

Modular Knifeblade Fuse Blocks

Class R, H(K), & J Applications up to 600 Amps

Specifications

Ratings:

Volts: — 250V, 600V
Amps: — 70-600A
SCCR: — 200kA (Class R & J)
10kA (Class H & K)

Agency Information:

Blocks: UL - Listed cULus
E14853 – IZLT & IZLT7
CSA - Certified 47235 –
6225-01

Covers: UL - Listed UL
E58836 – JDVS2
CSA - Certified 47235 –
6225-01

Flammability Ratings:

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

Operating & Storage Temperature Range:

Blocks -40°C to 120°C
Covers non-indicating covers -40°C to 120°C
indicating covers -20°C to 90°C

Materials:

Base – Thermoplastic
Box Lug – Tin-plated aluminum

Wire:*

Cu/Al – 75°C/90°C (100 - 200A)
Cu/Al – 75°C only (400 - 600A)

*Higher temperature rated wire can be used with appropriate derating.



RoHS

Features and Benefits

- Integral dovetails allow snapping together multiple poles at point-of-use for greater application flexibility
- Factory assembled two- and three-pole configurations available
- Up to four mounting holes per pole increase installation flexibility
- Standard phase barriers between poles for additional safety
- Design meets UL creep and clearance requirements for Industrial Control Circuits (UL 508 and UL 845)
- 200 to 600A blocks meet the higher UL creep and clearance requirements for Industrial Power Distribution Standards (UL 98, UL 69, UL 489, UL 891 and UL 869A)
- Optional IP20 finger-safe covers available on entire knifeblade fuse block product line:
 - High-clarity see-through covers allow for inspecting wire terminations or thermography measurements without removing cover
 - Probe holes included for easy, safer testing and troubleshooting
 - Built-in lockout/tagout feature improves safety
- Standard fuse clip reinforcing springs enhance electrical contact

Typical Applications

- Critical power, factory automation, renewable energy, HVAC, building/elevator controls, building entrance, process industries



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Modular Knifeblade Fuse Blocks Part Number Table



250V Class R & H(K)



600V Class R & H(K)



Class J

Catalog Number		Covers*		Volts	Fuse Range (amps)	Number of Poles	Wire Range (solid and stranded)***	Wire Range (fine stranded Cu)	Torque N•m (Lb-in)	Cooper Bussmann Fuses
Class H(K)	Class R	w/o Indication	w/ Indication							
HM25100-1CR	RM25100-1CR	CVR-RH-25100	CVRI-RH-25100	250	70-100	1	—	1-3 AWG	6.2 (55)	Class H(K): NON
HM25100-2CR	RM25100-2CR					2	1/0-3 AWG; (2) Cu 4-6 AWG 4-6 AWG; (2) Cu 8 AWG 8 AWG; (2) Cu 10-14 AWG Cu 10-14 AWG; Al 10-12 AWG	4-6 AWG 8 AWG	5.6 (50) 5.1 (45) 4.5 (40) 4.0 (35)	
HM25100-3CR	RM25100-3CR					3	—	—		
HM25200-1CR	RM25200-1CR	CVR-RH-25200	CVRI-RH-25200		110-200	1	250 MCM-1 AWG 2-6 AWG; (2) Cu 2-6 AWG	3/0-1 AWG 2-6 AWG	42 (375)	Class R: LPN-RK_SP PN-RK_SPI** FRN-R KTN-R
HM25200-2CR	RM25200-2CR					2			31 (275)	
HM25200-3CR	RM25200-3CR									
HM25400-1CR	RM25400-1CR	CVR-RH-25400	CVRI-RH-25400		225-400	1	600kcmil 500kcmil-4 AWG (2) Cu 3/0 - 4 AWG (2) Al 3/0 - 4 AWG	N/A	57 (500)	
HM25400-2CR	RM25400-2CR					2			51 (450)	
HM25400-3CR	RM25400-3CR					3			57 (500) 34 (300)	
HM25600-1CR	RM25600-1CR	CVR-RH-25600	CVRI-RH-25600		450-600	1	(2) 500kcmil-4 AWG	N/A	51 (450)	
HM25600-2CR	RM25600-2CR					2				
HM25600-3CR	RM25600-3CR					3				
HM60100-1CR	RM60100-1CR	CVR-RH-60100	CVRI-RH-60100	600	70-100	1	—	1-3 AWG	6.2 (55)	Class H(K): NOS
HM60100-2CR	RM60100-2CR					2	1/0-3 AWG; (2) Cu 4-6 AWG 4-6 AWG; (2) Cu 8 AWG 8 AWG; (2) Cu 10-14 AWG Cu 10-14 AWG; Al 10-12 AWG	4-6 AWG 8 AWG	5.6 (50) 5.1 (45) 4.5 (40) 4.0 (35)	
HM60100-3CR	RM60100-3CR					3	—	—		
HM60200-1CR	RM60200-1CR	CVR-RH-60200	CVRI-RH-60200		110-200	1	250 MCM-1 AWG 2-6 AWG; (2) Cu 2-6 AWG	3/0-1 AWG 2-6 AWG	42 (375)	Class R: LPS-RK_SP PS-RK_SPI** FRS-R KTS-R KWS-R PVS-R
HM60200-2CR	RM60200-2CR					2			31 (275)	
HM60200-3CR	RM60200-3CR									
HM60400-1CR	RM60400-1CR	CVR-RH-60400	CVRI-RH-60400		225-400	1	600kcmil 500kcmil-4 AWG (2) Cu 3/0 - 4 AWG (2) Al 3/0 - 4 AWG	N/A	57 (500)	
HM60400-2CR	RM60400-2CR					2			51 (450)	
HM60400-3CR	RM60400-3CR					3			57 (500) 34 (300)	
HM60600-1CR	RM60600-1CR	CVR-RH-60600	CVRI-RH-60600		450-600	1	(2) 500kcmil-4 AWG	N/A	51 (450)	
HM60600-2CR	RM60600-2CR					2				
HM60600-3CR	RM60600-3CR					3				

Catalog Number	Covers*		Volts	Fuse Range (amps)	Number of Poles	Wire Range (solid and stranded)	Wire Range (fine stranded)	Torque N•m (Lb-in)	Cooper Bussmann Fuses
Class J	w/o Indication	w/ Indication							
JM60100-1CR	CVR-J-60100	CVRI-J-60100	600	70-100	1	— 1/0-3 AWG; (2) Cu 4-6 AWG	1-3 AWG 4-6 AWG	6.2 (55) 5.6 (50)	LPJ_SP PJ_SPI** JKS DFJ
JM60100-2CR					2	4-6 AWG; (2) Cu 8 AWG	8 AWG	5.1 (45)	
JM60100-3CR					3	8 AWG; (2) Cu 10-14 AWG Cu 10-14 AWG; Al 10-12 AWG	— —	4.5 (40) 4.0 (35)	
JM60200-1CR	CVR-J-60200	CVRI-J-60200		110-200	1	250 MCM-1 AWG 2-6 AWG; (2) Cu 2-6 AWG	3/0-1 AWG 2-6 AWG	42 (375)	
JM60200-2CR					2			31 (275)	
JM60200-3CR									
JM60400-1CR	CVR-J-60400	CVRI-J-60400		225-400	1	600kcmil	N/A	57 (500)	
JM60400-2CR					2	500kcmil-4 AWG (2) Cu 3/0 - 4 AWG		51 (450)	
JM60400-3CR					3	(2) Al 3/0 - 4 AWG		57 (500) 34 (300)	
JM60600-1CR	CVR-J-60600	CVRI-J-60600		450-600	1	(2) 500kcmil-4 AWG	N/A	51 (450)	
JM60600-2CR					2				
JM60600-3CR					3				

*Covers sold separately. Blown fuse indication requires 90 volts minimum and closed circuit to operate.

**With *easyID™* blown fuse indication.

***Ratings for copper and aluminum wire except where otherwise noted.