HSJ High Speed/Class J

Protect your wiring and power semiconductors with a single fuse

The High Speed J (HSJ) fuse combines the low I2t 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 12t 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 I²t (low thermal energy)
- Excellent cycling ability for frequent starts/stops without nuisance opening

Highlights:

- Current-limiting
- AC & DC ratings
- Low I²t
- · 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
- 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	Catalog Number 600V or Less							
Rating	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	Α		В		С		D		E		F		G		н	
	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





