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

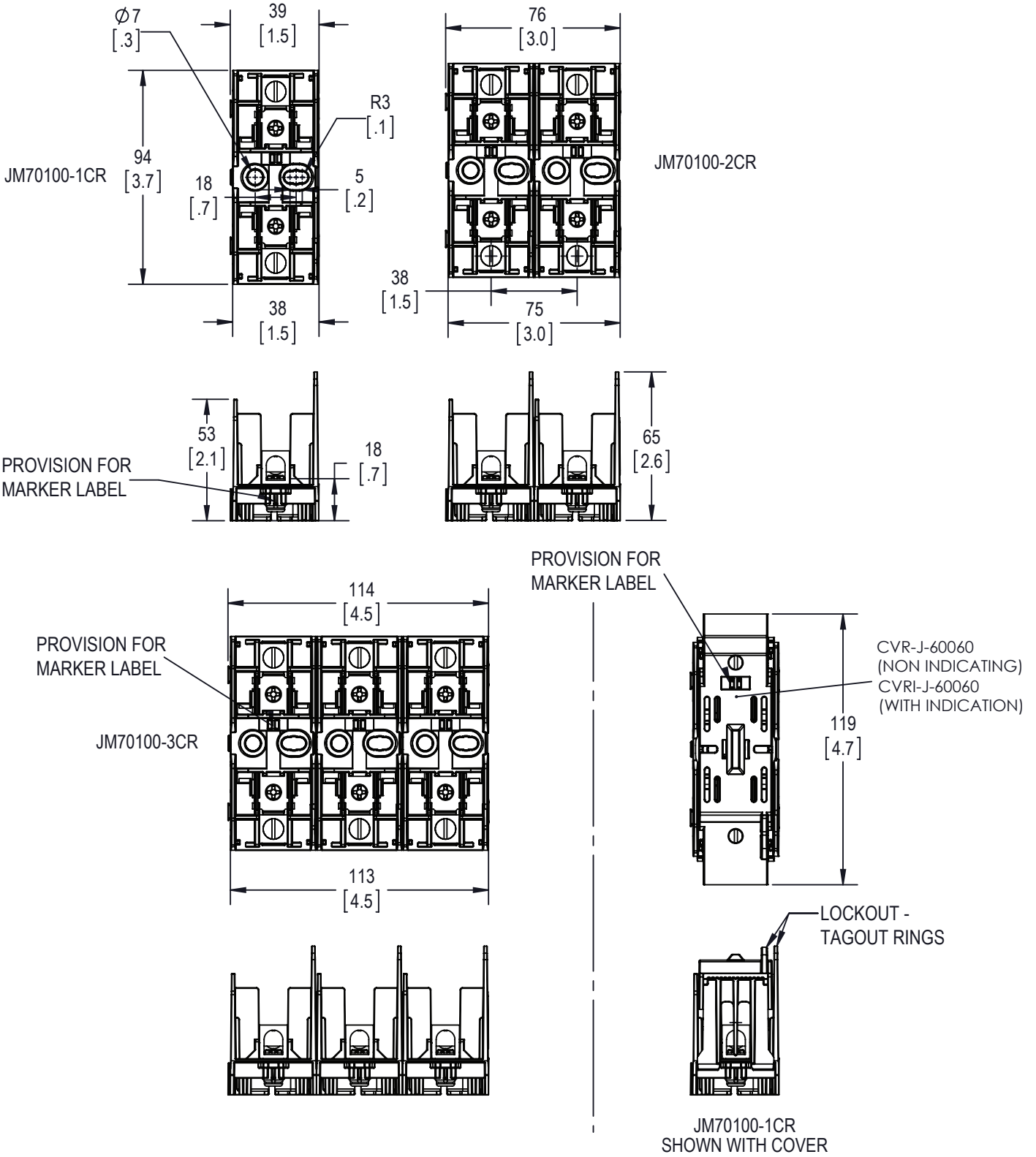
* Not for use with striker versions and must be applied within the operating temperature range of the block.

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)
								10-14	4.0 (35)
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)



The only controlled copy of this data sheet is the electronic read-only version located on the Eaton network drive. All other copies of this document are by definition uncontrolled. This bulletin is intended to clearly present comprehensive product data and provide technical information that will help the end user with design applications. Eaton reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Eaton also reserves the right to change or update, without notice, any technical information contained in this bulletin. Once a product has been selected, it should be tested by the user in all possible applications.

Eaton
1000 Eaton Boulevard
Cleveland, OH 44122
Eaton.com

Bussmann Division
114 Old State Road
Ellisville, MO 63021
United States
Eaton.com/bussmannseries

© 2016 Eaton
All Rights Reserved
Printed in USA
Publication No. 10496
November 2016

Powering Business Worldwide

For Eaton's Bussmann series product information, call **1-855-287-7626** or visit: **Eaton.com/bussmannseries**

Eaton and Bussmann are valuable trademarks of Eaton in the U.S. and other countries. You are not permitted to use the Eaton trademarks without prior written consent of Eaton.

Follow us on social media to get the latest product and support information.

OCEAN CHIPS
Океан Электроники
Поставка электронных компонентов

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «**JONHON**», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «**FORSTAR**».

AVIC JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).

FORSTAR®

Телефон: 8 (812) 309-75-97 (многоканальный)
Факс: 8 (812) 320-03-32
Электронная почта: ocean@oceanchips.ru
Web: http://oceanchips.ru/
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А