

## E-rated fuses for potential & small power transformers

### JCD, JCW, JCE, JCQ, JCI & JCT

#### Specifications

**Description:** Indicating and non-indicating E-rated medium voltage, current-limiting fuses for potential & small power transformers.

**Dimensions:** See Catalog Numbers table.

**Construction:** plated ferrules.

#### Ratings:

Volts: — 2.4-15.5kV (See Catalog Numbers table for details)

Amps: — 1/2-10A



IR: — 25-80kA Sym

— 40-130kA ASYM

— See Catalog Numbers table for details

#### Features and Benefits

- Sized for retrofitting in existing hardware
- Space saving size

#### Typical Applications

- Primary protection of medium voltage potential transformers
- Primary protection of small medium voltage service transformers
- Primary protection of small medium voltage control transformers

#### Catalog Numbers

| Catalog Numbers                            | Amp Rating | Maximum Design Voltage | Construction | Maximum Interrupting Capacity |             | Dimensions - in (mm) |              |
|--------------------------------------------|------------|------------------------|--------------|-------------------------------|-------------|----------------------|--------------|
|                                            |            |                        |              | Amps (Asym.)                  | Amps (Sym.) | Length               | Diameter     |
| <b>2400V; E-Rated Fuse; Non-Indicating</b> |            |                        |              |                               |             |                      |              |
| JCD-1/2E                                   | 0.5        | 2750                   | Single       | 100,000                       | 63,000      | 4.50 (114)           | 0.80 (20.32) |
| JCD-1E                                     | 1          | 2750                   | Single       | 63,000                        | 40,000      | 4.50 (114)           | 0.80 (20.32) |
| JCD-2E                                     | 2          | 2750                   | Single       | 63,000                        | 40,000      | 4.50 (114)           | 0.80 (20.32) |
| JCD-5E                                     | 5          | 2750                   | Single       | 40,000                        | 25,000      | 4.50 (114)           | 0.80 (20.32) |

#### 2450/5500V; E-Rated Fuse; Non-Indicating

|          |     |           |        |        |        |                |               |
|----------|-----|-----------|--------|--------|--------|----------------|---------------|
| JCW-1/2E | 0.5 | 2750/5500 | Single | 60,000 | 40,000 | 7.312 (185.72) | 1.563 (39.70) |
| JCW-1E   | 1   | 2750/5500 | Single | 60,000 | 40,000 | 7.312 (185.72) | 1.563 (39.70) |
| JCW-2E   | 2   | 2750/5500 | Single | 60,000 | 40,000 | 7.312 (185.72) | 1.563 (39.70) |
| JCW-3E   | 3   | 2750/5500 | Single | 60,000 | 40,000 | 7.312 (185.72) | 1.563 (39.70) |
| JCW-4E   | 4   | 2750/5500 | Single | 60,000 | 40,000 | 7.312 (185.72) | 1.563 (39.70) |
| JCW-5E   | 5   | 2750/5500 | Single | 60,000 | 40,000 | 7.312 (185.72) | 1.563 (39.70) |

#### 5500V; E-Rated Fuse; Non-Indicating

|          |     |      |        |        |        |                |              |
|----------|-----|------|--------|--------|--------|----------------|--------------|
| JCE-1/2E | 0.5 | 5500 | Single | 60,000 | 50,000 | 5.625 (142.88) | 0.81 (20.32) |
| JCE-1E   | 1   | 5500 | Single | 60,000 | 50,000 | 5.625 (142.88) | 0.81 (20.32) |
| JCE-2E   | 2   | 5500 | Single | 60,000 | 50,000 | 5.625 (142.88) | 0.81 (20.32) |
| JCE-3E   | 3   | 5500 | Single | 60,000 | 50,000 | 5.625 (142.88) | 0.81 (20.32) |
| JCE-4E   | 4   | 5500 | Single | 60,000 | 50,000 | 5.625 (142.88) | 0.81 (20.32) |
| JCE-5E   | 5   | 5500 | Single | 60,000 | 50,000 | 5.625 (142.88) | 0.81 (20.32) |

#### 5500V; E-Rated Fuse; Indicating

|            |     |      |        |         |        |               |             |
|------------|-----|------|--------|---------|--------|---------------|-------------|
| JCQ-1/2E   | 0.5 | 5500 | Single | 130,000 | 80,000 | 9.5 (241.3)   | 1.6 (40.64) |
| JCQ-1E     | 1   | 5500 | Single | 130,000 | 80,000 | 9.5 (241.3)   | 1.6 (40.64) |
| JCQ-1 1/2E | 1.5 | 5500 | Single | 130,000 | 80,000 | 9.5 (241.3)   | 1.6 (40.64) |
| JCQ-3E     | 3   | 5500 | Single | 130,000 | 80,000 | 9.44 (239.78) | 1.6 (40.64) |
| JCQ-5E     | 5   | 5500 | Single | 130,000 | 80,000 | 9.5 (241.3)   | 1.6 (40.64) |
| JCQ-10E    | 10  | 5500 | Single | 130,000 | 80,000 | 9.5 (241.3)   | 1.6 (40.64) |

#### 8300V; E-Rated Fuse; Indicating

|          |     |      |        |         |        |                |             |
|----------|-----|------|--------|---------|--------|----------------|-------------|
| JCI-1/2E | 0.5 | 8300 | Single | 130,000 | 80,000 | 9.5 (241.3)    | 1.6 (40.64) |
| JCI-3E   | 3   | 8300 | Single | 130,000 | 80,000 | 12.88 (327.15) | 1.6 (40.64) |
| JCI-5E   | 5   | 8300 | Single | 130,000 | 80,000 | 12.88 (327.15) | 1.6 (40.64) |
| JCI-10E  | 10  | 8300 | Single | 130,000 | 80,000 | 12.88 (327.15) | 1.6 (40.64) |

#### 15,500V; E-Rated Fuse; Indicating

|            |     |       |        |         |        |                |             |
|------------|-----|-------|--------|---------|--------|----------------|-------------|
| JCT-1/2E   | 0.5 | 15500 | Single | 130,000 | 80,000 | 12.93 (328.42) | 1.6 (40.64) |
| JCT-1E     | 1   | 15500 | Single | 130,000 | 80,000 | 12.93 (328.42) | 1.6 (40.64) |
| JCT-1 1/2E | 1.5 | 15500 | Single | 130,000 | 80,000 | 12.93 (328.42) | 1.6 (40.64) |
| JCT-3E     | 3   | 15500 | Single | 130,000 | 80,000 | 17.5 (444.5)   | 1.6 (40.64) |
| JCT-5E     | 5   | 15500 | Single | 130,000 | 80,000 | 17.5 (444.5)   | 1.6 (40.64) |
| JCT-10E    | 10  | 15500 | Single | 130,000 | 80,000 | 17.5 (444.5)   | 1.6 (40.64) |

Fuse clip for 1.6 inch Diameter Fuses - 1A0835.  
Fuse clip for 0.81 inch Diameter Fuses - 1A1837.

Data Sheet: 6002