-14 AWG | | | | | | | |
| 100 | 1 | LFH251001 | CID | — | — | 13.6 N-m (120 in-lbs) | 2/0-6 AWG | | CU-AL | | 130°C | — | • | LFH25100FBC |
| | 3 | LFH251003 | CID | — | — | 4.5 N-m (40 in-lbs) | 8 AWG | | | | | | | |
| | | | | | | 4.0 N-m (35 in-lbs) | 10-14 AWG | | | | | | | |
| 200 | 1 | LFH252001 | C | — | — | 31.1 N-m (275 in-lbs) | 250 kcmil-6 | | CU-AL | | 130°C | — | — | — |
| | 3 | LFH252003 | C | — | — | | | | | | | | | |
| 400 | 1 | LFH254001 | C | — | — | 31.1 N-m (275 in-lbs) | (2) 350 kcmil-1/0 | | CU-AL | | 130°C | — | — | — |
| | 3 | LFH254003 | C | — | — | | | | | | | | | |
| 600 | 1 | LFH256001 | C | — | — | 42.4 N-m (375 in-lbs) | (2) 500 kcmil-4 | | CU-AL | | 130°C | — | — | — |
| | 3 | LFH256003 | C | — | — | | | | | | | | | |

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



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# LF SERIES CLASS H/K5 AND R FUSE BLOCKS

## Ordering Information (Class H 600 V)

| AMP RATING | POLES | ORDERING NUMBER: BASE ORDERING NUMBER | SUFFIX: BOX LUG | SUFFIX: PRESSURE PLATE | SUFFIX: SCREW | TORQUE | TERMINAL | WIRE RANGE | WIRE TYPE | | BASE TEMP RATING | SNAP TO RELEASE | INDICATION | COVER ORDERING NUMBER* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 1 | LFH600301 | CID | PID | SID | 2.8 N-m (25 in-lbs) | C | 6-14 AWG | CU Only | Solid/ Stranded | 130°C | • | • | LFH60030FBC |
| | 2 | LFH600302 | CID | PID | SID | | P | 10-14 AWG | | | | | | |
| | 3 | LFH600303 | CID | PID | SID | | S | 10-22 AWG | | | | | | |
| 60 | 1 | LFH600601 | CID | — | — | 5.6 N-m (50 in-lbs) | 2-4 AWG | | CU-AL | | 130°C | • | • | LFH60060FBC |
| | 2 | LFH600602 | CID | — | — | | | | | | | | | |
| | 3 | LFH600603 | CID | — | — | 2.8 N-m (25 in-lbs) | 6-14AWG | | | | | | | |
| 100 | 1 | LFH601001 | CID | — | — | 13.6 N-m (120 in-lbs) | 2/0-6AWG | | CU-AL | | 130°C | — | • | LFH60100FBC |
| | | | | | | 4.5 N-m (40 in-lbs) | 8 AWG | | | | | | | |
| | 3 | LFH601003 | CID | — | — | 4.0 N-m (35 in-lbs) | 10-14 AWG | | | | | | | |
| 200 | 1 | LFH602001 | C | — | — | 31.1 N-m (275 in-lbs) | 250 kcmil-6 | | CU-AL | | 130°C | — | — | — |
| | 3 | LFH602003 | C | — | — | | | | | | | | | |
| 400 | 1 | LFH604001 | C | — | — | 31.1 N-m (275 in-lbs) | (2) 350 kcmil-1/0 | | CU-AL | | 130°C | — | — | — |
| | 3 | LFH604003 | C | — | — | | | | | | | | | |
| 600 | 1 | LFH606001 | C | — | — | 42.4 N-m (375 in-lbs) | (2) 500 kcmil-4 | | CU-AL | | 130°C | — | — | — |
| | 3 | LFH606003 | C | — | — | | | | | | | | | |

*Note: Reinforcing springs standard on all Class H fuse blocks.*

## Ordering Information (Class R 250 V)

| AMP RATING | POLES | ORDERING NUMBER: BASE ORDERING NUMBER | SUFFIX: BOX LUG | SUFFIX: PRESSURE PLATE | SUFFIX: SCREW | TORQUE | TERMINAL | WIRE RANGE | WIRE TYPE | | BASE TEMP RATING | SNAP TO RELEASE | INDICATION | COVER ORDERING NUMBER* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 1 | LFR250301 | C | P | S | 2.8 N-m (25 in-lbs) | C | 6-14 AWG | CU Only | Solid/ Stranded | 125°C | • | — | LFH25030FBC |
| | 2 | LFR250302 | C | P | S | | P | 10-14 AWG | | | | | | |
| | 3 | LFR250303 | C | P | S | | S | 10-22 AWG | | | | | | |
| 60 | 1 | LFR250601 | CID | — | — | 5.6 N-m (50 in-lbs) | 2-4 AWG | | CU-AL | | 125°C | • | • | LFH25060FBC |
| | 2 | LFR250602 | CID | — | — | | | | | | | | | |
| | 3 | LFR250603 | CID | — | — | 2.8 N-m (25 in-lbs) | 6-14 AWG | | | | | | | |
| 100 | 1 | LFR251001 | CID | — | — | 13.6 N-m (120 in-lbs) | 2/0-6 AWG | | CU-AL | | 130°C | — | • | LFH25100FBC |
| | | | | | | 4.5 N-m (40 in-lbs) | 8 AWG | | | | | | | |
| | 3 | LFR251003 | CID | — | — | 4.0 N-m (35 in-lbs) | 10-14 AWG | | | | | | | |
| 200 | 1 | LFR252001 | C | — | — | 31.1 N-m (275 in-lbs) | 250 kcmil-6 | | CU-AL | | 130°C | — | — | — |
| | 3 | LFR252003 | C | — | — | | | | | | | | | |
| 400 | 1 | LFR254001 | C | — | — | 31.1 N-m (275 in-lbs) | (2) 350 kcmil-1/0 | | CU-AL | | 130°C | — | — | — |
| | 3 | LFR254003 | C | — | — | | | | | | | | | |
| 600 | 1 | LFR256001 | C | — | — | 42.4 N-m (375 in-lbs) | (2) 500 kcmil-4 | | CU-AL | | 130°C | — | — | — |
| | 3 | LFR256003 | C | — | — | | | | | | | | | |

*Note: Reinforcing springs standard on all Class R fuse blocks.*

## Ordering Information (Class R 600 V)

| AMP RATING | POLES | ORDERING NUMBER: BASE ORDERING NUMBER | SUFFIX: BOX LUG | SUFFIX: PRESSURE PLATE | SUFFIX: SCREW | TORQUE | TERMINAL | WIRE RANGE | WIRE TYPE | | BASE TEMP RATING | SNAP TO RELEASE | INDICATION | COVER ORDERING NUMBER* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 1 | LFR600301 | CID | PID | SID | 2.8 N-m (25 in-lbs) | C | 6-14 AWG | CU Only | Solid/ Stranded | 130°C | • | • | LFH60030FBC |
| | 2 | LFR600302 | CID | PID | SID | | P | 10-14 AWG | | | | | | |
| | 3 | LFR600303 | CID | PID | SID | | S | 10-22 AWG | | | | | | |
| 60 | 1 | LFR600601 | CID | — | — | 5.6 N-m (50 in-lbs) | 2-4 AWG | | CU-AL | | 130°C | • | • | LFH60060FBC |
| | 2 | LFR600602 | CID | — | — | | | | | | | | | |
| | 3 | LFR600603 | CID | — | — | 2.8 N-m (25 in-lbs) | 6-14 AWG | | | | | | | |
| 100 | 1 | LFR601001 | CID | — | — | 13.6 N-m (120 in-lbs) | 2/0-6 AWG | | CU-AL | | 130°C | — | • | LFH60100FBC |
| | | | | — | — | 4.5 N-m (40 in-lbs) | 8 AWG | | | | | | | |
| | 3 | LFR601003 | CID | — | — | 4.0 N-m (35 in-lbs) | 10-14 AWG | | | | | | | |
| 200 | 1 | LFR602001 | C | — | — | 31.1 N-m (275 in-lbs) | 250 kcmil-6 | | CU-AL | | 130°C | — | — | — |
| | 3 | LFR602003 | C | — | — | | | | | | | | | |
| 400 | 1 | LFR604001 | C | — | — | 31.1 N-m (275 in-lbs) | (2) 350 kcmil-1/0 | | CU-AL | | 130°C | — | — | — |
| | 3 | LFR604003 | C | — | — | | | | | | | | | |
| 600 | 1 | LFR606001 | C | — | — | 42.4 N-m (375 in-lbs) | (2) 500 kcmil-4 | | CU-AL | | 130°C | — | — | — |
| | 3 | LFR606003 | C | — | — | | | | | | | | | |

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



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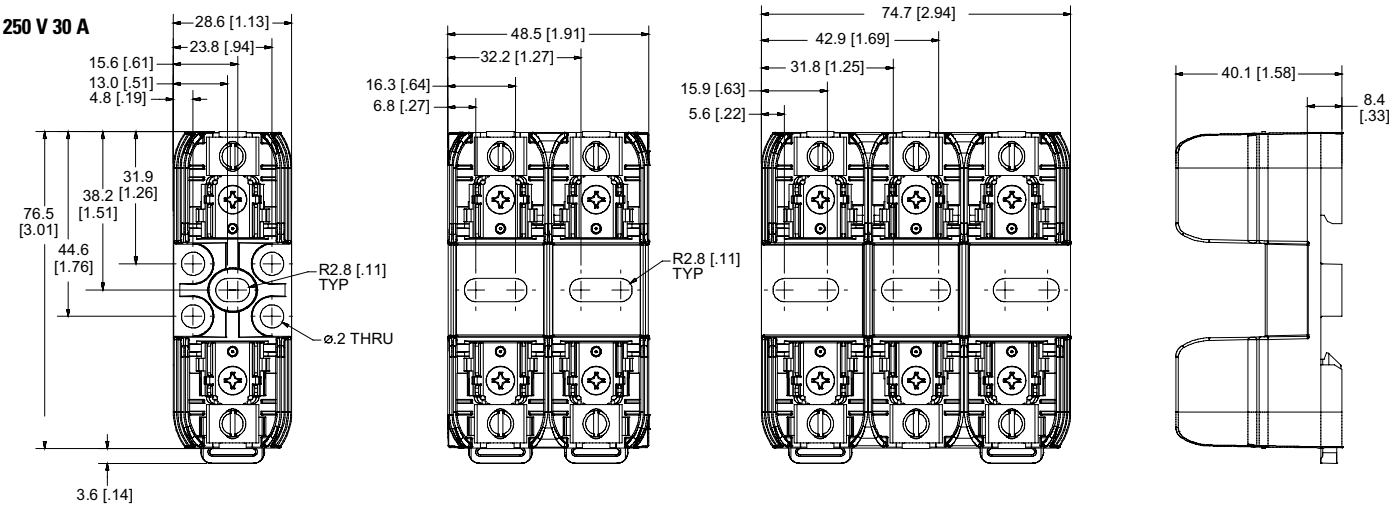
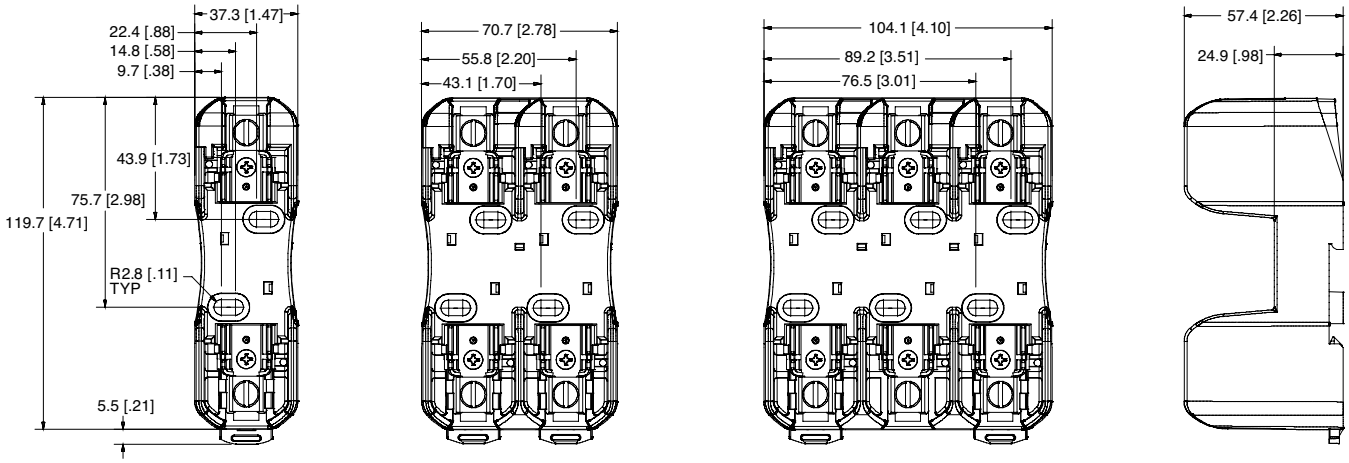
# CLASS H/K5 AND R FUSE BLOCKS

## Dimensions mm (inches)

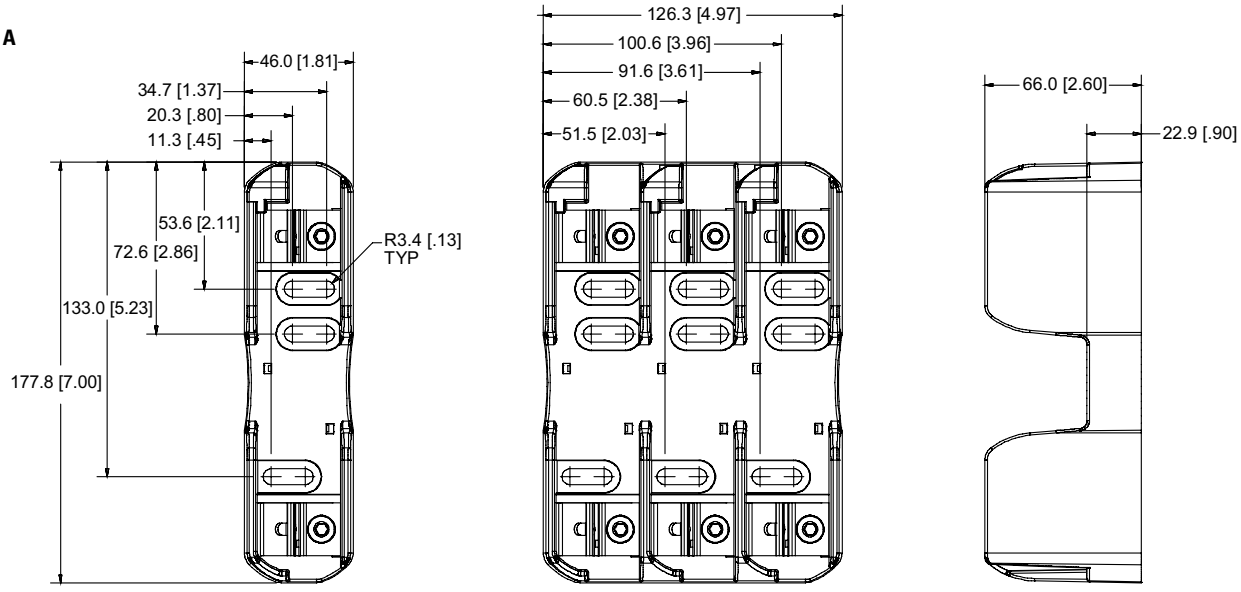
**250 V 30 A**




**250 V 60 A**




**250 V 100 A**



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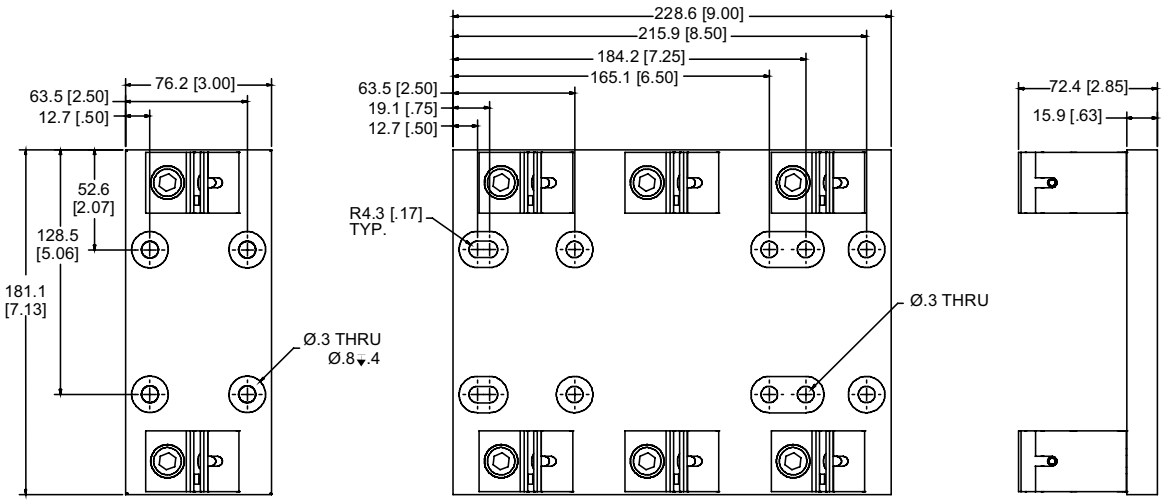
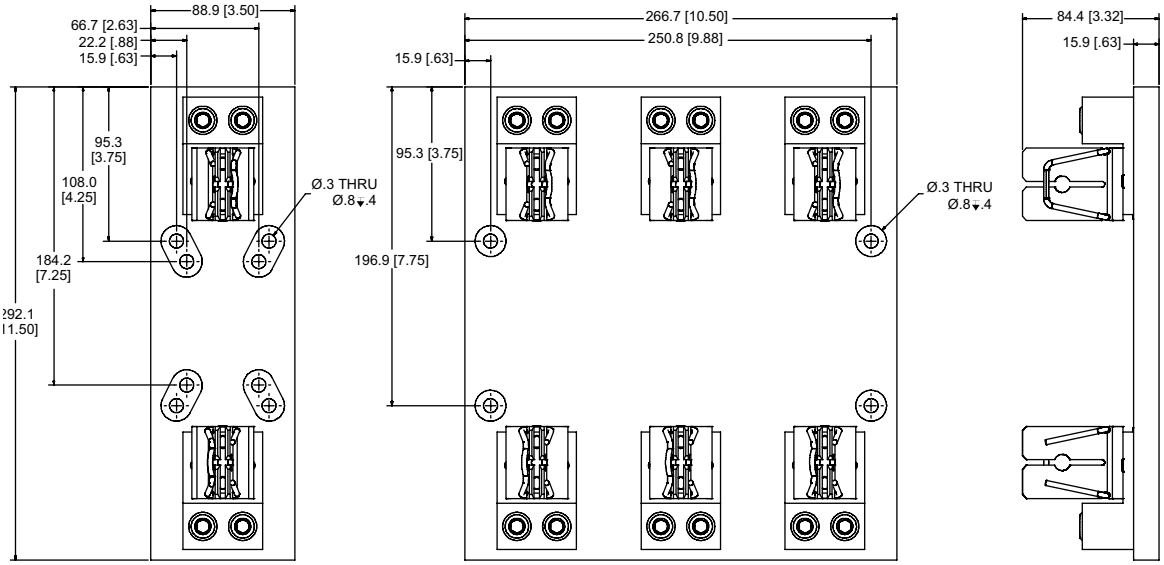
# CLASS H/K5 AND R FUSE BLOCKS

## Dimensions mm (inches)

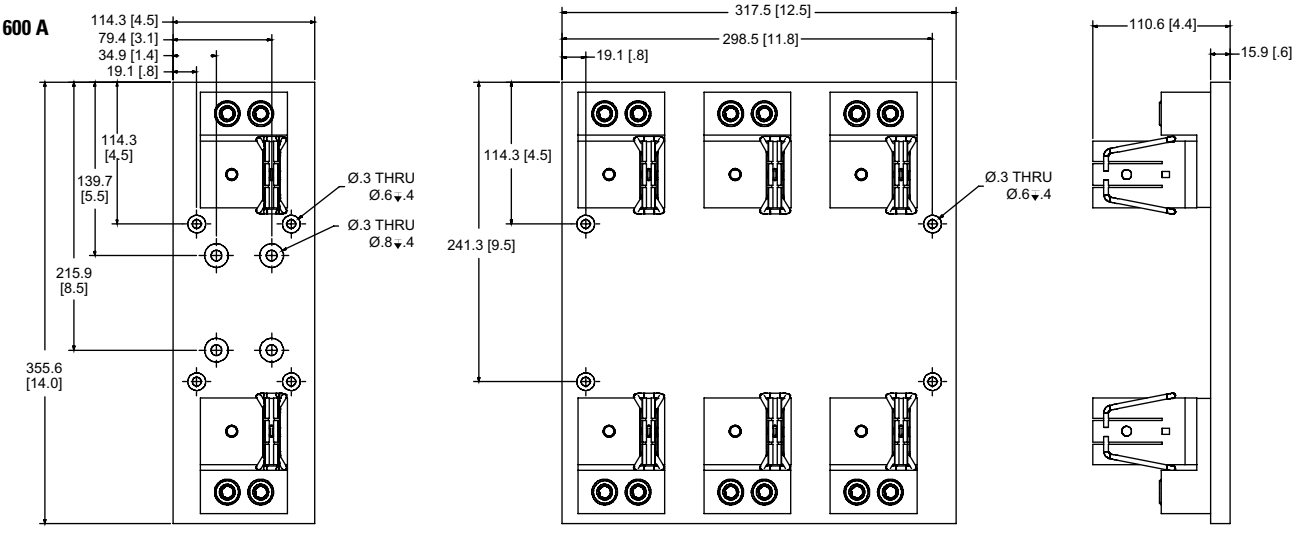
**250 V 200 A**




**250 V 400 A**




**250 V 600 A**



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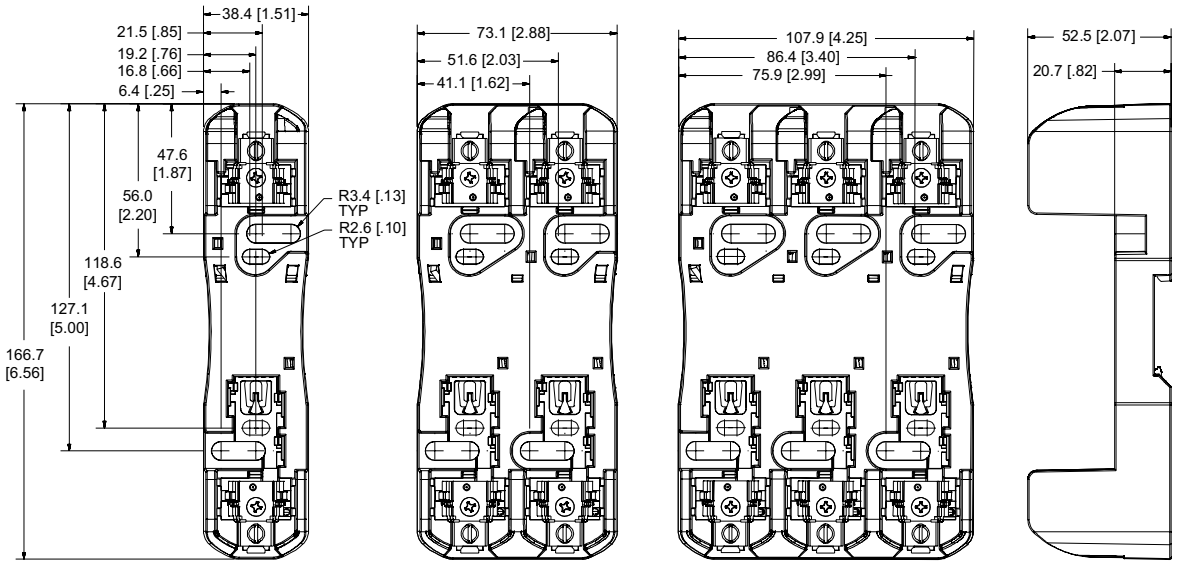
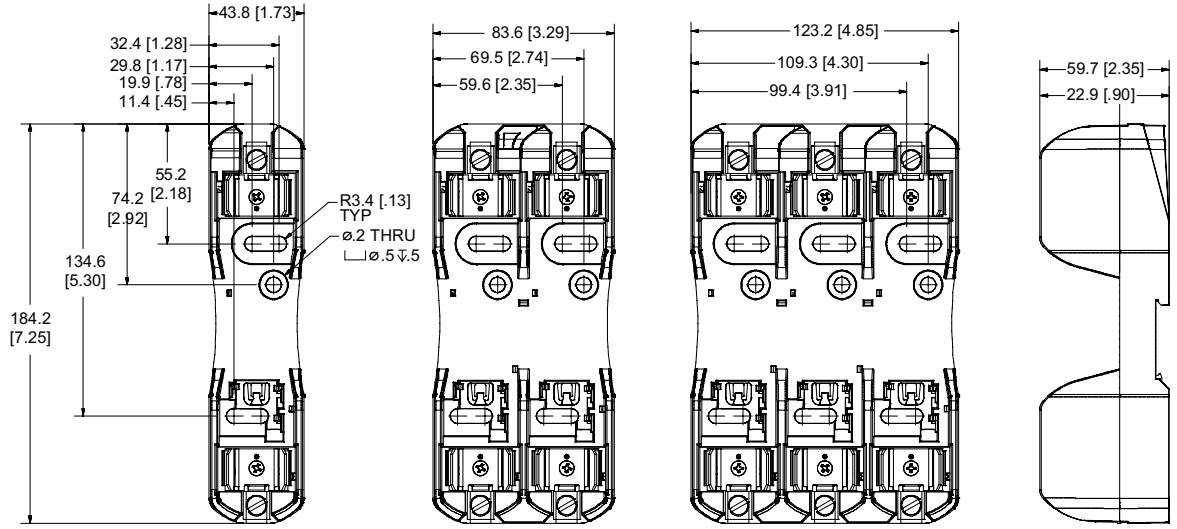
# CLASS H/K5 AND R FUSE BLOCKS

## Dimensions mm (inches)

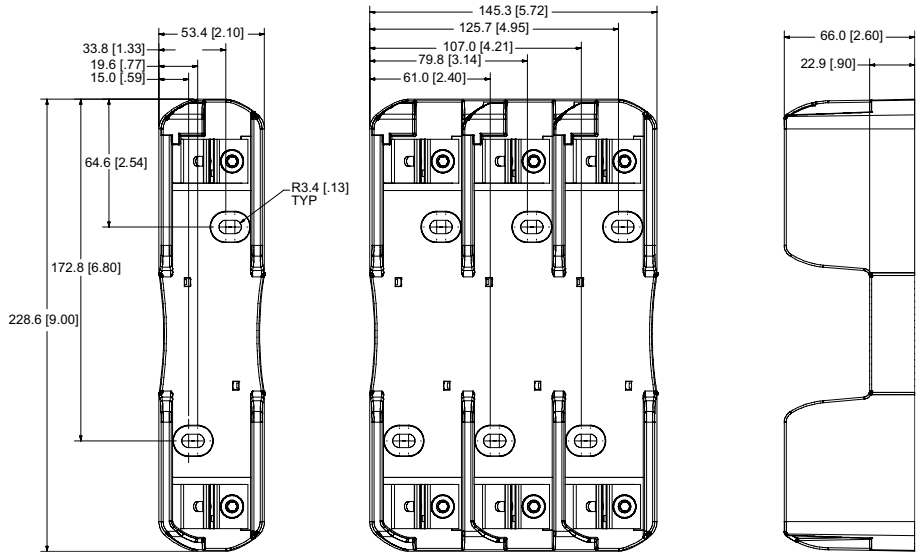
**600 V 30 A**




**600 V 60 A**




**600 V 100 A**



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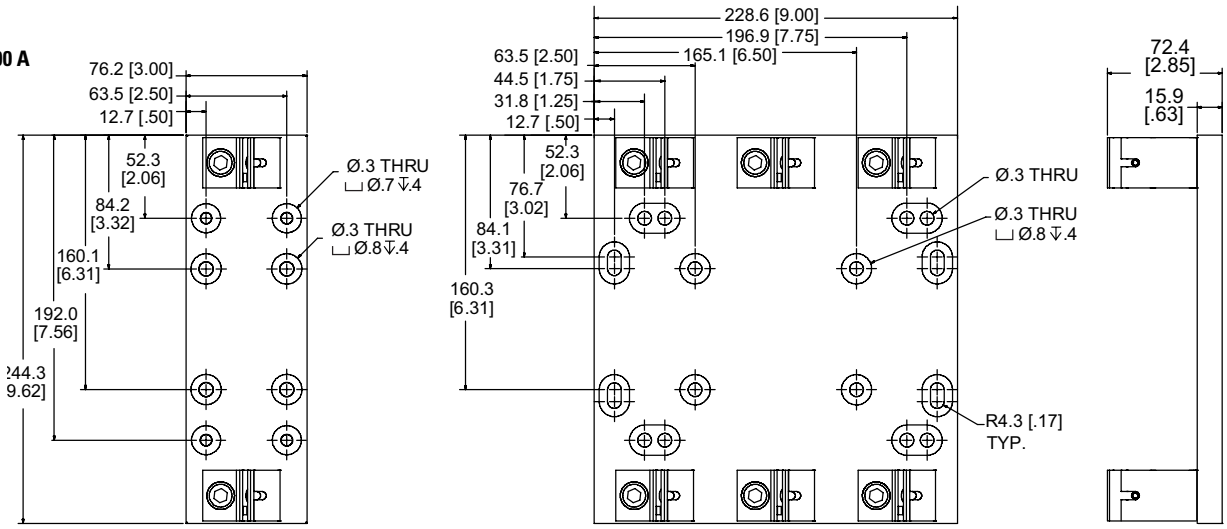
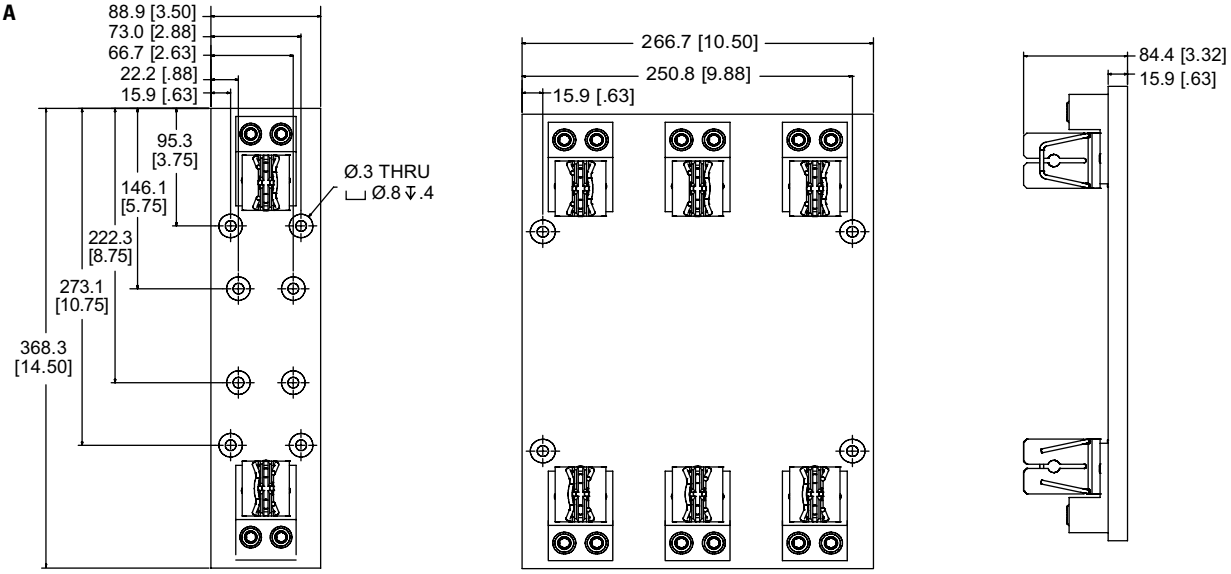
# CLASS H/K5 AND R FUSE BLOCKS

## Dimensions mm (inches)

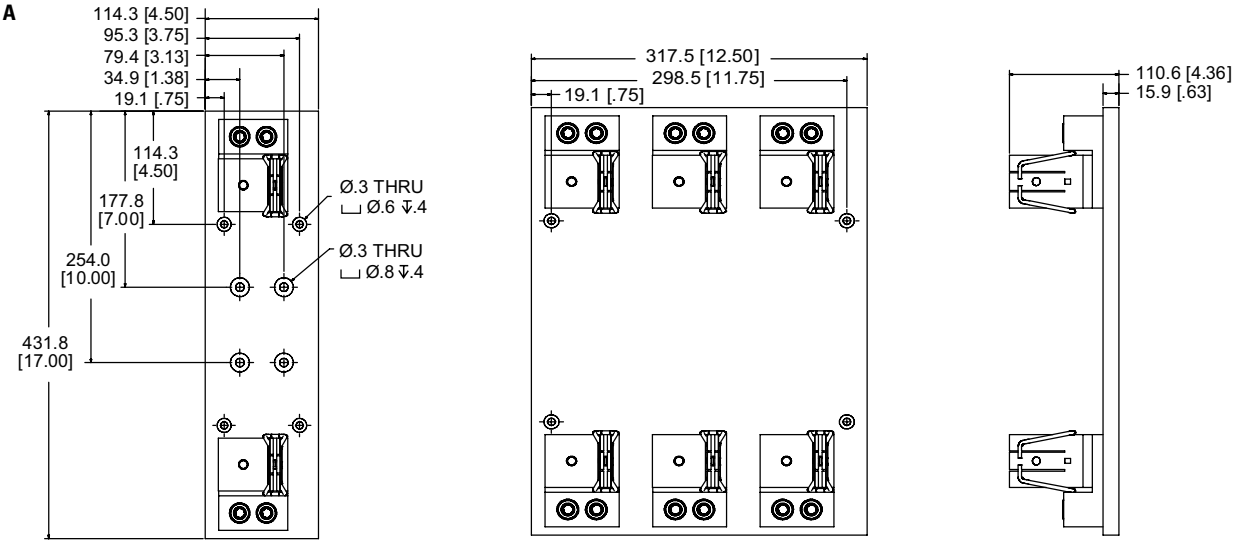
**600 V 200 A**




**600 V 400 A**




**600 V 600 A**



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