

# E-Rated Fuses Medium Voltage Medium Voltage. For Potential & Small Power Transformers

JCD, JCW, JCE  
JCQ, JCI, & JCT



- Low amperage, E-Rated medium voltage fuses are general purpose current limiting fuses.
- The E rating defines the melting-time-current characteristic of the fuse and permits electrical interchangeability of fuses with the same E Rating.
- For a general purpose fuse to have an E Rating the following condition must be met:  
The current responsive element shall melt in 300 seconds at a rms current within the range of 200% to 240% of the continuous current rating of the fuse, fuse refill, or link. (For fuses rated 100E or less)(ANSI C37.46).
- Bussmann low amperage, E-Rated fuses are designed to provide primary protection for potential, small service, and control transformers.
- These fuses offer a high level of fault current interruption in a self-contained non-venting package which can be mounted indoors or in an enclosure.

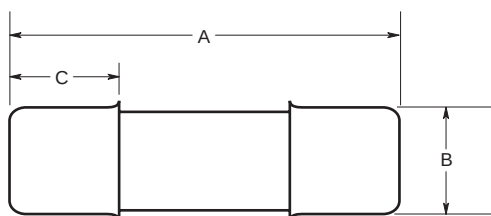
CATALOG SYMBOL: JCD, JCW, JCE, JCQ, JCI, AND JCT  
E-RATED  
CURRENT LIMITING  
INDICATING/NON-INDICATING  
PLATED FERRULES  
VOLTAGE RATINGS (Max. Design): 2475, 2750, 5500, 8300,  
15,500 VOLT  
CURRENT RATINGS: 1/4E THRU 10E  
NO AGENCY LISTINGS

# E-Rated Fuses

## For Potential & Small Power Trans. Medium Voltage

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### Dimensional Data



### Specifications

| Buss<br>Catalog No.                      | Amperage | Maximum<br>Design Voltage | Dimensions (Inches) |      |       | Construction | Maximum Interrupting Capacity |             |
|------------------------------------------|----------|---------------------------|---------------------|------|-------|--------------|-------------------------------|-------------|
|                                          |          |                           | A                   | B    | C     |              | Amps (Asym.)                  | Amps (Sym.) |
| 2475V; E-Rated Fuse; Non-Indicating      |          |                           |                     |      |       |              |                               |             |
| JCD-1/4E                                 | .25E     | 2475V                     | 4.5                 | 0.75 | 0.63  | Single       | 100,000                       | 63,000      |
| JCD-1/2E                                 | .50E     | 2475V                     | 4.5                 | 0.75 | 0.63  | Single       | 100,000                       | 63,000      |
| JCD-1E                                   | 1.0E     | 2475V                     | 4.5                 | 0.75 | 0.63  | Single       | 60,000                        | 40,000      |
| JCD-2E                                   | 2.0E     | 2475V                     | 4.5                 | 0.75 | 0.63  | Single       | 60,000                        | 40,000      |
| JCD-5E                                   | 5.0E     | 2475V                     | 4.5                 | 0.75 | 0.63  | Single       | 40,000                        | 25,000      |
| 2450/5500V; E-Rated Fuse; Non-Indicating |          |                           |                     |      |       |              |                               |             |
| JCW-1/2E                                 | .5E      | 2750V/5500V               | 7.31                | 1.56 | 1.38  | Single       | 60,000                        | 40,000      |
| JCW-1E                                   | 1E       | 2750V/5500V               | 7.31                | 1.56 | 1.38  | Single       | 60,000                        | 40,000      |
| JCW-2E                                   | 2E       | 2750V/5500V               | 7.31                | 1.56 | 1.38  | Single       | 60,000                        | 40,000      |
| JCW-3E                                   | 3E       | 2750V/5500V               | 7.31                | 1.56 | 1.38  | Single       | 60,000                        | 40,000      |
| JCW-4E                                   | 4E       | 2750V/5500V               | 7.31                | 1.56 | 1.38  | Single       | 60,000                        | 40,000      |
| JCW-5E                                   | 5E       | 2750V/5500V               | 7.31                | 1.56 | 1.38  | Single       | 60,000                        | 40,000      |
| 5500V; E-Rated Fuse; Non-Indicating      |          |                           |                     |      |       |              |                               |             |
| JCE-1/4E                                 | .25E     | 5500V                     | 5.63                | 0.75 | 0.63  | Single       | 100,000                       | 63,000      |
| JCE-1/2E                                 | .50E     | 5500V                     | 5.63                | 0.75 | 0.63  | Single       | 100,000                       | 63,000      |
| JCE-2E                                   | 2.0E     | 5500V                     | 5.63                | 0.75 | 0.63  | Single       | 60,000                        | 40,000      |
| JCE-4E                                   | 4.0E     | 5500V                     | 5.63                | 0.75 | 0.63  | Single       | 60,000                        | 40,000      |
| 5500V; E-Rated Fuse; Indicating          |          |                           |                     |      |       |              |                               |             |
| JCQ-1/2E                                 | .5E      | 5500V                     | 9.5                 | 1.56 | 1.125 | Single       | 130,000                       | 80,000      |
| JCQ-1E                                   | 1.0E     | 5500V                     | 9.5                 | 1.56 | 1.125 | Single       | 130,000                       | 80,000      |
| JCQ-1-1/2E                               | 1.5E     | 5500V                     | 9.5                 | 1.56 | 1.125 | Single       | 130,000                       | 80,000      |
| JCQ-3E                                   | 3.0E     | 5500V                     | 12.88               | 1.56 | 1.125 | Single       | 130,000                       | 80,000      |
| JCQ-5E                                   | 5.0E     | 5500V                     | 12.88               | 1.56 | 1.125 | Single       | 130,000                       | 80,000      |
| JCQ-10E                                  | 10.0E    | 5500V                     | 12.88               | 1.56 | 1.125 | Single       | 130,000                       | 80,000      |
| 8300V; E-Rated Fuse; Indicating          |          |                           |                     |      |       |              |                               |             |
| JCI-1/2E                                 | .50E     | 8300V                     | 9.5                 | 1.56 | 1.125 | Single       | 130,000                       | 80,000      |
| JCI-3E                                   | 3.0E     | 8300V                     | 12.88               | 1.56 | 1.125 | Single       | 130,000                       | 80,000      |
| JCI-5E                                   | 5.0E     | 8300V                     | 12.88               | 1.56 | 1.125 | Single       | 80,000                        | 50,000      |
| JCI-10E                                  | 10.0E    | 8300V                     | 12.88               | 1.56 | 1.125 | Single       | 80,000                        | 50,000      |
| 15,500V; E-Rated Fuse; Indicating        |          |                           |                     |      |       |              |                               |             |
| JCT-1/2E                                 | .5E      | 15500V                    | 12.94               | 1.56 | 1.125 | Single       | 130,000                       | 80,000      |
| JCT-1E                                   | 1.0E     | 15500V                    | 12.94               | 1.56 | 1.125 | Single       | 130,000                       | 80,000      |
| JCT-1-1/2E                               | 1.5E     | 15500V                    | 12.94               | 1.56 | 1.125 | Single       | 130,000                       | 80,000      |
| JCT-3E                                   | 3.0E     | 15500V                    | 17.5                | 1.56 | 1.125 | Single       | 130,000                       | 80,000      |
| JCT-5E                                   | 5.0E     | 15500V                    | 17.5                | 1.56 | 1.125 | Single       | 130,000                       | 80,000      |
| JCT-10E                                  | 10.0E    | 15500V                    | 17.5                | 1.56 | 1.125 | Single       | 80,000                        | 50,000      |

Fuse clip for 1.56" Diameter Fuses - 1A0835

Fuse clip for 0.75" Diameter Fuses - 1A1837

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