

JM modular Class J fuse blocks

Class J modular fuse blocks enhance safety for any panel or electrical system design and are available for the full Class J fuse amp range.

All blocks are available as single-pole versions that snap together at point of use, or as factory configured 2-, and 3-pole versions.

All blocks are equipped with a fuse clip reinforcing spring to minimize temperature rise while maintaining reliable surface contact between the fuse and clip over the block's service life.

Ferrule fuse blocks up to 60 amps have the smallest width dimension on the market and feature DIN-Rail or panel mount versatility. Easy circuit identification is available for 30 and 60 amp blocks and covers with universal marker labels.

Knifeblade fuse blocks from 100 to 600 amps feature phase barriers for additional safety with up to four mounting holes per pole for increased installation flexibility. All knifeblade blocks meet UL creep and clearance requirements for Industrial Power Circuits (UL 508 and UL 845). The 200 to 600 amp blocks also meet the higher UL creep and clearance requirements for Power Distribution Standards (UL 98, UL 67, UL 489, UL 891 and UL 869A)

All blocks have optional IP20 finger-safe high clarity, see-through covers for inspecting wire terminations or thermography measurements without removal. All covers enhance safety by featuring probe holes for easier, safer testing and a lockout/tagout capability. These covers also have optional open fuse indication to speed troubleshooting.



30 and 60 amp blocks are DIN-Rail and panel mount. Optional covers increase safety



100 to 600 amp blocks are panel mount. Optional covers increase safety

Ratings

- Volts 600 V
- Amps up to 600 A
- SCCR 200 kA RMS Sym.

Agency information

- Blocks; UL Listed E14853 — IZLT and IZLT7, CSA Certified 47235-6225-01, CE, RoHS Compliant
- Covers; UL Listed E58836 - JDVS, CSA Certified 47235-6225-01 (30 and 60 A), RoHS Compliant

Poles

- 1-, 2-, 3-pole units factory assembled
- Single-pole units snap together to create desired number of poles

Flammability ratings

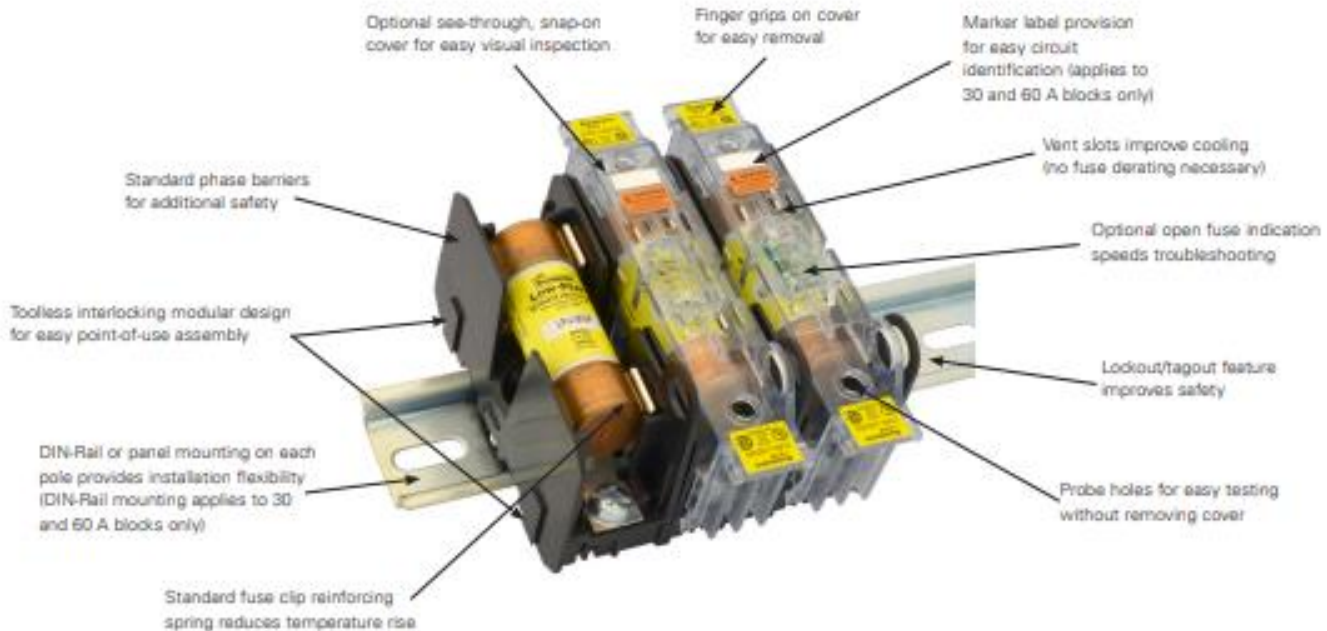
- Blocks: UL 94V0, self-extinguishing
- Covers: UL 94HB, self-extinguishing

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*
- Indication requires minimum 90 V and closed circuit to illuminate.

Conductors

- See catalog numbers for details and torque specifications.



Fuse blocks and holders

30 and 60 amp blocks and covers

Fuse amp range	Poles	Catalog no./terminal type				Optional covers*	
		Box lug/slot screw	Box lug/hex screw	10-32 Phil-slot screw	Pressure plate	Indicating**	Non-indicating
up to 30	1	JM60030-1CR	JM60030-1CHR	JM60030-1SR	JM60030-1PR	CVR-I-J-60030	CVR-J-60030
	2	JM60030-2CR	JM60030-2CHR	JM60030-2SR	JM60030-2PR		
	3	JM60030-3CR	JM60030-3CHR	JM60030-3SR	JM60030-3PR		
35 to 60	1	JM60060-1CR	JM60060-1CHR	—	—	CVR-I-J-60060	CVR-J-60060
	2	JM60060-2CR	JM60060-2CHR	—	—		
	3	JM60060-3CR	JM60060-3CHR	—	—		

* Covers sold separately, one cover per pole.

** Open fuse indication requires 90 volts minimum and closed circuit to operate.

30 and 60 amp block terminals and conductors

Terminal type	AWG type/range	AWG	Torque N-m (lb-in)
Box lug	75°C Cu 2-14, AL 2-8	2-3	5.8 (50)
		4-6	5.1 (45)
		8	4.5 (40)
		10-14	4.0 (35)
10-32 Phil-slot screw	75/90°C Cu 10-18	10-18	2.3 (20)
Pressure plate			

100 to 600 amp knifeblade blocks and covers

Fuse amp range	Poles	Catalog no.	Optional covers*		Conductors***		Torque N-m (lb-in)
			Indicating**	Non-indicating	Solid and stranded	Fine stranded	
70-100	1	JM60100-1CR	CVR-J-60100-M	CVR-I-J-60100-M	—	Cu 1-3 AWG	6.2 (55)
	2	JM60100-2CR			1/0-3 AWG; (2) Cu 4-6 AWG	Cu 4-6 AWG	5.6 (50)
	3	JM60100-3CR			2 4-6 AWG; (2) Cu 8 AWG	Cu 8 AWG	5.1 (45)
110-200	2	JM60200-2CR	CVR-J-60200-M	CVR-I-J-60200-M	8 AWG; (2) Cu 10-14 AWG	—	4.5 (40)
	3	JM60200-3CR			Cu 10-14 AWG; Al 10-12 AWG	—	4.0 (35)
	1	JM60200-1CR			250kcmil-1 AWG	Cu 3/0-1 AWG	42 (375)
225-400	2	JM60400-2CR	CVR-J-60400-M	CVR-I-J-60400-M	2-6 AWG; (2) Cu 2-6 AWG	Cu 2-6 AWG	31 (275)
	3	JM60400-3CR			600kcmil	—	57 (500)
	1	JM60400-1CR			500kcmil-4 AWG	—	51 (450)
	2	JM60400-2CR			—	—	—
	3	JM60400-3CR			—	—	—
	1	JM60400-1MW22			(2) Cu 3/0 - 4 AWG	N/A	57 (500)
450-600	2	JM60400-2MW22	CVR-J-60600	CVR-I-RH-60600	(2) Al 3/0 - 4 AWG	—	34 (300)
	3	JM60400-3MW22			—	—	—
	1	JM60600-1CR			2 (2) 500kcmil-4 AWG	N/A	51 (450)
	2	JM60600-2CR			—	—	—
3	JM60600-3CR	—	—	—			

* Covers sold separately.

** Open fuse indication requires 90 volts minimum and closed circuit to operate.

*** Ratings for copper and aluminum conductors except where otherwise noted.

JM modular Class J power distribution fuse blocks

The patented Class J power distribution fuse blocks use fewer wire connections to reduce watts loss and overall operating temperature of the panel, while simplifying panel layout. Available in ratings up to 400 amps, they use up to 65 percent less panel space while lowering inventory costs, and reducing installation time and labor by an average of 33 percent.

All blocks are equipped with a fuse clip reinforcing spring to minimize temperature rise while maintaining reliable surface contact between the fuse and clip over the block's service life.

Available as snap-together one-pole units for toolless assembly of multiple poles at point of use or factory configured 2- and 3-pole units to meet popular stocking requirements.

The high 200 kA SCCR 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.

30 and 60 amp blocks feature DIN-Rail and panel mount versatility, while 100 to 400 amp blocks are panel mount.

All blocks are available with optional see-through cover to enhance safety with IP20 finger-safe protection, lockout/tagout capability and open circuit indication. See catalog number tables for details.

Ratings

- Volts 600 V
- Amps up to 400 A
- SCCR 200 kA Sym. RMS



30 and 60 amp blocks.



100, 200 and 400 amp blocks.



Agency information

- Blocks; UL Listed, Guide IZLT, File E14853, CSA Certified 47235 — 6225-01
- Covers; UL Listed, Guide JDVS, File E58836
- RoHS compliant

Poles

- 1-, 2-, 3-pole
- Single-pole units snap together to create desired number of poles

Mounting

- 30 and 60 amp blocks DIN-Rail and panel mount
- 100, 200 and 400 amp blocks panel mount only

Flammability ratings

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

Operating and storage temperature range

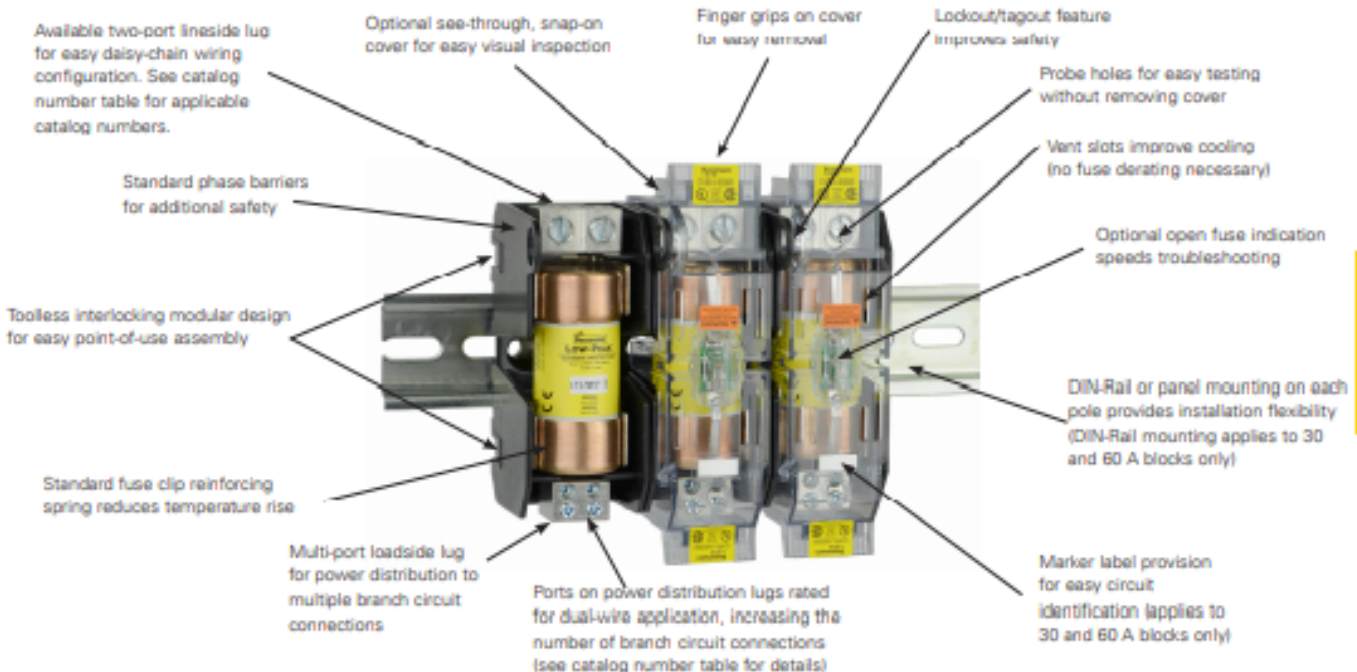
- Blocks, -40°C to +120°C
- Covers; non-indicating -40°C to +120°C, indicating -20°C to +90°C

Conductors

- 75/90°C Cu/Al (unless otherwise noted)

Accessories

- IP20 finger-safe covers in indicating and non-indicating versions. Order one for each pole.
- Universal marker labels for 30 and 60 amp blocks, catalog number TM26CB
- DIN-Rail end stops for blocks rated up to 60 amps, catalog numbers BRKT-ND or BRKT-NDSCRW2



Fuse blocks and holders

Data sheet no. 10192

Catalog no.	Optional covers*	Fuse amp range	Lineside (conductors per port)				Loadside (conductors per port)					
			Poles	Conductors	Ports/pole	Torque AWG	N-m (lb-in)	Conductors	Ports/pole	Torque AWG	N-m (lb-in)	
JM60030-1MW14	N/A	Up to 30	1			2-3	5.6 (50)				Cu (1) 8	3.4 (30)
JM60030-2MW14			2	Cu 2-14 Al 2-8	1	4-6	5.1 (45)	Cu (1) 8-14 Cu (2) 12-14***	4		Cu (1) 10-14	2.8 (25)
JM60030-3MW14			3			8	4.5 (40)	Al (1) 8 Str Al (1) 10 Sol			Cu (2) 12-14	3.4 (30)
JM60060-1MW12†			1			2-4	5.6 (50)				2-3	5.6 (50)
JM60060-2MW12†			2	Cu 2-14 Al 2-0	2	6-10	4.5 (40)	Cu 2-14 Al 2-0	1		4-6	5.1 (45)
JM60060-3MW12†			3			12-14	1.7 (15)			8	4.5 (40)	
JM60060-1MW14†			1			2-3	5.6 (50)				10-14	4.0 (35)
JM60060-2MW14†	CVR-J-60060 CVRI-J-60060**	35 - 60	2	Cu 2-14 Al 2-8	1	4-6	5.1 (45)	Cu (1) 8-14 Cu (2) 12-14***	4		Cu (1) 10-14	2.8 (25)
JM60060-3MW14†			3			8	4.5 (40)	Al (1) 8 Str Al (1) 10 Sol			Cu (2) 12-14	3.4 (30)
JM60060-1MW24			1			2-4	5.6 (50)				Al (1) 8-10	3.4 (30)
JM60060-2MW24			2	Cu 2-14 Al 2-8	2	6-10	4.5 (40)	Cu (1) 8-14 Cu (2) 12-14***	4		Cu (1) 10-14	2.8 (25)
JM60060-3MW24			3			12-14	1.7 (15)	Al (1) 8 Str Al (1) 10 Sol			Cu (2) 12-14	3.4 (30)
JM60100-1MW14			1			1/0-3; Cu (2) 4-6	5.6 (50)				Al (1) 8-10	3.4 (30)
JM60100-2MW14	CVR-J-60100-M CVRI-J-60100-M**	70 - 100	2	Cu 1/0-14 Al 1/0-12	1	4-6; Cu (2) 8	5.0 (45)	Cu (1) 4-14 Al (1) 4-8	4		8	2.8 (25)
JM60100-3MW14			3			8; Cu (2) 10-14	4.5 (40)	Cu (2) 10-14***			Cu 10-14	2.3 (20)
JM60200-1MW16			1			10-14	4.0 (35)				(2) 10-14	3.4 (30)
JM60200-2MW16	CVR-J-60200-M CVRI-J-60200-M**	110-200	2	Cu/Al (1) 250kcmil-6 Cu (2) 2-6	1	250kcmil-1	42 (375)	Cu (1) 4-14 Al (1) 4-8	6		4-6	4.0 (35)
JM60200-3MW16			3			2-6	31 (275)	Cu (7) 10-14***			8	2.8 (25)
JM60400-1MW16			1			600kcmil	57 (500)				10-14	2.3 (20)
JM60400-2MW16			2								(2) 10-14	3.4 (30)
JM60400-3MW16	CVR-J-60400-M CVRI-J-60400-M**	225-400	3	Cu/Al (1) 600kcmil-4 Cu/Al (2) 3/0-4	1	500kcmil-4	51 (450)	Cu (1) 2-14 Al (1) 2-8	6		4-6	5.0 (45)
JM60400-1MW26			1			350kcmil-1	42 (375)	Cu (2) 3/0-4 Al (2) 3/0-4			8	4.5 (40)
JM60400-2MW26			2					Cu (2) 8-14***			(2) 8	4.5 (40)
JM60400-3MW26			3	Cu/Al 350kcmil-6	2	2-6	31 (275)	Al (1) 2-8 Cu (2) 8-14***	6		10-14	4.0 (35)
											(2) 10-14	4.5 (40)

* Order one cover per pole.
 ** With open fuse indication. 90 V minimum and closed circuit required for illumination.
 *** Dual wire rated lugs with same wire size and stranding.
 † Rated for 75°C Cu/Al conductors. Conductors with higher ratings may be used with appropriate derating.