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

BUSSMANN SERIES

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.

RoHS

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.

EATON

Powering Business Worldwide

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

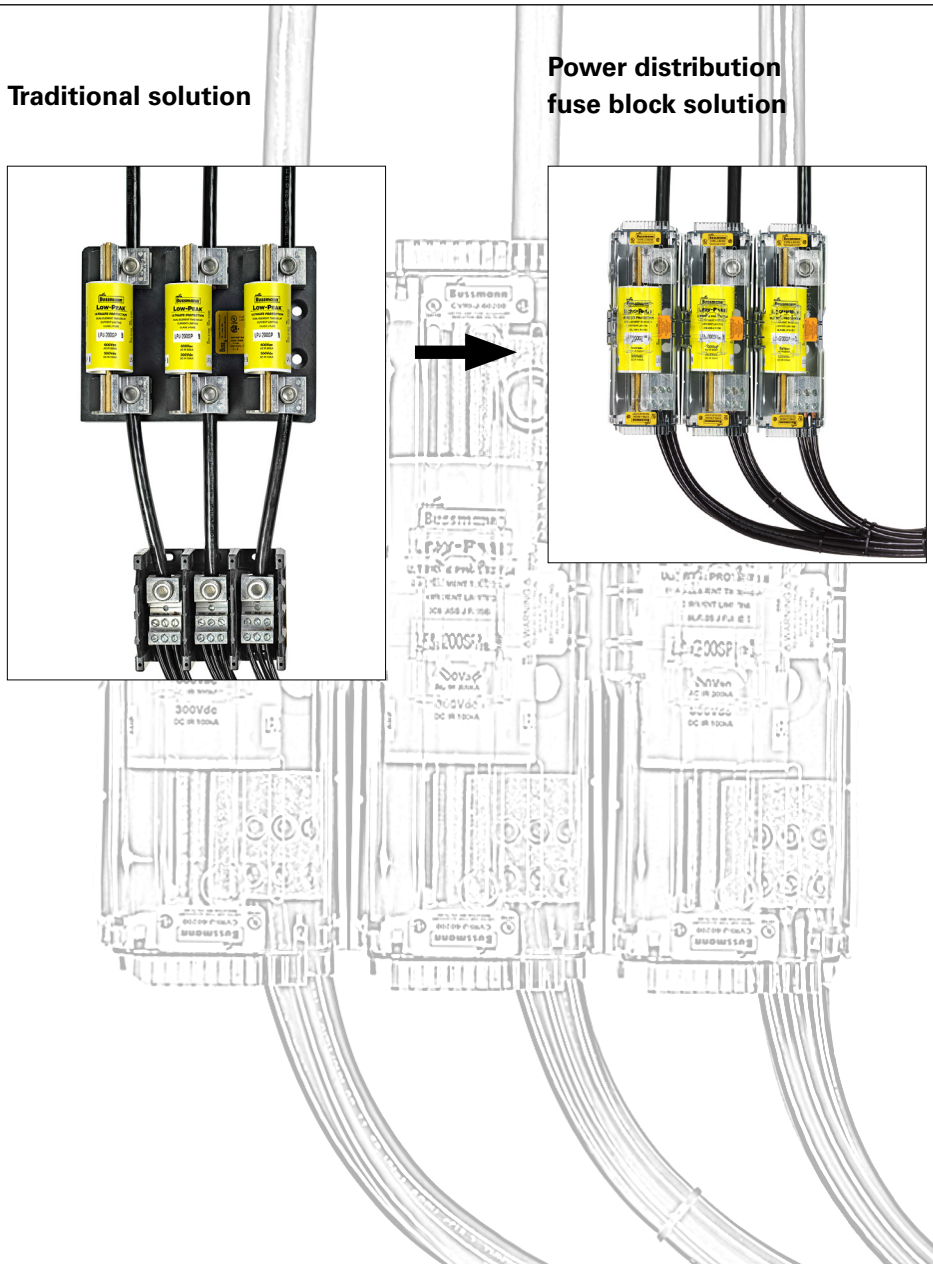
Operating and storage temperature range:
- Blocks
  - -40°C to 120°C
- Covers
  - Non-indicating covers -40°C to 120°C
  - Indicating covers -20°C to 90°C

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.

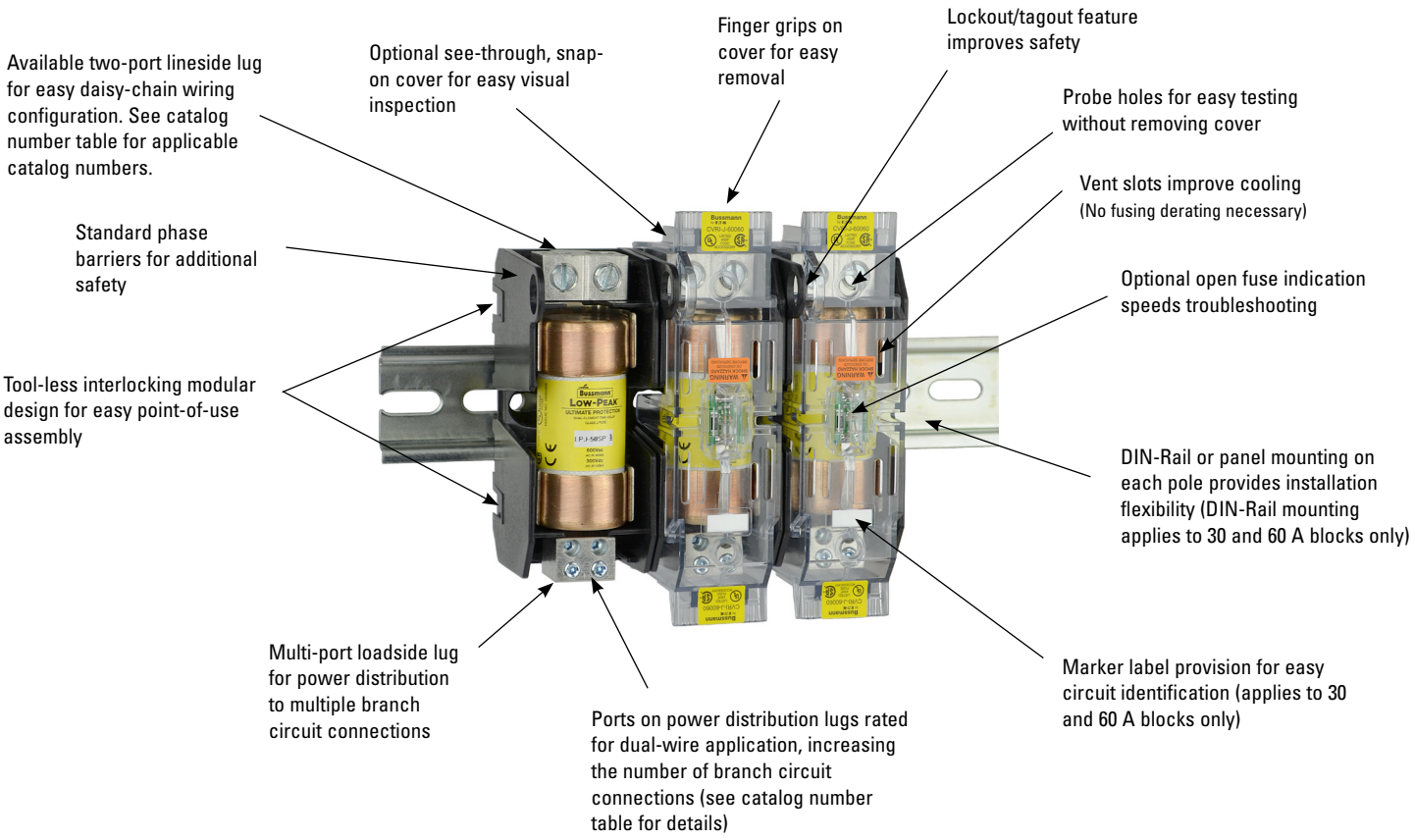
Available fuse class

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



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 Al	(4) 8-14 AWG Cu, 8-10 AWG Al (8)** 12-14 AWG Cu
JM60060-_MW12†	CVR-J-60060 CVRI-J-60060*	600	35-60	1, 2, 3	(2) 2-14 AWG Cu, 2-8 AWG Al	(1) 2-14 AWG Cu, 2-8 AWG Al
JM60060-_MW14†		600	35-60	1, 2, 3	(1) 2-14 AWG Cu, 2-8 AWG Al	(4) 8-14 AWG Cu, 8-10 AWG Al (8)** 12-14 AWG Cu
JM60060-_MW24		600	35-60	1, 2, 3	(2) 2-14 AWG Cu, 2-8 AWG Al	(4) 8-14 AWG Cu, 8-10 AWG Al (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/Al	(4) 4-14 AWG Cu, 4-8 AWG Al (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/Al	(6) 4 - 14 AWG Cu, 4-8 AWG Al (12)** 10-14 AWG Cu
JM60400-_MW16	CVR-J-60400-M CVRI-J-60400-M*	600	225-400	1, 2, 3	(1) 600kcmil - 4 AWG Cu/Al	(6) 2 - 14 AWG Cu, 2-8 AWG Al
JM60400-_MW26					(2) 350kcmil - 6 AWG Cu/Al	(12)** 8-14 AWG Cu, 8 AWG Al
Class H(K)						
HM25060-_MW12†	N/A	250	35-60	1, 2, 3	(2) 2-14 AWG Cu, 2-8 AWG Al	(1) 2-14 AWG Cu, 2-8 AWG Al
HM25060-_MW14†	CVR-RH-25060 CVRI-RH-25060*			1, 2, 3	(1) 2-14 AWG Cu, 2-8 AWG Al	(4) 8-14 AWG Cu, 8-10 AWG Al (8)** 12-14 AWG Cu
HM25060-_MW24	N/A			1, 2, 3	(2) 2-14 AWG Cu, 2-8 AWG Al	(4) 8-14 AWG Cu, 8-10 AWG Al (8)** 12-14 AWG Cu
HM60030-_MW14	N/A	600	Up to 30	1, 2, 3	(1) 2-14 AWG Cu, 2-8 AWG Al	(4) 8-14 AWG Cu, 8-10 AWG Al (8)** 12-14 AWG Cu
HM60060-_MW12†	CVR-RH-60060 CVRI-RH-60060*	600	35-60	1, 2, 3	(2) 2-14 AWG Cu, 2-8 AWG Al	(1) 2-14 AWG Cu, 2-8 AWG Al
HM60060-_MW14†				1, 2, 3	(1) 2-14 AWG Cu, 2-8 AWG Al	(4) 8-14 AWG Cu, 8-10 AWG Al (8)** 12-14 AWG Cu
HM60060-_MW24				1, 2, 3	(2) 2-14 AWG Cu, 2-8 AWG Al	(4) 8-14 AWG Cu, 8-10 AWG Al (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 Al	(1) 2-14 AWG Cu, 2-8 AWG Al
RM25060-_MW14†	CVR-RH-25060 CVRI-RH-25060*			1, 2, 3	(1) 2-14 AWG Cu, 2-8 AWG Al	(4) 8-14 AWG Cu, 8-10 AWG Al (8)** 12-14 AWG Cu
RM25060-_MW24	N/A			1, 2, 3	(2) 2-14 AWG Cu, 2-8 AWG Al	(4) 8-14 AWG Cu, 8-10 AWG Al (8)** 12-14 AWG Cu
RM60030-_MW14	N/A	600	Up to 30	1, 2, 3	(1) 2-14 AWG Cu, 2-8 AWG Al	(4) 8-14 AWG Cu, 8-10 AWG Al (8)** 12-14 AWG Cu
RM60060-_MW12†	CVR-RH-60060 CVRI-RH-60060*	600	35-60	1, 2, 3	(2) 2-14 AWG Cu, 2-8 AWG Al	(1) 2-14 AWG Cu, 2-8 AWG Al
RM60060-_MW14†				1, 2, 3	(1) 2-14 AWG Cu, 2-8 AWG Al	(4) 8-14 AWG Cu, 8-10 AWG Al (8)** 12-14 AWG Cu
RM60060-_MW24				1, 2, 3	(2) 2-14 AWG Cu, 2-8 AWG Al	(4) 8-14 AWG Cu, 8-10 AWG Al (8)** 12-14 AWG Cu

† Rated for use with 75°C Cu/Al 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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