

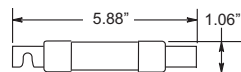
# ECNR

## Class RK5 250Vac, 70 to 600A

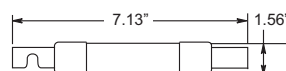
### Dual-Element, Time-Delay Fuses



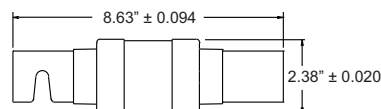
#### Dimensions (inches)



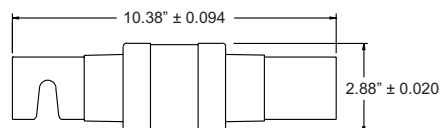
70 to 100A



110 to 200A



225 to 400A



450 to 600A

#### Catalog Symbol: ECNR

Dual-Element, Time-Delay – 10 seconds (minimum) at 500% rated current

Current-Limiting

**Volts:** 250Vac(or less)

125Vdc (110-200A)

250Vdc (225-600A)

**Amps:** 70 to 600A

**IR:** 200kA RMS Sym.

**Agency Information:** CE, UL Listed, Std. 248-12, Class RK5, Guide JDDZ, File E162363 CSA Certified, C22.2 No. 248.12, Class 1422-02, File 700489

#### Features

- Provides motor overload, ground fault and short-circuit protection.
- Helps protect motors against burnout from overloads and single-phasing when sized properly.
- Simplifies and improves blackout prevention (selective coordination).
- Dual-element fuses can be applied in circuits subject to temporary motor overloads and surge currents to provide both high performance short-circuit and overload protection.
- The overload element provides protection against low level overcurrent of overloads and will hold on inrush current which is five times greater than the amp rating of the fuse for a minimum of ten seconds.

#### Catalog Numbers (amps)

|         |         |         |         |
|---------|---------|---------|---------|
| ECNR70  | ECNR110 | ECNR225 | ECNR450 |
| ECNR75  | ECNR125 | ECNR250 | ECNR500 |
| ECNR80  | ECNR150 | ECNR300 | ECNR600 |
| ECNR90  | ECNR175 | ECNR350 |         |
| ECNR100 | ECNR200 | ECNR400 |         |

#### Carton Quantity and Weight

| Amps    | Carton Quantity | Weight per Carton |      |
|---------|-----------------|-------------------|------|
|         |                 | lbs               | kg   |
| 70-100  | 5               | 1.5               | 0.68 |
| 101-200 | 1               | 0.77              | 0.35 |
| 201-400 | 1               | 1.52              | 0.69 |
| 401-600 | 1               | 3.0               | 1.4  |

#### Class RK5 Fuse Blocks (250V) Catalog Data

(Clip Retaining Spring Standard, Suffix "R")

Terminal Type (Suffix No.)

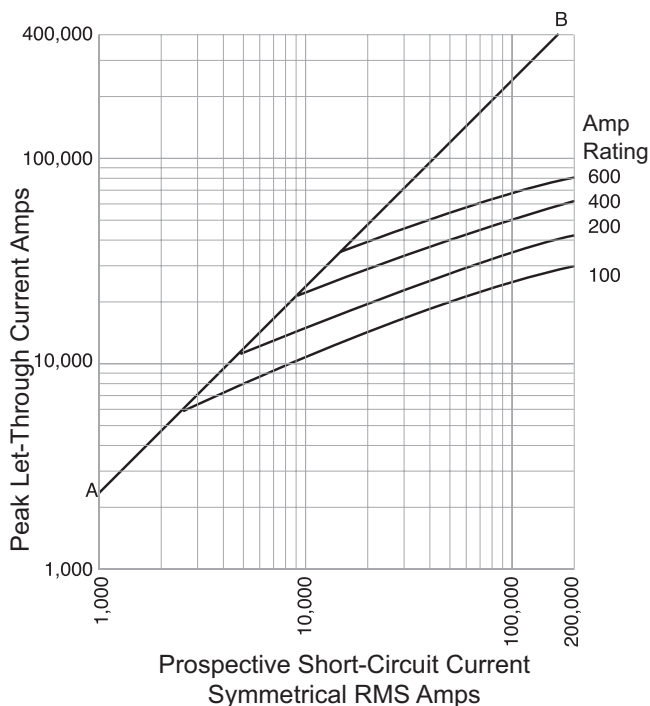
Basic Box Lug w/

| Amps       | Poles      | Catalog Number | Reinforced Clip |         |   |
|------------|------------|----------------|-----------------|---------|---|
|            |            |                | —               | CU only |   |
| 70 to 100  | 1          | R25100-1       | CR              | COR     |   |
|            | 2          | R25100-2       | CR              | COR     |   |
|            | 3          | R25100-3       | CR              | COR     |   |
| 110 to 200 | 1          | R25200-1       | CR              | —       |   |
| 225 to 400 | 1          | R25400-1       | CR              | —       |   |
| 450 to 600 | 1          | R25600-1       | CR              | —       |   |
| 110 to 200 | 3          | R25200-3       | CR              | —       |   |
|            | 225 to 400 | 3              | R25400-3        | CR      | — |
|            | 450 to 600 | 3              | R25600-3        | CR      | — |

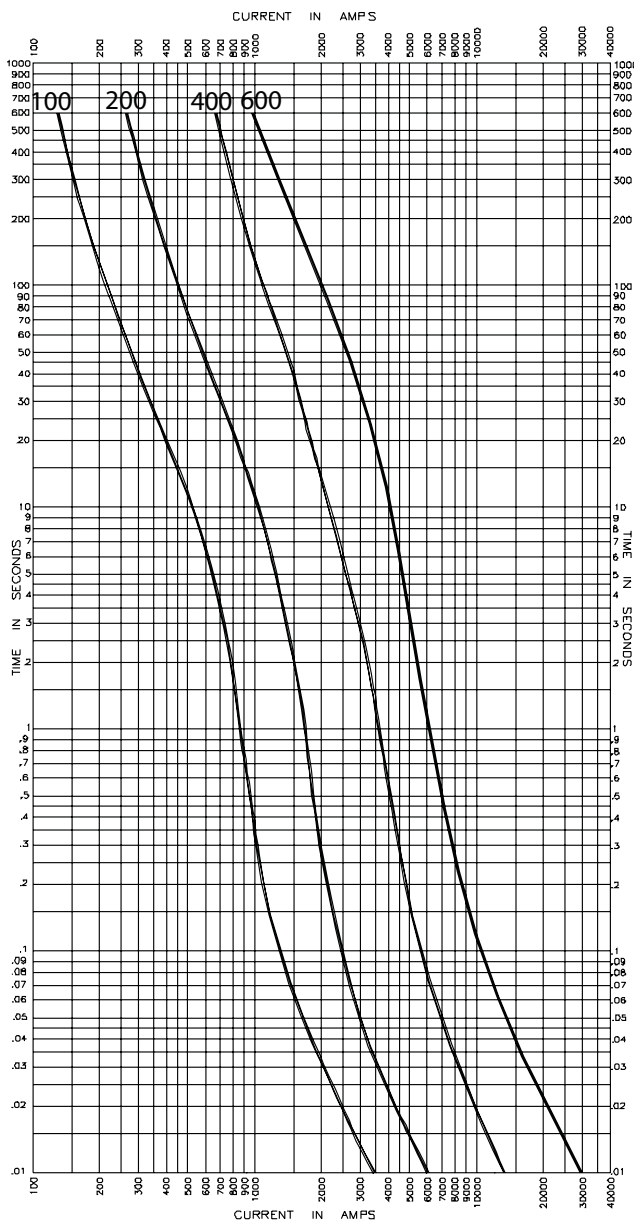
# ECNR

## Class RK5 250Vac, 70 to 600A Dual-Element, Time-Delay Fuses

### Current Limitation Curves



### Time-Current Characteristic Curves—Average Melt



### Fuse Reducers For Class R Fuses

| Equipment<br>Fuse Clips | Desired<br>Fuse Size | Catalog Number<br>(Pairs) 250V |
|-------------------------|----------------------|--------------------------------|
| 200A                    | 70-100A              | No. 2621-R                     |
| 400A                    | 70-100A              | No. 2641-R                     |
|                         | 110-200A             | No. 642-R                      |
| 600A                    | 70-100A              | No. 2661-R                     |
|                         | 110-200A             | No. 2662-R                     |
|                         | 225-400A             | No. 2664-R*                    |

\*Single reducer only (pair not required).

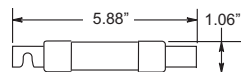
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# ECNR

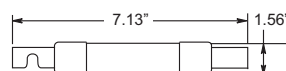
## Class RK5 250Vac, 70 to 600A Dual-Element, Time-Delay Fuses



### Dimensions (inches)



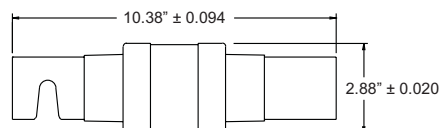
70 to 100A



110 to 200A



225 to 400A



450 to 600A

### Catalog Symbol: ECNR

Dual-Element, Time-Delay – 10 seconds (minimum) at 500% rated current

Current-Limiting

**Volts:** 250Vac(or less)

125Vdc (110-200A)

250Vdc (225-600A)

**Amps:** 70 to 600A

**IR:** 200kA RMS Sym.

**Agency Information:** CE, UL Listed, Std. 248-12, Class RK5, Guide JDDZ, File E162363 CSA Certified, C22.2 No. 248.12, Class 1422-02, File 700489

### Features

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- Helps protect motors against burnout from overloads and single-phasing when sized properly.
- Simplifies and improves blackout prevention (selective coordination).
- Dual-element fuses can be applied in circuits subject to temporary motor overloads and surge currents to provide both high performance short-circuit and overload protection.
- The overload element provides protection against low level overcurrent of overloads and will hold on inrush current which is five times greater than the amp rating of the fuse for a minimum of ten seconds.

### Catalog Numbers (amps)

|         |         |         |         |
|---------|---------|---------|---------|
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| ECNR75  | ECNR125 | ECNR250 | ECNR500 |
| ECNR80  | ECNR150 | ECNR300 | ECNR600 |
| ECNR90  | ECNR175 | ECNR350 |         |
| ECNR100 | ECNR200 | ECNR400 |         |

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| 401-600 | 1               | 3.0               | 1.4  |

### Class RK5 Fuse Blocks (250V) Catalog Data

(Clip Retaining Spring Standard, Suffix "R")

Terminal Type (Suffix No.)

Basic Box Lug w/

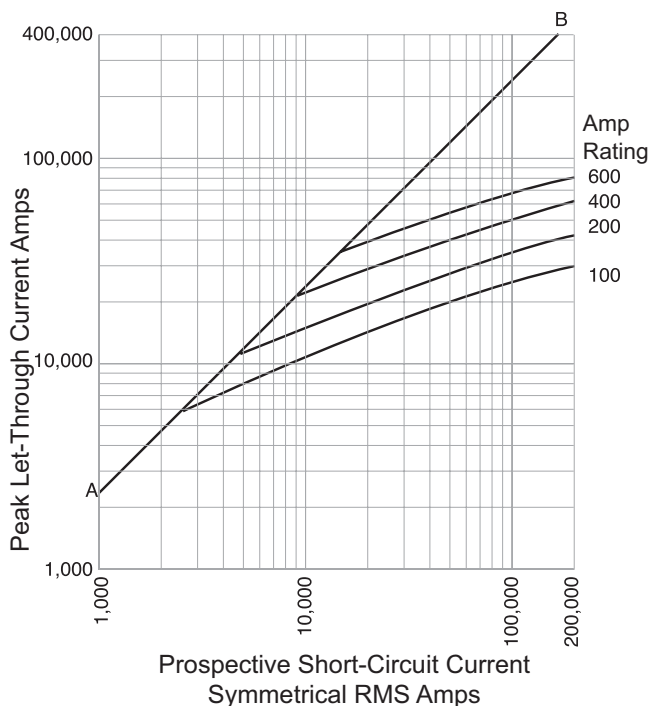
| Amps       | Poles      | Catalog Number | Reinforced Clip |         |   |
|------------|------------|----------------|-----------------|---------|---|
|            |            |                | —               | CU only |   |
| 70 to 100  | 1          | R25100-1       | CR              | COR     |   |
|            | 2          | R25100-2       | CR              | COR     |   |
|            | 3          | R25100-3       | CR              | COR     |   |
| 110 to 200 | 1          | R25200-1       | CR              | —       |   |
| 225 to 400 | 1          | R25400-1       | CR              | —       |   |
| 450 to 600 | 1          | R25600-1       | CR              | —       |   |
| 110 to 200 | 3          | R25200-3       | CR              | —       |   |
|            | 225 to 400 | 3              | R25400-3        | CR      | — |
|            | 450 to 600 | 3              | R25600-3        | CR      | — |

# ECNR

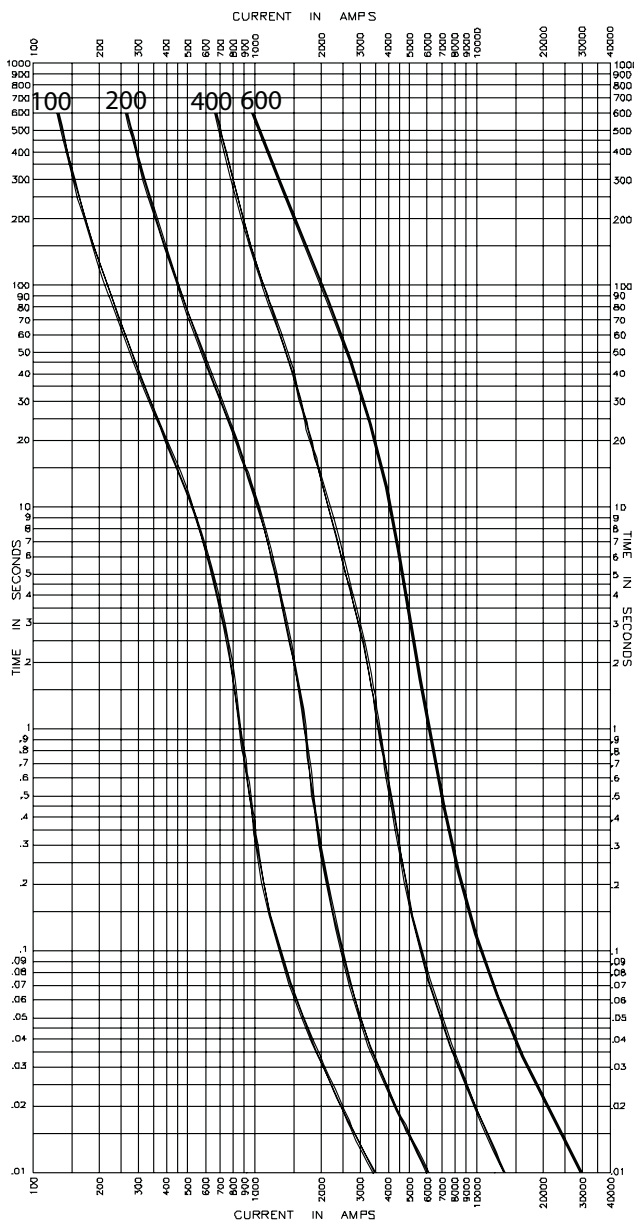
## Class RK5 250Vac, 70 to 600A

### Dual-Element, Time-Delay Fuses

#### Current Limitation Curves



#### Time-Current Characteristic Curves—Average Melt



#### Fuse Reducers For Class R Fuses

| Equipment<br>Fuse Clips | Desired<br>Fuse Size | Catalog Number<br>(Pairs) 250V |
|-------------------------|----------------------|--------------------------------|
| 200A                    | 70-100A              | No. 2621-R                     |
| 400A                    | 70-100A              | No. 2641-R                     |
|                         | 110-200A             | No. 642-R                      |
| 600A                    | 70-100A              | No. 2661-R                     |
|                         | 110-200A             | No. 2662-R                     |
|                         | 225-400A             | No. 2664-R*                    |

\*Single reducer only (pair not required).

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