

Class H(K), J and R power distribution fuse blocks



Save up to 65% panel space, while reducing installation time and costs



Innovative Bussmann series Class H(K), J and R power distribution fuse blocks combine two components in one.



Product description:

Eaton's Bussmann® series power distribution fuse blocks (PDFB) combine a fuse block and power distribution block into one component.

This patented design simplifies your panel layout and uses up to 65% less panel space. Additionally, it lowers inventory costs while reducing installation time and labor by 33%.

Bussmann series PDFBs are available for Class J ferrule and knifeblade fuses as well as Class H(K) and R ferrule fuses. PDFBs up to 60 amps feature DIN-Rail and panel mount versatility for ease of installation.

Additionally, PDFBs use fewer wire connections, reducing watts loss and overall operating temperature of the panel.

Features and benefits:

- Combination power distribution and fuse block reduces wire connections and total panel components.
- Up to a 200 kA withstand rating helps achieve a higher equipment Short-Circuit Current Rating (SCCR) for compliance with NEC® sections 110.10, 409.110(4), 409.22, 440.4(B), 670.3(A)(4) and 670.5.
- Optional see-through covers enhance safety with IP20 finger-safe protection, lockout/tagout capability and optional open circuit indication.
- Class J ferrule and knifeblade PDFBs use up to 65% less panel space, while Class H(K) and R ferrule PDFBs use up to 57% less, when compared with traditional fuse block/power distribution block solutions.



Bussmann series power distribution fuse blocks are available in 1-, 2- and 3-pole versions.

Specifications

Fuse class:

- Class H(K)
- Class J
- Class R

Ratings:

- Volts
 - 250 V (Class H(K) and R only)
 - 600 V
- Amps
 - Up to 60 A
 - 70-400 A (Class J only)
- Withstand rating (SCCR)
 - 10 kA Sym. RMS (Class H(K) only)
 - 200 kA Sym. RMS

Mounting:

- DIN-Rail and panel mount
 - Up to 60 A
- Panel mount only
 - 70-400 A Class J

Agency information:

- Blocks
 - UL® – Listed E14853 – IZLT
 - CSA® – Certified 47235 – 6225-01
 - RoHS compliant
- Covers
 - UL Listed UL E58836 – JDVS
 - RoHS compliant

Flammability ratings:

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

Materials:

- Base - Thermoplastic
- Terminals - Tin-plated aluminum

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

Wire:

- 75°C/90°C Cu/Al

Data sheets:

For detailed information, please see data sheet numbers:

- Class H(K) - No. 10490
- Class J - No. 10192
- Class R - No. 10491

Traditional solution



Power distribution fuse block solution



Smaller footprint

Uses up to 65% less panel space.

Less wire

Eliminates wire run from fuse block to power distribution block, reducing material costs.

Reduces labor

33% less labor speeds installation and saves money.

Lowers inventory costs

Reduces SKU count.

Simplifies panel design

High withstand rating and fewer components make high equipment SCCR easier to achieve.

Enhanced safety

Optional IP20 finger-safe covers available for most blocks.

Lower heat rise

Reduced watts loss results in a lower overall enclosure operating temperature.

Notes:

1. Traditional solution and power distribution fuse block shown to scale.
2. Power distribution fuse block shown with optional covers.
3. Fuses sold separately.

Available fuse class



Class J PDFB

(3-pole configuration shown with Bussmann series ultimate protection Low-Peak™ fuses)



Class H(K) PDFB

(3-pole configuration shown with Bussmann series general purpose fuses)



Class R PDFB

(3-pole configuration shown with Bussmann series advanced protection Fusetron™ fuses)

Features

Available two-port lineside lug for easy daisy-chain wiring configuration. See catalog number table for applicable catalog numbers.

Standard phase barriers for additional safety

Tool-less interlocking modular design for easy point-of-use assembly

Optional see-through, snap-on cover for easy visual inspection

Finger grips on cover for easy removal

Lockout/tagout feature improves safety

Probe holes for easy testing without removing cover

Vent slots improve cooling (No fusing derating necessary)

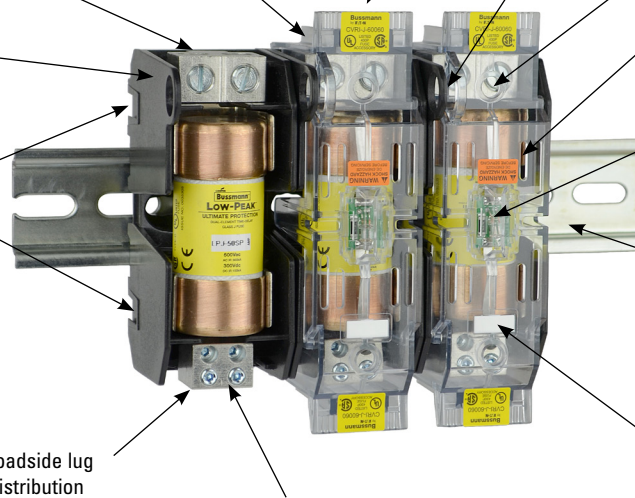
Optional open fuse indication speeds troubleshooting

DIN-Rail or panel mounting on each pole provides installation flexibility (DIN-Rail mounting applies to 30 and 60 A blocks only)

Multi-port loadside lug for power distribution to multiple branch circuit connections

Ports on power distribution lugs rated for dual-wire application, increasing the number of branch circuit connections (see catalog number table for details)

Marker label provision for easy circuit identification (applies to 30 and 60 A blocks only)



Catalog numbers

Part number	Optional covers	Voltage (V)	Fuse range (A)	Poles	Lineside	Loadside
Class J						
JM60030-_MW14	N/A	600	Up to 30	1, 2, 3	(1) 2-14 AWG Cu, 2-8 AWG AI	(4) 8-14 AWG Cu, 8-10 AWG AI (8)** 12-14 AWG Cu
JM60060-_MW12 [†]		600	35-60	1, 2, 3	(2) 2-14 AWG Cu, 2-8 AWG AI	(1) 2-14 AWG Cu, 2-8 AWG AI
JM60060-_MW14 [†]	CVR-J-60060 CVRI-J-60060*	600	35-60	1, 2, 3	(1) 2-14 AWG Cu, 2-8 AWG AI	(4) 8-14 AWG Cu, 8-10 AWG AI (8)** 12-14 AWG Cu
JM60060-_MW24		600	35-60	1, 2, 3	(2) 2-14 AWG Cu, 2-8 AWG AI	(4) 8-14 AWG Cu, 8-10 AWG AI (8)** 12-14 AWG Cu
JM60100-_MW14	CVR-J-60100-M CVRI-J-60100-M*	600	70-100	1, 2, 3	(1) 1/0 - 14 AWG Cu/AI	(4) 4-14 AWG Cu, 4-8 AWG AI (8)** 10-14 AWG Cu
JM60200-_MW16	CVR-J-60200-M CVRI-J-60200-M*	600	110-200	1, 2, 3	(1) 250kcmil - 6 AWG Cu/AI	(6) 4 - 14 AWG Cu, 4-8 AWG AI (12)** 10-14 AWG Cu
JM60400-_MW16	CVR-J-60400-M	600	225-400	1, 2, 3	(1) 600kcmil - 4 AWG Cu/AI	(6) 2 - 14 AWG Cu, 2-8 AWG AI (12)** 8-14 AWG Cu, 8 AWG AI
JM60400-_MW26	CVRI-J-60400-M*				(2) 350kcmil - 6 AWG Cu/AI	
Class H(K)						
HM25060-_MW12 [†]	N/A	250	35-60	1, 2, 3	(2) 2-14 AWG Cu, 2-8 AWG AI	(1) 2-14 AWG Cu, 2-8 AWG AI
HM25060-_MW14 [†]	CVR-RH-25060 CVRI-RH-25060*			1, 2, 3	(1) 2-14 AWG Cu, 2-8 AWG AI	(4) 8-14 AWG Cu, 8-10 AWG AI (8)** 12-14 AWG Cu
HM25060-_MW24	N/A			1, 2, 3	(2) 2-14 AWG Cu, 2-8 AWG AI	(4) 8-14 AWG Cu, 8-10 AWG AI (8)** 12-14 AWG Cu
HM60030-_MW14	N/A	600	Up to 30	1, 2, 3	(1) 2-14 AWG Cu, 2-8 AWG AI	(4) 8-14 AWG Cu, 8-10 AWG AI (8)** 12-14 AWG Cu
HM60060-_MW12 [†]		600	35-60	1, 2, 3	(2) 2-14 AWG Cu, 2-8 AWG AI	(1) 2-14 AWG Cu, 2-8 AWG AI
HM60060-_MW14 [†]	CVR-RH-60060 CVRI-RH-60060*			1, 2, 3	(1) 2-14 AWG Cu, 2-8 AWG AI	(4) 8-14 AWG Cu, 8-10 AWG AI (8)** 12-14 AWG Cu
HM60060-_MW24				1, 2, 3	(2) 2-14 AWG Cu, 2-8 AWG AI	(4) 8-14 AWG Cu, 8-10 AWG AI (8)** 12-14 AWG Cu
Class R						
RM25060-_MW12 [†]	N/A	250	35-60	1, 2, 3	(2) 2-14 AWG Cu, 2-8 AWG AI	(1) 2-14 AWG Cu, 2-8 AWG AI
RM25060-_MW14 [†]	CVR-RH-25060 CVRI-RH-25060*			1, 2, 3	(1) 2-14 AWG Cu, 2-8 AWG AI	(4) 8-14 AWG Cu, 8-10 AWG AI (8)** 12-14 AWG Cu
RM25060-_MW24	N/A			1, 2, 3	(2) 2-14 AWG Cu, 2-8 AWG AI	(4) 8-14 AWG Cu, 8-10 AWG AI (8)** 12-14 AWG Cu
RM60030-_MW14	N/A	600	Up to 30	1, 2, 3	(1) 2-14 AWG Cu, 2-8 AWG AI	(4) 8-14 AWG Cu, 8-10 AWG AI (8)** 12-14 AWG Cu
RM60060-_MW12 [†]		600	35-60	1, 2, 3	(2) 2-14 AWG Cu, 2-8 AWG AI	(1) 2-14 AWG Cu, 2-8 AWG AI
RM60060-_MW14 [†]	CVR-RH-60060 CVRI-RH-60060*			1, 2, 3	(1) 2-14 AWG Cu, 2-8 AWG AI	(4) 8-14 AWG Cu, 8-10 AWG AI (8)** 12-14 AWG Cu
RM60060-_MW24				1, 2, 3	(2) 2-14 AWG Cu, 2-8 AWG AI	(4) 8-14 AWG Cu, 8-10 AWG AI (8)** 12-14 AWG Cu

[†] Rated for use with 75°C Cu/AI conductors. Conductors with higher temperature ratings may be used with appropriate derating.

* With open fuse indication.

** Dual wire rated lugs with same wire size and stranding.

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