

HSJ

600VAC, 1-600A/500VDC , 15-600A

The High Speed J (HSJ) fuse combines the low I²t of a semiconductor fuse and the branch circuit performance of a Class J 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 I²t for protection of power semiconductors.

FEATURES/BENEFITS:

- Optimized over-load capability to withstand elevated levels of current during electronic motor controller starts
- Low I²t (thermal energy)
- Excellent cycling ability for frequent starts/stops without nuisance opening
- Mersen certified for 600VAC, 300kA IR

RATINGS:

- **AC:** 15-600V, 600VAC, 200kA IR
- **DC:** 15-600A, 500VDC, 100kA IR, L/R ≤ 10ms
15-600A, 950VDC*

*Contact Tech Services for details

RELATED PRODUCTS:

Current Rating I _n [A]	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

See Fusegear section for product details.



APPLICATIONS:

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

APPROVALS:

- UL Listed
File E2137
- AC: 15-600A, 600VAC
- DC: 15-600A, 500VDC
15-600A, 950VDC*
- CSA certified to standard
C22.2 no. 248.8



DIMENSIONS:

Ampere Rating	Dimen. Fig.	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	1	2-1/4	57	13/16	21	-	-	-	-	-	-	-	-	-	-	-	-
31-60	1	2-3/8	60	1-1/16	27	-	-	-	-	-	-	-	-	-	-	-	-
61-100	2	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	2	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	2	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	2	8	203	2-1/2	64	3/8	9.5	2	51	2-1/8	54	6	152	11/16	18	17/32	13

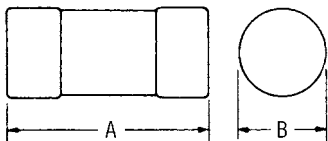


Figure 1: 1-60A

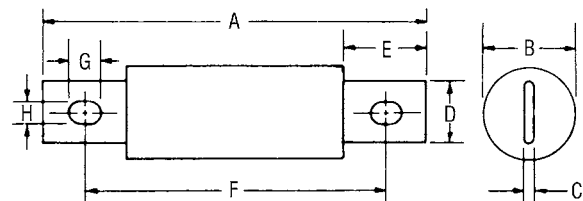


Figure 2: 61-600A