

IEC 700V/100A modular blocks for 22x58 mm fuses

RoHS



Fuses not included.

Catalog symbols:

- JM70100_CR (fuse block)
- JM70100_MW_ (power distribution fuse block)

Description:

Eaton's Bussmann™ series JM70100 products are available for 22x58 mm gG, aM and select high speed fuses as either a fuse block or power distribution fuse block that eliminates the need for a separate power distribution block.

These new blocks have multiple features that increase versatility, reduce labor and enhance safety for any panel or electrical system design.

Rated for applications up to 700 V and 100 amps, their modular design allows for assembly of multiple pole configurations at the point of use. These blocks can also be ordered as factory configured 2- and 3-pole versions.

The versatile 35 mm DIN-rail or panel mount capability allows using the same block for multiple applications and reducing inventory cost.

Optional IP20 finger-safe covers enhance electrical safety with a lockout/tagout feature and can be ordered with or without open fuse indication to speed troubleshooting.

The patented power distribution fuse block configurations simplify your panel layout and require up to 78% less panel space. Additionally, they lower inventory cost while reducing installation time and labor by an average of 36%.

Features and benefits:

- Combination power distribution block and fuse block versions reduce wire connections and total panel components, requiring up to 78% less panel space and reducing installation time and labor by an average of 36%.
- A 200kA withstand rating helps achieve a higher assembly 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 cover enhances safety with IP20 finger-safe protection, lockout/tagout capability and open circuit indication.
- 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 without incurring additional inventory cost.
- Easy circuit identification with available universal labels for blocks and covers.

Specifications:

Fuse class

- IEC 22x58 mm gG, gL, aM and aR and gR high speed fuses

Ratings

- Volts: 700 V
- Amps: up to 100 A
- Withstand: 200kA RMS Sym

Agency information:

- Blocks
 - UL Recognized E14853 – IZLT2
 - CSA Component acceptance 47235 — 6225-01
- Covers UL Listed UL E58836 – JDVS

Poles

- 1-, 2-, 3-pole

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 -40°C to +120°C
 - Indicating -20°C to +90°C

Materials

- Base: Thermoplastic
- Terminals: Tin-plated aluminum

Conductors

- 75°C Cu/Al*

* Conductors with higher temperature rating may be used, but at their 75°C ampacity.

Accessories:

- Optional IP20 finger-safe covers in indicating and non-indicating versions. Order one for each pole.
- Universal marker labels, Bussmann series catalog number TM26CB.

Recommended fuses (order separately)

Description	Amps	Data sheet no.
C22G_ IEC 22x58mm Class gG fuses	up to 100	720115
C22G_ IEC 22x58mm Class aM fuses	up to 100	720115
FWP_ 22x58mm high speed fuses	up to 100*	720026

* Not for use with striker versions and must be applied within the operating temperature range of the block.

Catalog numbers:

Catalog no.	Optional covers	Fuse amp range	Poles	Lineside conductors and torque			Loadside conductors and torque		
				Conductors	Size (AWG)	N·m (lb-in)	Conductors	Size (AWG)	N·m (lb-in)
Fuse block									
JM70100-1CR	CVR-J-60060 CVRI-J-60060*	Up to 100	1	Cu 2-14 Al 2-8	2-3	5.6 (50)	Cu 2-14 Al 2-8	2-3	5.6 (50)
JM70100-2CR			2		4-6	5.1 (45)		4-6	5.1 (45)
JM70100-3CR			3		8	4.5 (40)		8	4.5 (40)
					10-14	4.0 (35)		10-14	4.0 (35)
Power distribution fuse block									
JM70100-1MW12	CVR-J-60060 CVRI-J-60060*	Up to 100	1	Cu 2-14 Al 2-8	2-4	5.6 (50)	Cu 2-14 Al 2-8	2-3	5.6 (50)
JM70100-2MW12			2		6-10	4.5 (40)		4-6	5.1 (45)
JM70100-3MW12			3		12-14	1.7 (15)		8	4.5 (40)
JM70100-1MW14			1	Cu 2-14 Al 2-8	2-3	5.6 (50)	Cu (1) 8-18 Cu (2) 12-18 Al (1) 8 Str Al (1) 10 Sol	Cu (1) 8	3.4 (30)
JM70100-2MW14			2		4-6	5.1 (45)		Cu (1) 10-18	2.8 (25)
JM70100-3MW14			3		8	4.5 (40)		Cu (2) 12-18	3.4 (30)
					10-14	4.0 (35)		Al (1) 8-10	3.4 (30)

* With open fuse indication. 90V minimum and closed circuit required for illumination.

Dimensions - in (mm)

