

## JKS — 600Vac, 70-600A, Fast-Acting Fuses



**Description:** Advanced protection Class J current-limiting, fast-acting fuses.

**Catalog Symbol:** JKS-(amp)

**Ratings:**

Volts — 600Vac

Amps — 70-600

IR — 200kA Vac RMS Sym.

**Agency Information:**

CE, UL Listed Class J (Guide # JDDZ, File # E4273)

CSA HRCI-J (Class 1422-02, File # 53787)

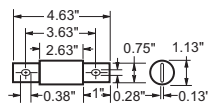
**Catalog Numbers (amps)**

|         |         |         |         |
|---------|---------|---------|---------|
| JKS-70  | JKS-125 | JKS-250 | JKS-500 |
| JKS-80  | JKS-150 | JKS-300 | JKS-600 |
| JKS-90  | JKS-175 | JKS-350 |         |
| JKS-100 | JKS-200 | JKS-400 |         |
| JKS-110 | JKS-225 | JKS-450 |         |

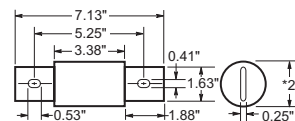
**Carton Quantity:**

| Amp Rating | Carton Qty. |
|------------|-------------|
| 70-100     | 5           |
| 110-600    | 1           |

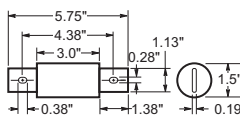
**Dimensions - in**



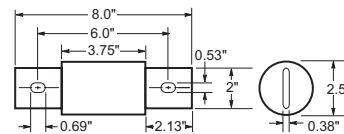
65 to 100A



225 to 400A



110 to 200A



450 to 600A

**Features:**

- Provides 10X better current limitation to help prevent equipment damage caused by short-circuit events.
- 200kA Interrupting rating complies with NEC® Section 110.9 for today's large capacity systems.
- Fast-acting fuse helps prevent equipment damage caused by short-circuit events.
- Ideal for critical industrial or commercial applications that have specific current limitation requirements.

**Recommended Fuse Blocks**

| Fuse Amps | 1-Pole      | 2-Pole      | 3-Pole      |
|-----------|-------------|-------------|-------------|
| 70-100    | JM60100-1CR | JM60100-2CR | JM60100-3CR |
| 110-200   | JM60200-1CR | JM60200-2CR | JM60200-3CR |
| 225-400   | JM60400-1CR | JM60400-2CR | JM60400-3CR |
| 450-600   | JM60600-1CR | JM60600-2CR | JM60100-3CR |

For additional information on the JM Series of fuse blocks, see product brochure # 3192.

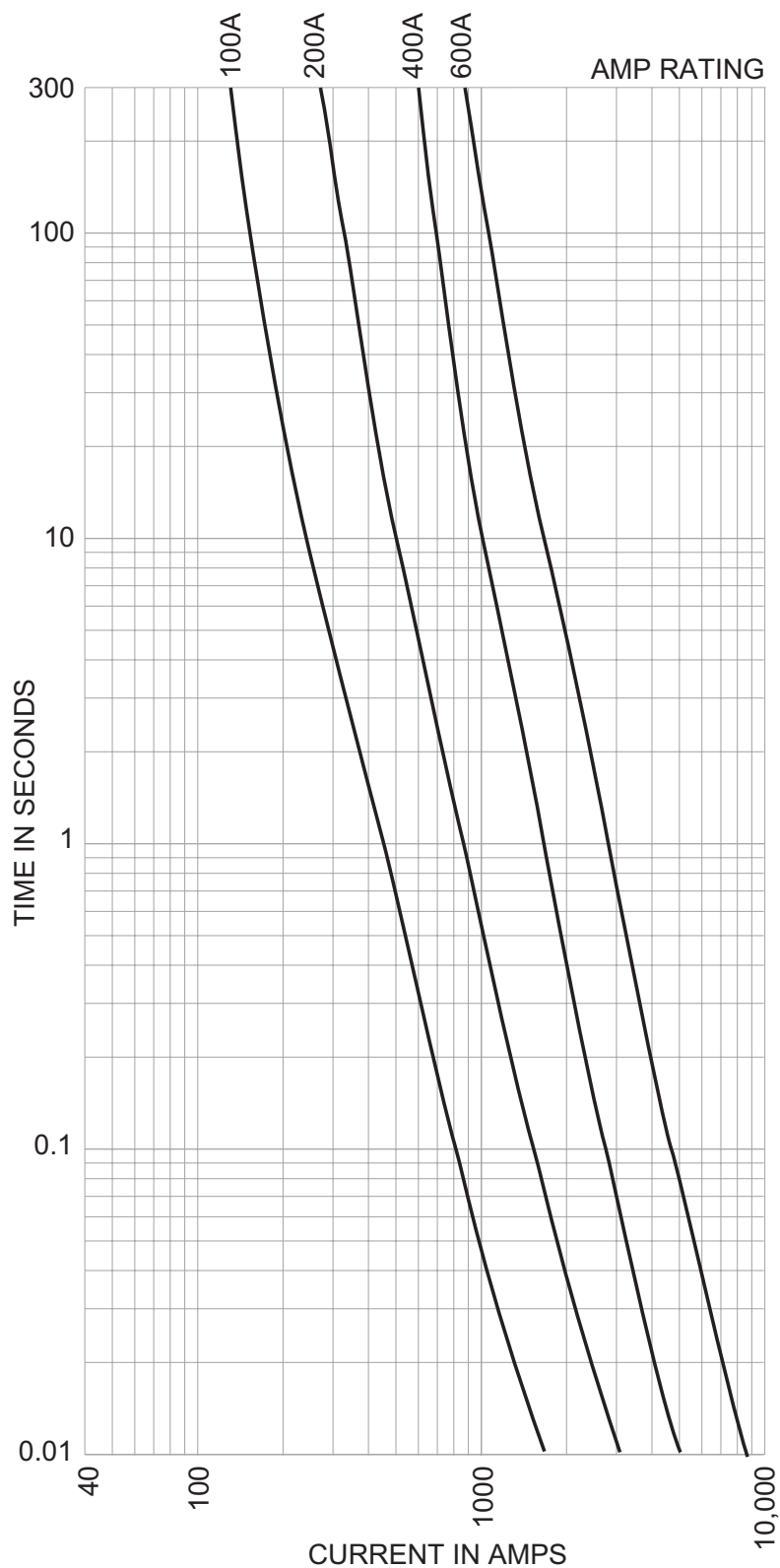
**Fuse Reducers For Class J Fuses**

| Equipment<br>Fuse Clips | Desired Fuse<br>(Case) Size | Catalog Numbers<br>(Pairs) |
|-------------------------|-----------------------------|----------------------------|
| 60A                     | 30A                         | J-63                       |
| 100A                    | 30A                         | J-13                       |
|                         | 60A                         | J-16                       |
| 200A                    | 60A                         | J-26†                      |

† Not for bolt-in applications.

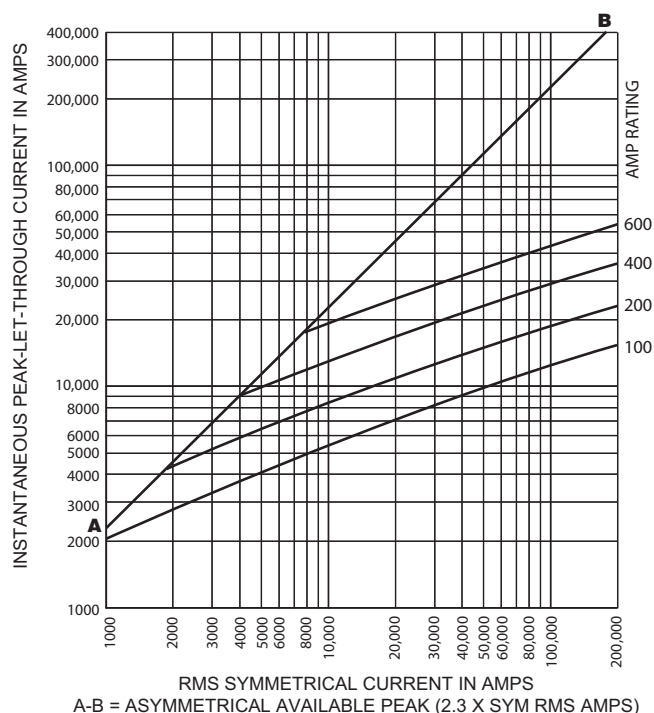
## JKS — 600Vac, 70-600A, Fast-Acting Fuses

### Time-Current Curves - Average Melt



## JKS — 600Vac, 70-600A, Fast-Acting Fuses

### Current-Limitation Curves



### Current-Limiting Effects

| Prosp.<br>S.C.C. | Let-Through Current<br>(Apparent RMS Symmetrical Vs. Fuse Rating) |        |        |        |
|------------------|-------------------------------------------------------------------|--------|--------|--------|
| —                | 100A                                                              | 200A   | 400A   | 600A   |
| 5000             | 2000                                                              | 3000   | 4000   | 5000   |
| 10,000           | 3000                                                              | 4000   | 6000   | 9000   |
| 15,000           | 3000                                                              | 4000   | 7000   | 10,000 |
| 20,000           | 3000                                                              | 5000   | 8000   | 11,000 |
| 25,000           | 3000                                                              | 6000   | 9000   | 12,000 |
| 30,000           | 3000                                                              | 6000   | 9000   | 13,000 |
| 35,000           | 4000                                                              | 6000   | 9000   | 13,000 |
| 40,000           | 4000                                                              | 7000   | 10,000 | 14,000 |
| 50,000           | 4000                                                              | 7000   | 10,000 | 15,000 |
| 60,000           | 5000                                                              | 7000   | 11,000 | 16,000 |
| 70,000           | 5000                                                              | 8000   | 11,000 | 17,000 |
| 80,000           | 5000                                                              | 8000   | 12,000 | 17,000 |
| 90,000           | 6000                                                              | 9000   | 13,000 | 18,000 |
| 100,000          | 6000                                                              | 9000   | 13,000 | 18,000 |
| 150,000          | 6000                                                              | 9000   | 14,000 | 22,000 |
| 200,000          | 7000                                                              | 10,000 | 16,000 | 24,000 |

The only controlled copy of this Data Sheet is the electronic read-only version located on the Bussmann Network Drive. All other copies of this document are by definition uncontrolled. This bulletin is intended to clearly present comprehensive product data and provide technical information that will help the end user with design applications. Bussmann reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Bussmann also reserves the right to change or update, without notice, any technical information contained in this bulletin. Once a product has been selected, it should be tested by the user in all possible applications.