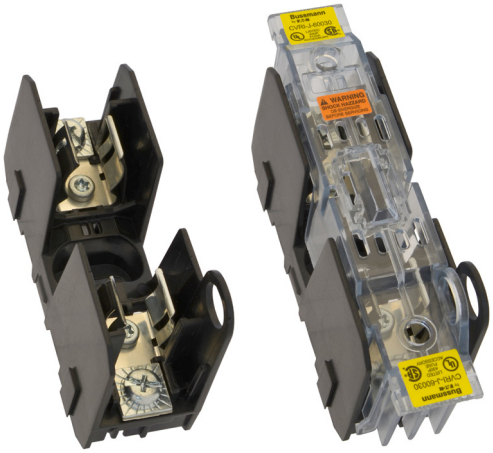
Class H(K), J and R modular ferrule fuse blocks

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; 4-6; 8; 10-14;	50 (5.6) 45 (5.1) 40 (4.5) 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.

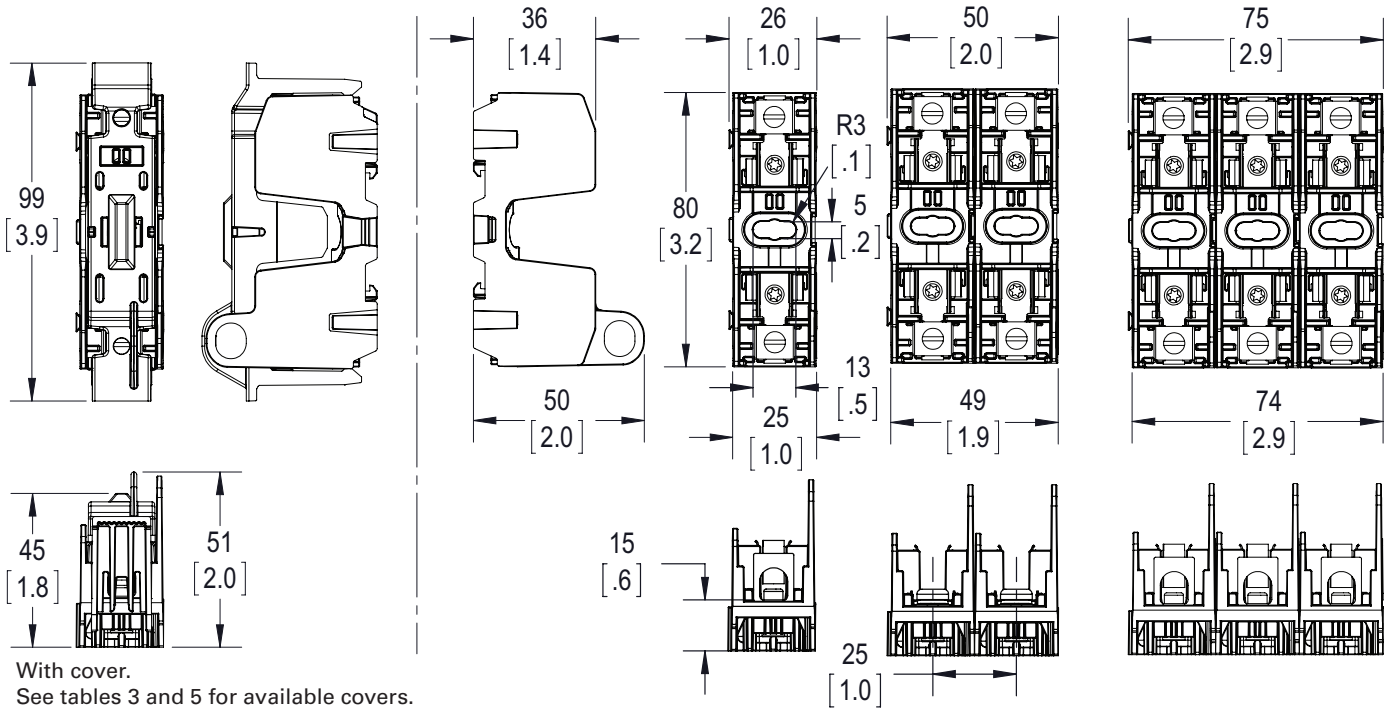
Table 5. Class R block covers

			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

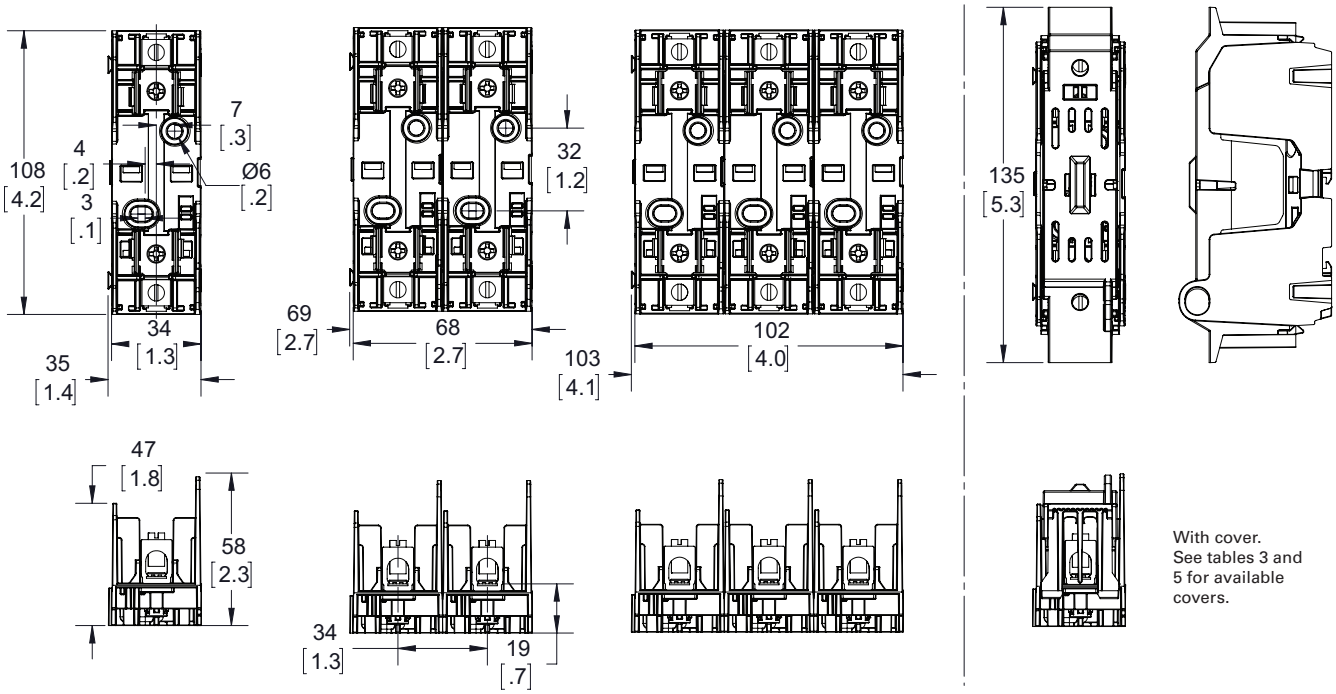
Dimensions - mm (in):

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



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

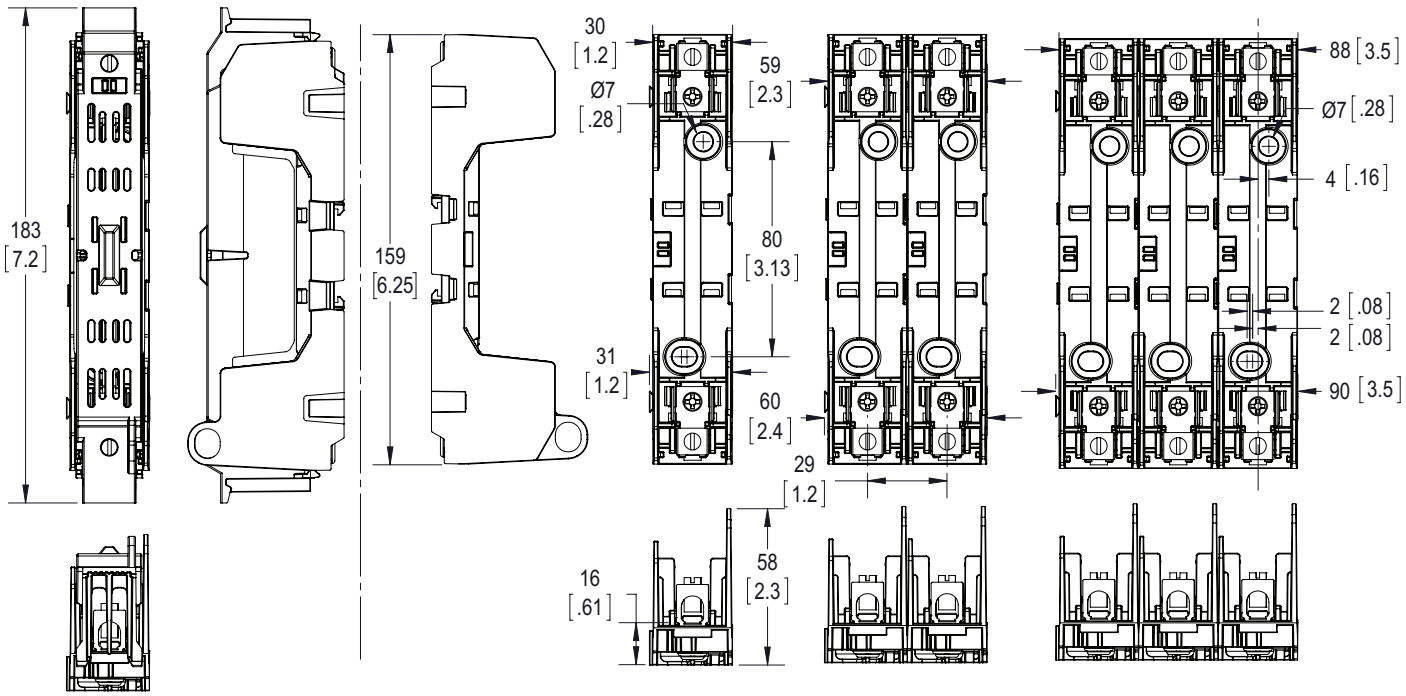
Class H(K) and R 250V - 60A block



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

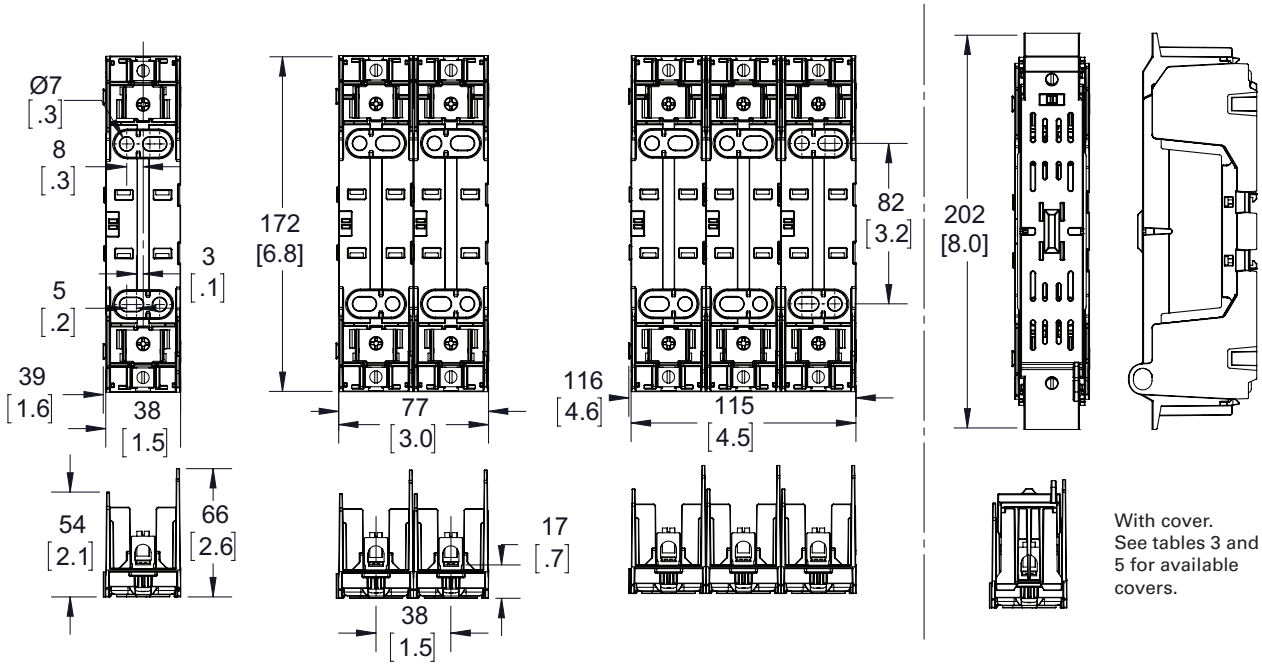
Dimensions - mm (in):

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

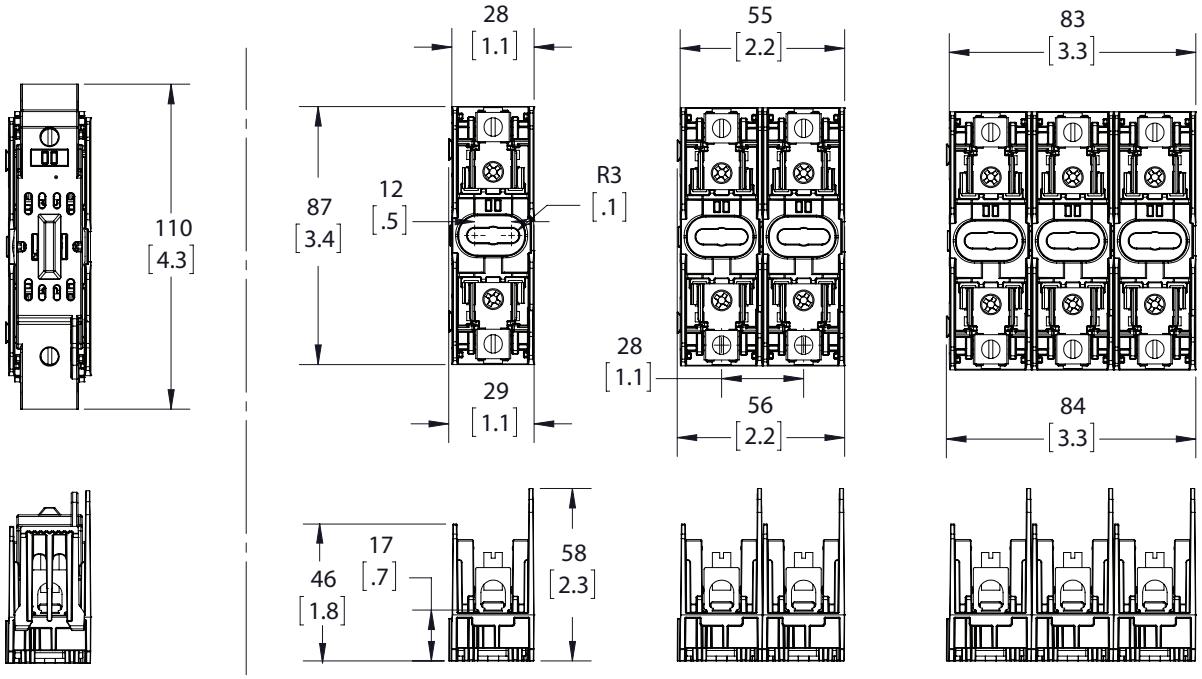
Table 7. Class J block covers

			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

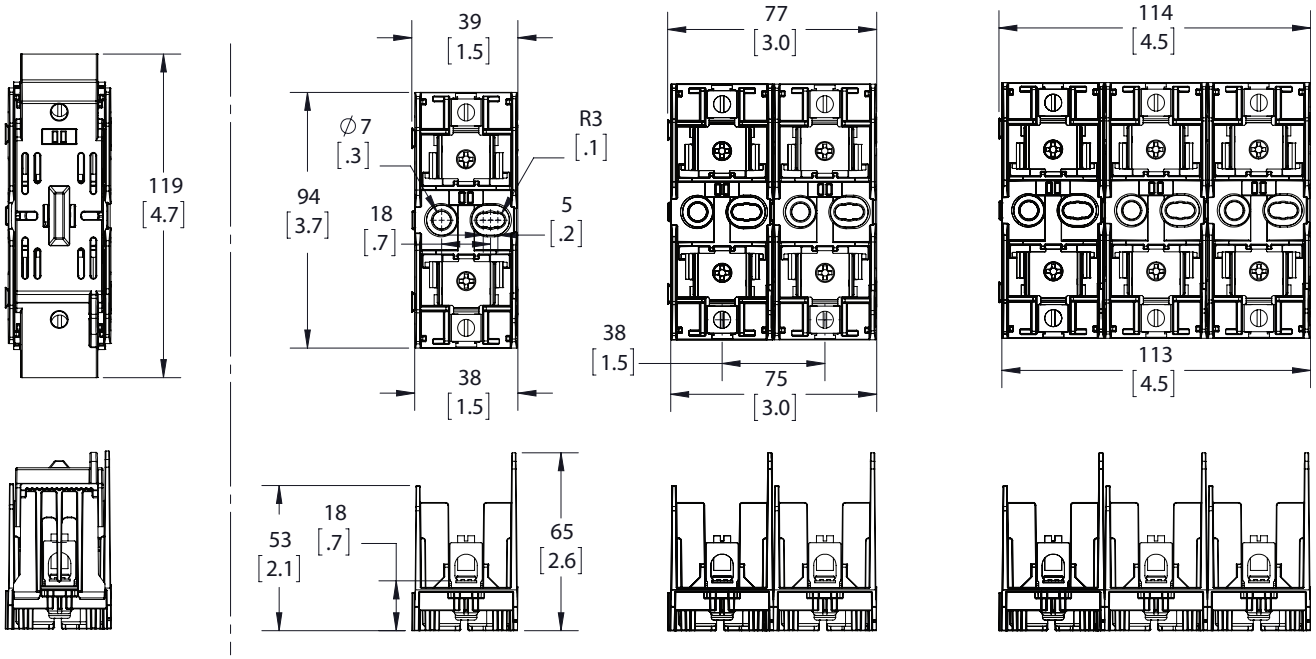
Dimensions - mm (in):

Class J - 30A block



With cover.
See table 7 for available covers.

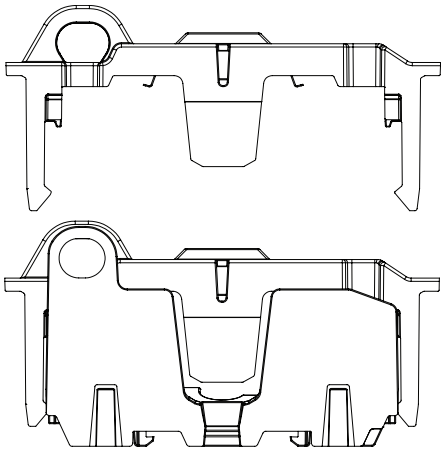
Class J - 60A block



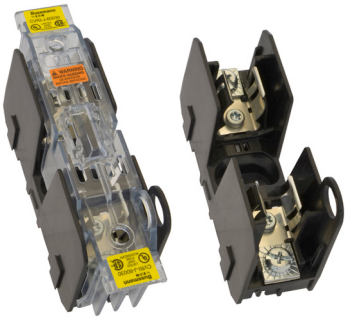
With cover.
See table 7 for available covers.

Installing/removing covers

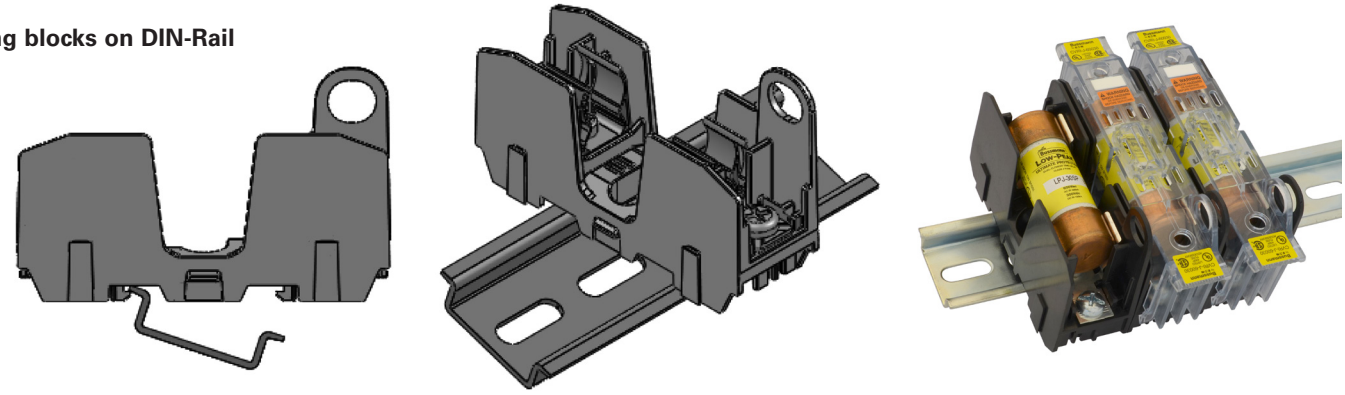
Closing cover: Position cover over block and push straight down until it snaps/clicks into place.



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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