HSJ High Speed/Class J

Protect your wiring and power semiconductors with a single fuse

The High Speed J (HSJ) fuse combines the low I^2t of a semiconductor fuse and the branch circuit performance of a Class J UL listed fuse. This fuse was designed for the starting characteristics of solid state motor controllers. The HSJ can provide branch circuit protection per NEC requirements, as well as very low I^2t for protection of power semiconductors such as Diodes, SCR's, GTO's and SSR's.

Features/Benefits:

- Optimized over-load capability for withstanding elevated levels of current during electronic motor controller starts
- Low I^2t (low thermal energy)
- Excellent cycling ability for frequent starts/stops without nuisance opening

Highlights:

- Current-limiting
- AC & DC ratings
- Low I^2t
- Compact size

Applications:

- Branch circuits
- Control panels
- Electronic motor controllers
- Phase controllers
- Drives
- Soft-starters
- Solid state relays

Ratings:

Volts : 600VAC
: 500VDC
Amps : 1 to 600A (AC)
: 15 to 600A (DC)
IR : 200kA I.R. AC
: 100kA I.R. DC
: L/R =10mS or less
(Self Certified for 600VAC, 300kA I.R., UL witnessed.)

Approvals:

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

HSJ High Speed/Class J

Catalog Numbers (amps)

HSJ1	HSJ90
HSJ3	HSJ100
HSJ6	HSJ110
HSJ10	HSJ125
HSJ15	HSJ150
HSJ17-1/2	HSJ175
HSJ20	HSJ200
HSJ25	HSJ225
HSJ30	HSJ250
HSJ35	HSJ300
HSJ40	HSJ350
HSJ45	HSJ400
HSJ50	HSJ450
HSJ60	HSJ500
HSJ70	HSJ600
HSJ80	

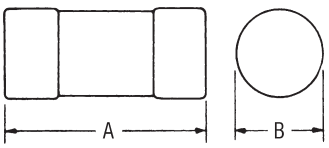
Recommended Fuse Blocks With Box Connectors for Amp-Trap® Class J Fuses

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	6633J

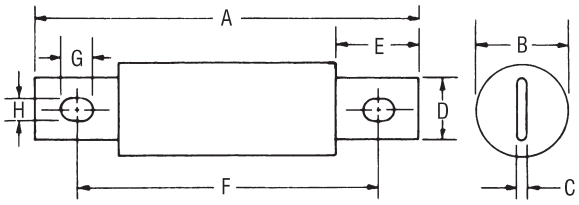
A variety of pole configurations and termination provisions are available. Refer to Section H for details.

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



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