PF

A4J

Fast Acting/Class J

UL/CSA LISTED POWER FUSES

FOR EXCELLENT CURRENT-LIMITING PROTECTION



A4J Class J fuses deliver excellent current-limiting protection to a wide variety of applications. Their unique dimensions prevent the substitution of other fuses with lower voltage ratings, interrupting ratings, or current-limiting capability.

FEATURES/BENEFITS:

- High current limitation for low peak let-thru current
- Unique dimensions prevent replacement by other fuse classes
- Fiberglass body provides dimensional stability in harsh industrial environments
- Easy-to-read imprint label for quick recognition and replacement

RATINGS:

- **Volts:** 600VAC, 300VDC
- **Amps:** 1 to 600A
- **IR:** 200kA I.R. AC, 100kA I.R. DC

HIGHLIGHTS:

- Fast-acting
- Very current-limiting
- DC ratings

APPLICATIONS:

- Capacitors
- Load centers
- Panelboards
- Switchboards
- Bus duct
- Feeder circuits
- Circuit breakers
- Lighting, heating, and general loads

APPROVALS:

- UL listed to standard 248-8 File E2137
- CSA certified to standard C22.2 no. 248.8
- DC listed to UL 248
- IEC 269-2-1

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CATALOG NUMBERS (AMPS)

A4J1	A4J35	A4J90	A4J250
A4J3	A4J40	A4J100	A4J300
A4J6	A4J45	A4J110	A4J350
A4J10	A4J50	A4J125	A4J400
A4J15	A4J60	A4J150	A4J450
A4J20	A4J70	A4J175	A4J500
A4J25	A4J75	A4J200	A4J600
A4J30	A4J80	A4J225	

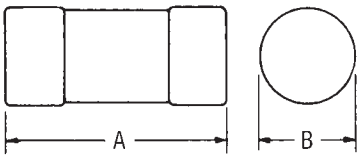
RECOMMENDED FUSE BLOCKS WITH BOX CONNECTORS FOR AMP-TRAP® CLASS J FUSES

Fuse Ampere Rating	Catalog Number 600V or Less	
	1-Pole	3-Pole
0-30	US3J1I	US3J3I
31-60	US6J1I	US6J3I
61-100	61036J	61038J
101-200	62001J	62003J
201-400	64031J	64033J
401-600	6631J	

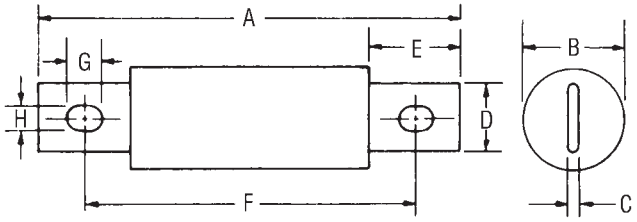
A variety of pole configurations and termination provisions are available. Refer to Section FB for details.

DIMENSIONS

Ampere Rating	A		B		C		D		E		F		G		H	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
1-30	2-1/4	57	13/16	21	-	-	-	-	-	-	-	-	-	-	-	-
31-60	2-3/8	60	1-1/16	27	-	-	-	-	-	-	-	-	-	-	-	-
61-100	4-4/8	117	1-1/8	29	1/8	3.2	3/4	19	1	25	3-5/8	92	3/8	10	9/32	7
101-200	5-3/4	146	1-5/8	41	3/16	4.8	1-1/8	29	1-3/8	35	4-3/8	111	3/8	10	9/32	7
201-400	7-1/8	181	2-1/8	54	1/4	6.3	1-5/8	41	1-7/8	48	5-1/4	133	17/32	13	13/32	10
401-600	8	203	2-1/2	64	3/8	9.5	2	51	2-1/8	54	6	152	11/16	18	17/32	13



1-60A



61-600A

Class J

600 Volt Fuse Blocks

FUSE BLOCKS & HOLDERS

MERSEN CLASS J FUSE BLOCKS ACCOMMODATE ALL CLASS J FUSES





FB

A choice of screw, pressure plate, box and special order stud connectors fit a wide range of stranded or solid copper or aluminum conductors. Insulators are either molded glass-filled polycarbonate (GFPC) or phenolic with verified dielectric strength in excess of 2500V. 30A, 60A and the new 100A SJ fuse blocks feature a unique adder block configuration which can be snapped onto 1-, 2-, or 3-pole blocks to form multi-pole segmented blocks of as many poles as desired. All fuse clips are made of high conductivity tin-plated copper, with a choice of spring-reinforced or non-spring reinforced clips. Space saving options are now available in the 30A and 100A configurations which are noted in the product selection tables.

CLIP & CONNECTOR TYPES:

30A & 60A Clips	Connectors	Connectors	Connectors	Connectors
Spring Reinforced 	Non-spring Reinforced 30A & 60A Box 	Spring Reinforced 30A & 60A Box 	Spring Reinforced 100A Box 	Spring Reinforced 400A Box Side Clip 
Non-spring Reinforced 	Non-spring Reinforced 30A Screw 	Spring Reinforced 30A Screw 	Spring Reinforced 100A Box Side Clip 	Spring Reinforced 400A Box In-line Clip 
	Non-spring Reinforced 30A Pressure Plate 	Spring Reinforced 30A Pressure Plate 	Spring Reinforced 200A Box Side Clip 	Spring Reinforced 600A Box In-line Clip 

RATINGS:

- **Volts:** 600VAC/DC
- **Amps:** 30A, 60A, 100A; 200A, 400A, 600A
- **SCCR:** 200kA

RECOMMENDED FUSE USAGE:

- Class J Blocks (600V) use with AJT, A4J, HSJ

APPROVALS:

- All class J fuse blocks meet the requirements of UL4248 (formerly UL512)
- UL listed Guide IZLT, File E52283
- CSA certified class 6225, File 32169

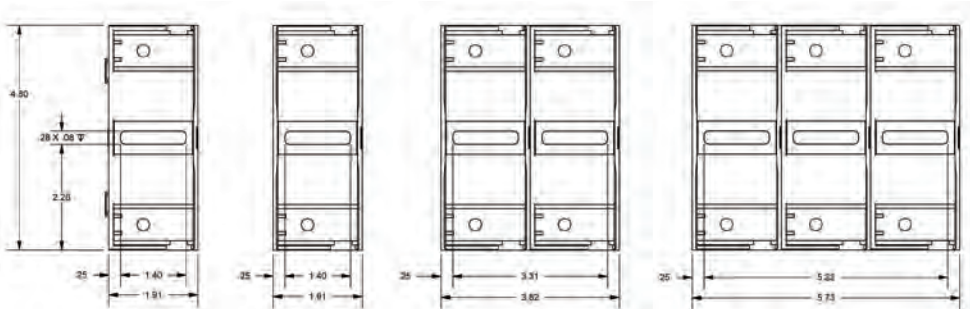
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600 VOLT, 100 AMPERE CLASS J FUSE BLOCKS

Ampere Rating	Poles	Connectors		Catalog Number	Connector Torque In - lb
		Type	Wire Range	Spring Reinforced	
100 GFCP Insulator	Adder 1 2 3	Box Side Clip	Al/Cu 2/0-#6	61005SJ 61006SJ 61007SJ 61008SJ	100 (Al) 60 (Cu)
	1 2 3	Box	Al/Cu 2/0-#6	61036J 61037J 61038J	120
	1 2 3	Box	Cu* 2/0-#12	61006J 61007J 61008J	50

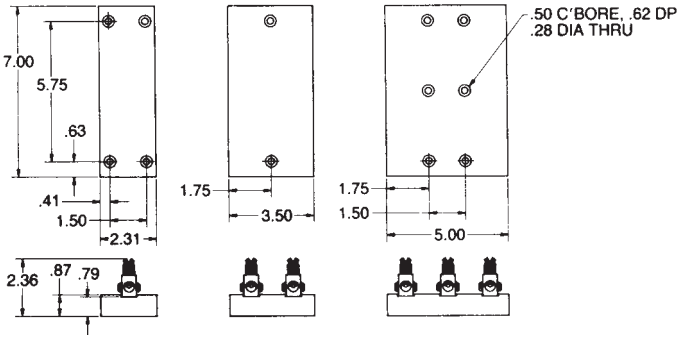
DIMENSIONS FOR 100A SPACE SAVING "SJ" STYLE FUSE BLOCKS



Adder 1-Pole 2-Pole 3-Pole

FB

DIMENSIONS FOR 100A STANDARD CLASS J STYLE FUSE BLOCKS



1-Pole 2-Pole 3-Pole