

Cooper Bussmann

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FNO-R-10
Class CC, Time Delay Fuse

| Product Information | |
|---------------------|------------------|
| Product Type: | Fuse |
| Product Family: | Electrical Power |
| Brand: | Cooper Bussmann |
| Sub-brand: | CC-Tron |
| Class: | CC |

| Recommended Products | |
|-------------------------------|--------------------------------|
| Rec. Fuse Block: | BC603 Series |
| Rec. Panel-mount Fuse Holder: | HPS-RR |
| Rec. Modular Fuse Holder: | CHCC Series |
| Rec. Disconnect Switch: | CFD30CC Series |
| Rec. Cover: | SAMI-7 Series |

| Certifications |
|-------------------------------|
| UL Listed |
| CSA Certified |

| Electrical Properties | |
|--------------------------|--|
| Maximum AC Voltage: | 600 |
| Amperage Rating: | 10 |
| AC Interrupting Ratings: | <ul style="list-style-type: none"> • 200000 at 600V |
| Fuse Class: | Class CC |

| Physical Properties | |
|---------------------|-----------------------------------|
| Dimensions: | 1.5in.(L) × 0.406in.(W) × 0in.(H) |

| | |
|-------------|-----|
| Time Delay: | Yes |
|-------------|-----|

CC-TRON®

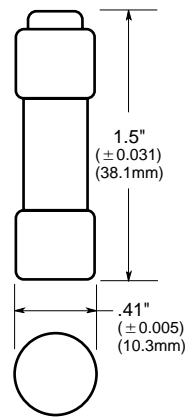
FNQ-R

Time-Delay Fuses

1 3/32" x 1 1/2", 600 Volt, 1/4 to 30 Amps



Dimensional Data



Catalog Symbol: FNQ-R

Time-Delay

Application: Circuit Transformer Protection

Ampere Rating: 1/4 to 30A

Voltage Rating: 600Vac (or less)†

Interrupting Rating: 200,000A RMS Sym. (UL)

Agency Information:

UL Listed, Std. 248-4, Class CC, Guide JDDZ, File E4273

CSA Certified, Class CC CSA, Class 1422-01,

File 53787-HRC-MISC

†12-30A is 300Vdc and 10k AIR.

General Information:

- The Bussmann CC-TRON® (FNQ-R) was designed to meet the needs of control circuit transformer protection.
- Current-limitation protects down stream components against damaging thermal and magnetic effects of short-circuit currents.
- **High inrush time-delay.** Control circuit transformers can experience inrush currents up to 85 times their full-load current rating. FNQ-R fuses can be sized according to NEC and UL requirements and still allow the high inrush currents, with significantly more time-delay than the UL minimum value of 12 seconds at 200% for Class CC fuses.
- Melamine tube. Nickel-plated brass endcaps.

Maximum Acceptable Rating of Overcurrent Device*

| Rated Primary Current (Amperes) | Maximum Rating of Overcurrent Protective Device Expressed As A Percent of Transformer Primary Current Rating |
|---------------------------------|--|
| Less than 2A | 500** |
| 2A to less than 9A | 167 |
| 9A or more | 125 |

*UL 508A Table 42.1.

**300% for other than motor control applications.

CE

Electrical Ratings (Catalog Symbol and Amperes)

| | | | |
|-------------|--------------|--------------|--------------|
| FNQ-R-1/4 | FNQ-R-1 3/10 | FNQ-R-3 2/10 | FNQ-R-8 |
| FNQ-R-3/10 | FNQ-R-1 1/10 | FNQ-R-3 1/2 | FNQ-R-9 |
| FNQ-R-4/10 | FNQ-R-1 1/2 | FNQ-R-4 | FNQ-R-10 |
| FNQ-R-1/2 | FNQ-R-1 9/10 | FNQ-R-4 1/2 | FNQ-R-12 |
| FNQ-R-5/10 | FNQ-R-1 8/10 | FNQ-R-5 | FNQ-R-15 |
| FNQ-R-3/4 | FNQ-R-2 | FNQ-R-5 9/10 | FNQ-R-17 1/2 |
| FNQ-R-9/10 | FNQ-R-2 1/4 | FNQ-R-6 | FNQ-R-20 |
| FNQ-R-1 | FNQ-R-2 1/2 | FNQ-R-6 1/4 | FNQ-R-25 |
| FNQ-R-1 1/8 | FNQ-R-2 9/10 | FNQ-R-7 | FNQ-R-30 |
| FNQ-R-1 1/4 | FNQ-R-3 | FNQ-R-7 1/2 | — |

Carton Quantity and Weight

| Ampere Ratings | Carton Qty. | Weight* | |
|----------------|-------------|---------|------|
| | | Lbs. | Kg. |
| 1/4-30 | 10 | .200 | .091 |

*Weight per carton