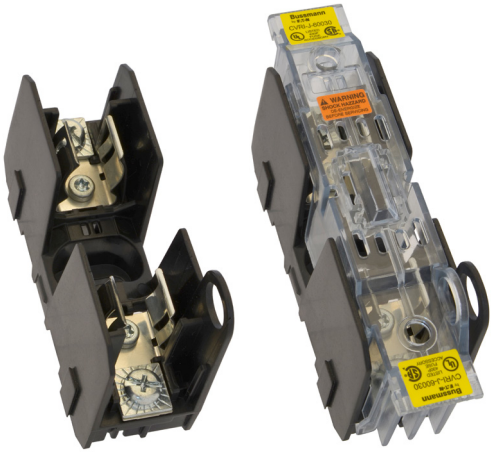
# Class H(K), J and R modular ferrule fuse blocks

RoHS



**Product description:**

HM Class H(K), JM Class J and RM Class R modular ferrule fuse blocks for fuses up to 60 amps.

The new Bussmann™ series fuse blocks contain multiple features that increase versatility, reduce labor and enhance safety for any panel or electrical system design.

**Features and benefits:**

- Available in 1-, 2-, and 3-pole configurations to meet stocking requirements.
- To reduce inventory, assembly time and labor, modular single-pole blocks snap-together for tool-less assembly of multiple poles at point of use.
- DIN-Rail and panel mount versatility allows one product to be used for multiple applications with lower inventory cost.
- Save panel space with the smallest width dimension on the market.
- Standard clip reinforcing springs improve temperature rise performance while maintaining reliable surface contact between the fuse ferrule and clip over the block's service life.
- Optional see-through, IP20 finger-safe covers enhance safety with lock-out/tag-out capability.
- Optional open fuse indication on covers speeds troubleshooting.
- Easy circuit identification with available universal marker labels for blocks and covers.

## Specifications

**Ratings:**

- Volts Class H 250V, 600V
  Class J 600V
  Class R 250V, 600V
- Amps up to 60A
- Withstand Class J and R 200kA RMS Sym
  Class H(K) 10kA RMS Sym

**Agency information:**

Blocks:

- UL® Listed E14853 - IZLT
- CSA® Certified 47235-6225-01
- CE
- RoHS Compliant
- Conflict mineral free
- REACH declaration available upon request

Covers:

- UL Listed E58836 - JDVS
- CSA Certified 47235-6225-01
- RoHS Compliant
- REACH declaration available upon request

**Poles:**

- 1-, 2-, 3-pole units factory assembled
- Single-pole units snap together to create desired number of poles

**Flammability ratings:**

- Blocks — UL 94V0, self-extinguishing
- Covers — UL 94HB, self-extinguishing

**Operating and storage temperature range:**

- Blocks -40°C to +120°C
- Non-Indicating covers -40°C to +120°C
- Indicating covers -20°C to +90°C*

* Indication requires minimum 90Vac/dc and closed circuit to illuminate.

**Materials:**

- Base — Thermoplastic
- Terminals — Tin-plated copper brass
- Covers — Thermoplastic

**Recommended Bussmann series fuses:**

Class H(K)

- Basic protection general purpose 250V NON, data sheet No. 1030
- Basic protection general purpose 600V NOS, data sheet No. 1030

Class J

- Ultimate protection Low-Peak™ LPJ time-delay fuses, data sheet No. 1006
- Advanced protection Limitron™ JKS fast-acting fuses, data sheet No. 1026

Class R

- Ultimate protection Low-Peak LPN 250V time-delay, data sheet No. 1003
- Ultimate protection Low-Peak LPS 600V time-delay, data sheet No. 1001
- Advanced protection Limitron KTN-R 250V fast-acting, data sheet No. 1043
- Advanced protection Limitron KTS-R 600V fast-acting, data sheet No. 1044
- Advanced protection energy efficient Fusetron™ FRN 250V time-delay, data sheet No. 1019
- Advanced protection energy efficient Fusetron FRS, 600V time-delay, data sheet No. 1017

**Recommended Bussmann series DIN-Rail end stops:**

- Part No. BRKT-ND
- Part No. BRKT-NDSCREW2

**Marker labels:**

- Use Bussmann series part number TM26CB

**Table 1. Terminals, conductors and torque values**

| Terminal type | AWG type/range | Torque | |
|---|---|---|---|
| | | AWG | Lb-in (N•m) |
| Box Lug ("CR" Option) | 75°C Cu 2-14, AL 2-8 | 2-3;<br>4-6;<br>8;<br>10-14; | 50 (5.6)<br>45 (5.1)<br>40 (4.5)<br>35 (4.0) |
| All other terminals* | 75/90°C Cu 10-18 | 10-18; | 20 (2.3) |

* 3/16" Quick Connect terminal maximum ampacity dependent on female spade connector and wire ratings.

**Table 2. Class H fuse block catalog numbers**

| Terminal type | | | | Volts | Fuse amp range | Poles |
|---|---|---|---|---|---|---|
| Box lug | #10-32 Phil-slot screw | Screw with quick-connect* | Pressure plate | | | |
| HM25030-1CR | HM25030-1SR | HM25030-1QR | HM25030-1PR | 250 | 1/2 to 30 | 1 |
| HM25030-2CR | HM25030-2SR | HM25030-2QR | HM25030-2PR | | | 2 |
| HM25030-3CR | HM25030-3SR | HM25030-3QR | HM25030-3PR | | | 3 |
| HM25060-1CR | — | — | — | | 31 to 60 | 1 |
| HM25060-2CR | — | — | — | | | 2 |
| HM25060-3CR | — | — | — | | | 3 |
| HM60030-1CR | HM60030-1SR | — | HM60030-1PR | 600 | 1/2 to 30 | 1 |
| HM60030-2CR | HM60030-2SR | — | HM60030-2PR | | | 2 |
| HM60030-3CR | HM60030-3SR | — | HM60030-3PR | | | 3 |
| HM60060-1CR | — | — | — | | 31 to 60 | 1 |
| HM60060-2CR | — | — | — | | | 2 |
| HM60060-3CR | — | — | — | | | 3 |

* 3/16" Quick Connect terminal maximum ampacity dependent on female spade connector and wire ratings.

**Table 3. Class H block covers**

| | | | Catalog numbers | |
|---|---|---|---|---|
| Fuse block series | Volts | Amp range | Indicating | Non-indicating |
| HM25030-#XX | 250 | 1/2 to 30 | CVRI-RH-25030 | CVR-RH-25030 |
| HM25060-#XX | | 31 to 60 | CVRI-RH-25060 | CVR-RH-25060 |
| HM60030-#XX | 600 | 1/2 to 30 | CVRI-RH-60030 | CVR-RH-60030 |
| HM60060-#XX | | 31 to 60 | CVRI-RH-60060 | CVR-RH-60060 |

# = number of poles
XX = terminal type

**Table 4. Class R fuse block catalog numbers**

| Terminal type | | | | Volts | Fuse amp range | Poles |
|---|---|---|---|---|---|---|
| Box lug | #10-32 Phil-slot screw | Screw with quick-connect | Pressure plate | | | |
| RM25030-1CR | RM25030-1SR | RM25030-1QR | RM25030-1PR | 250 | 1/2 to 30 | 1 |
| RM25030-2CR | RM25030-2SR | RM25030-2QR | RM25030-2PR | | | 2 |
| RM25030-3CR | RM25030-3SR | RM25030-3QR | RM25030-3PR | | | 3 |
| RM25060-1CR | — | — | — | | 31 to 60 | 1 |
| RM25060-2CR | — | — | — | | | 2 |
| RM25060-3CR | — | — | — | | | 3 |
| RM60030-1CR | RM60030-1SR | — | RM60030-1PR | 600 | 1/2 to 30 | 1 |
| RM60030-2CR | RM60030-2SR | — | RM60030-2PR | | | 2 |
| RM60030-3CR | RM60030-3SR | — | RM60030-3PR | | | 3 |
| RM60060-1CR | — | — | — | | 31 to 60 | 1 |
| RM60060-2CR | — | — | — | | | 2 |
| RM60060-3CR | — | — | — | | | 3 |

* 3/16" Quick Connect terminal maximum ampacity dependent on female spade connector and wire ratings.

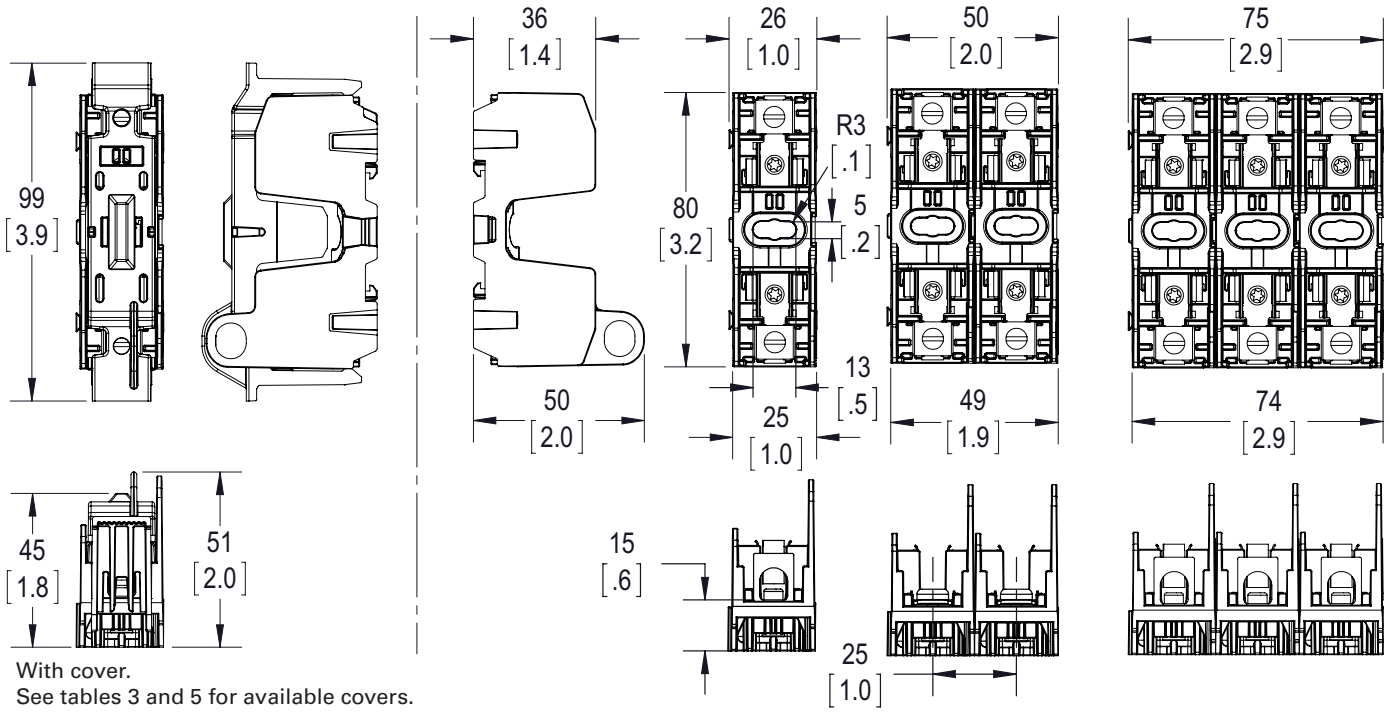
**Table 5. Class R block covers**

| | | | Catalog numbers | |
|---|---|---|---|---|
| Fuse block series | Volts | Amp range | Indicating | Non-indicating |
| RM25030-#XX | 250 | 1/2 to 30 | CVRI-RH-25030 | CVR-RH-25030 |
| RM25060-#XX | | 31 to 60 | CVRI-RH-25060 | CVR-RH-25060 |
| RM60030-#XX | 600 | 1/2 to 30 | CVRI-RH-60030 | CVR-RH-60030 |
| RM60060-#XX | | 31 to 60 | CVRI-RH-60060 | CVR-RH-60060 |

# = number of poles
XX = terminal type

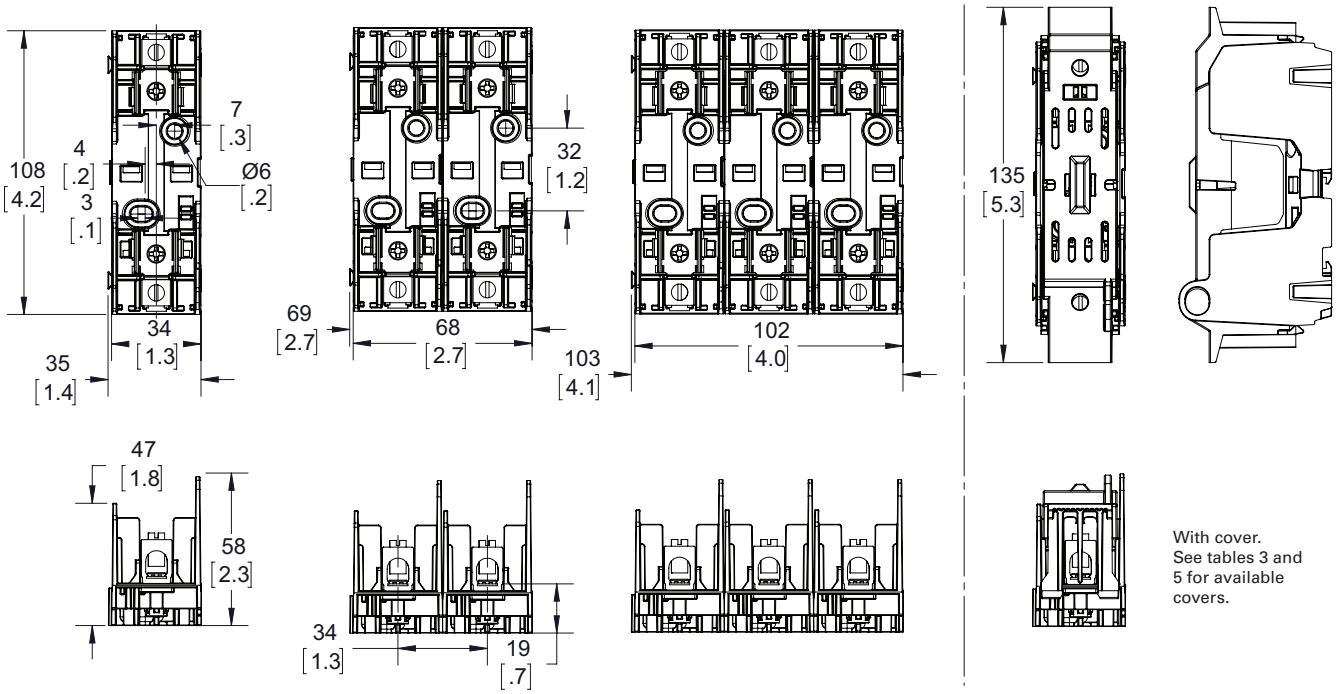
## Dimensions - mm (in):

### Class H(K) and R 250V - 30A block




With cover.
See tables 3 and 5 for available covers.

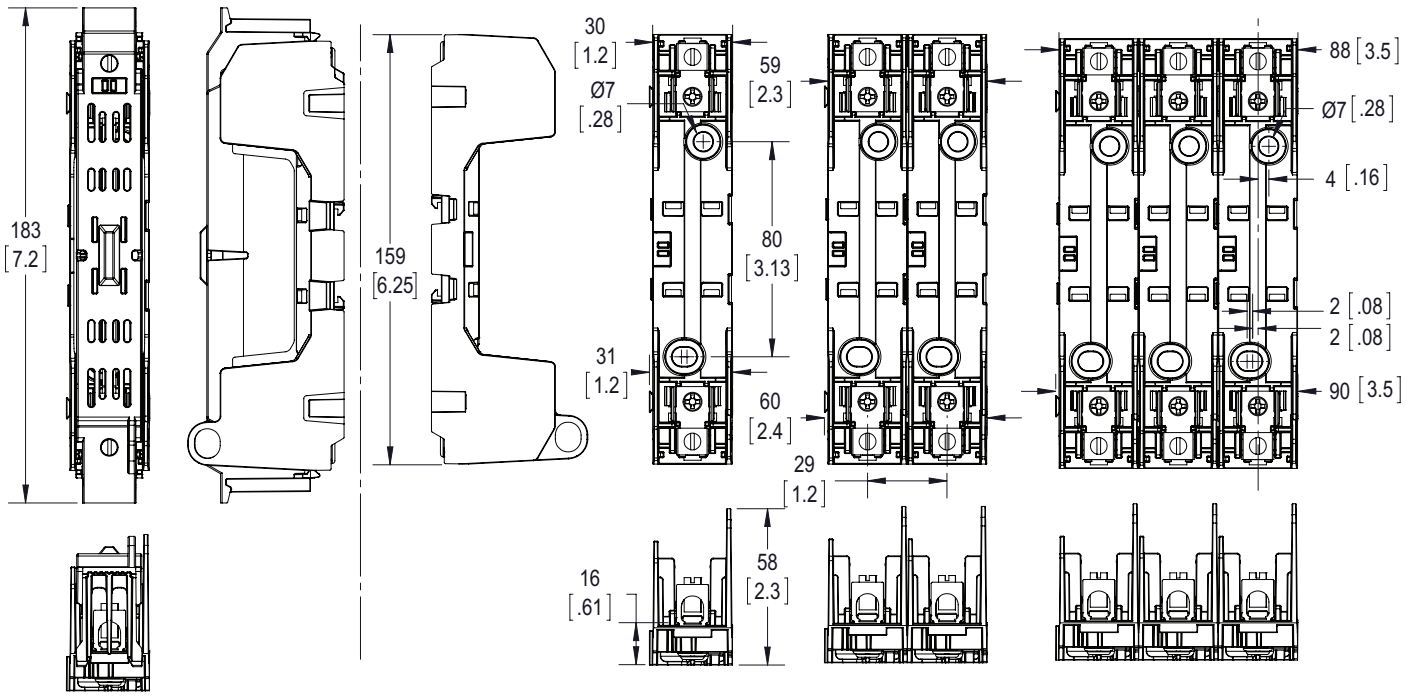
### Class H(K) and R 250V - 60A block




With cover.
See tables 3 and 5 for available covers.

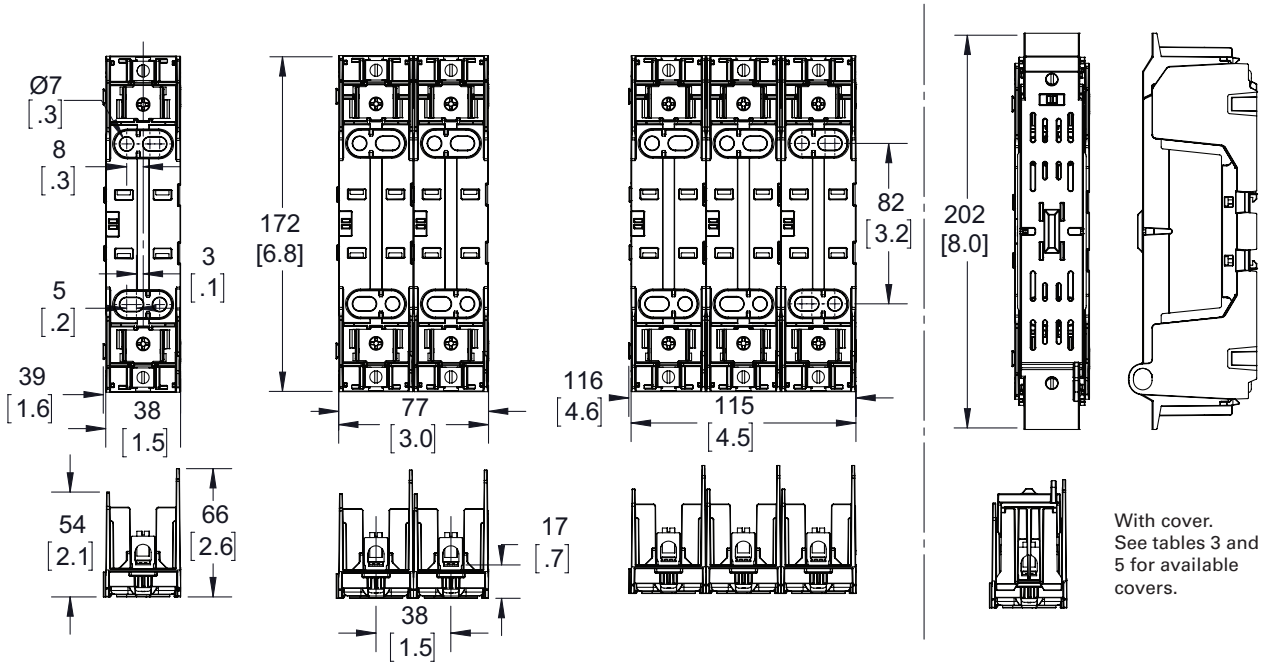
## Dimensions - mm (in):

### Class H(K) and R 600V - 30A block




With cover.
See tables 3 and 5 for available covers.

### Class H(K) and R 600V - 60A block




With cover.
See tables 3 and 5 for available covers.

**Table 6. Class J fuse block catalog numbers**

| Terminal type | | | Volts | Fuse amp range | Poles |
|---|---|---|---|---|---|
| Box lug | #10-32 Phil-slot screw | Pressure plate | | | |
| JM60030-1CR | JM60030-1SR | JM60030-1PR | 600 | 1/2 to 30 | 1 |
| JM60030-2CR | JM60030-2SR | JM60030-2PR | | | 2 |
| JM60030-3CR | JM60030-3SR | JM60030-3PR | | | 3 |
| JM60060-1CR | — | — | | 31 to 60 | 1 |
| JM60060-2CR | — | — | | | 2 |
| JM60060-3CR | — | — | | | 3 |

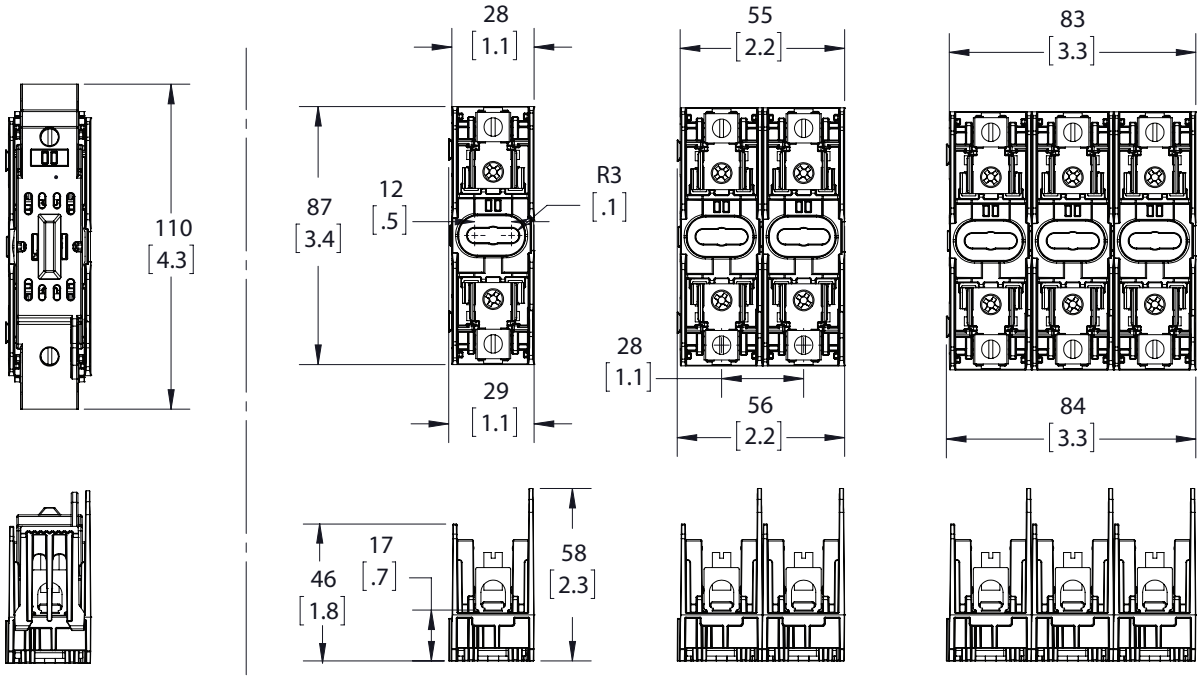
**Table 7. Class J block covers**

| | | | Catalog numbers | |
|---|---|---|---|---|
| Fuse block series | Volts | Amp range | Indicating | Non-indicating |
| JM60030-#XX | 600 | 1/2 to 30 | CVRI-J-60030 | CVR-J-60030 |
| JM60060-#XX | | 31 to 60 | CVRI-J-60060 | CVR-J-60060 |

# = number of poles
XX = terminal type

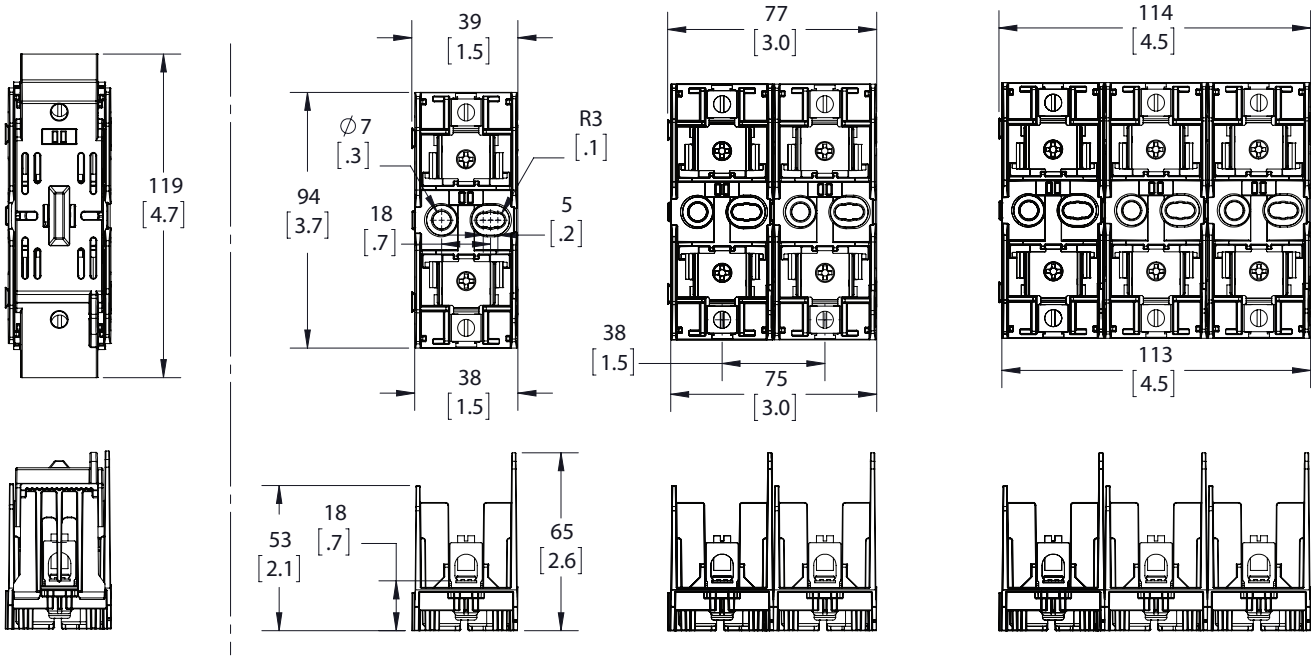
## Dimensions - mm (in):

### Class J - 30A block




With cover.
See table 7 for available covers.

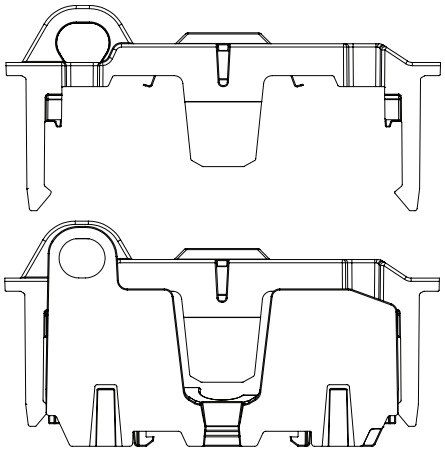
### Class J - 60A block



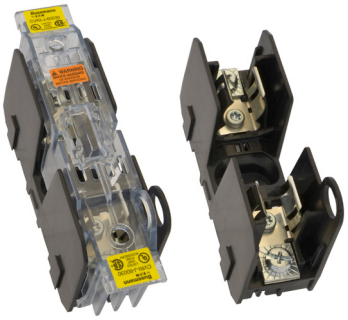

With cover.
See table 7 for available covers.

## Installing/removing covers

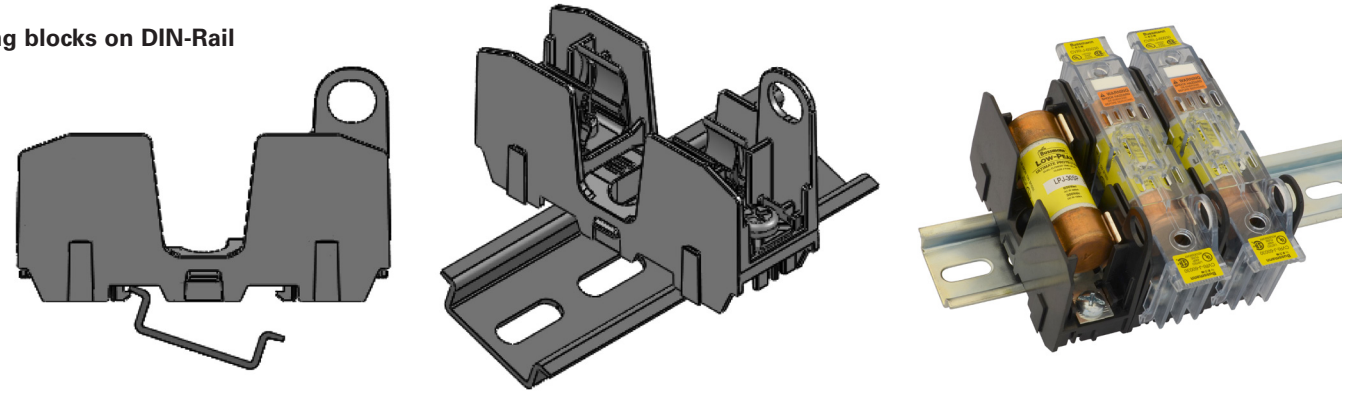
Closing cover: Position cover over block and push straight down until it snaps/clicks into place.



Opening cover: Using both outside handles, pull straight up.



## Installing blocks on DIN-Rail



Place one edge of DIN-Rail in fuse block base, then rotate block down until it clicks into place.

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