

Class R, H(K), and J applications up to 600 amps

Specifications

Ratings:

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



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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Fuse holders and blocks

Modular knifeblade fuse blocks part number table



250V Class R and H(K)



600V Class R and 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) | Bussmann series 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, CDN, PON | |
| HM25100-2CR | RM25100-2CR | | | | | 2 | 1/0-3 AWG; (2) Cu 4-6 AWG | 4-6 AWG | 5.6 (50) | | |
| HM25100-3CR | RM25100-3CR | | | | | 3 | 4-6 AWG; (2) Cu 8 AWG | 8 AWG | 5.1 (45) | | |
| HM25200-1CR | RM25200-1CR | CVR-RH-25200 | CVRI-RH-25200 | | 110-200 | 1 | 8 AWG; (2) Cu 10-14 AWG | – | 4.5 (40) | | Class R: LPN-RK_SP LPN-RK_SPI** FRN-R KTN-R |
| HM25200-2CR | RM25200-2CR | | | | | 2 | 250 MCM-1 AWG | 3/0-1 AWG | 42 (375) | | |
| HM25200-3CR | RM25200-3CR | | | | | 3 | 2-6 AWG; (2) Cu 2-6 AWG | 2-6 AWG | 31 (275) | | |
| HM25400-1CR | RM25400-1CR | CVR-RH-25400 | CVRI-RH-25400 | | 225-400 | 1 | 600kcmil | N/A | 57 (500) | | |
| HM25400-2CR | RM25400-2CR | | | | | 2 | 500kcmil-4 AWG | | 51 (450) | | |
| HM25400-3CR | RM25400-3CR | | | | | 3 | (2) Cu 3/0 - 4 AWG | | 57 (500) | | |
| HM25600-1CR | RM25600-1CR | CVR-RH-25600 | CVRI-RH-25600 | | 450-600 | 1 | (2) Al 3/0 - 4 AWG | 34 (300) | | | |
| HM25600-2CR | RM25600-2CR | | | | | 2 | (2) 500kcmil-4 AWG | N/A | 51 (450) | | |
| 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, CDS | |
| HM60100-2CR | RM60100-2CR | | | | | 2 | 1/0-3 AWG; (2) Cu 4-6 AWG | 4-6 AWG | 5.6 (50) | | |
| HM60100-3CR | RM60100-3CR | | | | | 3 | 4-6 AWG; (2) Cu 8 AWG | 8 AWG | 5.1 (45) | | |
| HM60200-1CR | RM60200-1CR | CVR-RH-60200 | CVRI-RH-60200 | | 110-200 | 1 | 8 AWG; (2) Cu 10-14 AWG | – | 4.5 (40) | | Class R: LPS-RK_SP LPS-RK_SPI** FRS-R KTS-R KWS-R PVS-R |
| HM60200-2CR | RM60200-2CR | | | | | 2 | Cu 10-14 AWG; Al 10-12 AWG | – | 4.0 (35) | | |
| HM60200-3CR | RM60200-3CR | | | | | 3 | 250 MCM-1 AWG | 3/0-1 AWG | 42 (375) | | |
| HM60400-1CR | RM60400-1CR | CVR-RH-60400 | CVRI-RH-60400 | | 225-400 | 1 | 2-6 AWG; (2) Cu 2-6 AWG | 2-6 AWG | 31 (275) | | |
| HM60400-2CR | RM60400-2CR | | | | | 2 | 600kcmil | 57 (500) | | | |
| HM60400-3CR | RM60400-3CR | | | | | 3 | 500kcmil-4 AWG | 51 (450) | | | |
| HM60600-1CR | RM60600-1CR | CVR-RH-60600 | CVRI-RH-60600 | | 450-600 | 1 | (2) Cu 3/0 - 4 AWG | N/A | 57 (500) | | |
| HM60600-2CR | RM60600-2CR | | | | | 2 | (2) Al 3/0 - 4 AWG | | 51 (450) | | |
| HM60600-3CR | RM60600-3CR | | | | | 3 | (2) 500kcmil-4 AWG | | | | |

| Catalog number | | Covers* | | Volts | Fuse range (amps) | Number of poles | Wire range (solid and stranded)*** | Wire range (fine stranded) | Torque N•m (Lb-In) | Bussmann series fuses |
|----------------|--|----------------|----------------|---------|-------------------|--------------------|------------------------------------|----------------------------|--------------------|-----------------------------------|
| Class J | | w/o indication | w/ indication | | | | | | | |
| JM60100-1CR | | CVR-J-60100-M | CVRI-J-60100-M | 600 | 70-100 | 1 | – | 1-3 AWG | 6.2 (55) | LPJ_SP LPJ_SPI** JKS DFJ |
| JM60100-2CR | | | | | | 2 | 1/0-3 AWG; (2) Cu 4-6 AWG | 4-6 AWG | 5.6 (50) | |
| JM60100-3CR | | | | | | 3 | 4-6 AWG; (2) Cu 8 AWG | 8 AWG | 5.1 (45) | |
| JM60200-1CR | | CVR-J-60200-M | CVRI-J-60200-M | | 110-200 | 1 | 8 AWG; (2) Cu 10-14 AWG | – | 4.5 (40) | |
| JM60200-2CR | | | | | | 2 | Cu 10-14 AWG; Al 10-12 AWG | – | 4.0 (35) | |
| JM60200-3CR | | | | | | 3 | 250 MCM-1 AWG | 3/0-1 AWG | 42 (375) | |
| JM60400-1CR | | CVR-J-60400-M | CVRI-J-60400-M | | 225-400 | 1 | 2-6 AWG; (2) Cu 2-6 AWG | 2-6 AWG | 31 (275) | |
| JM60400-2CR | | | | | | 2 | 600kcmil | 57 (500) | | |
| JM60400-3CR | | | | | | 3 | 500kcmil-4 AWG | 51 (450) | | |
| JM60400-1MW22† | | CVR-J-60600 | CVRI-J-60600 | | 450-600 | 1 | (2) Cu 3/0 - 4 AWG | N/A | 57 (500) | |
| JM60400-2MW22† | | | | | | 2 | (2) Al 3/0 - 4 AWG | | 42 (375) | |
| JM60400-3MW22† | | | | | | 3 | (2) 350kcmil-1 AWG | | 51 (275) | |
| JM60600-1CR | | CVR-J-60600 | CVRI-J-60600 | 450-600 | 1 | (2) 2 AWG - 6 AWG | | | | |
| JM60600-2CR | | | | | 2 | (2) 500kcmil-4 AWG | N/A | 51 (450) | | |
| 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.

†For Class J 400A double box lug configuration, optional cover provides IP20 finger-safe protection for dual 350kcmil-300kcmil wires or one single 350kcmil-6 AWG wire.