

Cooper Bussmann

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FNQ-R-5

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

Physical Properties

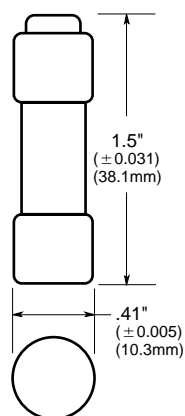
Dimensions:	1.5in.(L) × 0.406in.(W) × 0in.(H)
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Certifications

[UL Listed](#)[CSA Certified](#)

Electrical Properties

Maximum AC Voltage:	600
Amperage Rating:	5
AC Interrupting Ratings:	<ul style="list-style-type: none">200000 at 600V
Fuse Class:	Class CC
Time Delay:	Yes

CC-TRON®**Time-Delay Fuses****1³/₃₂" × 1¹/₂", 600 Volt, ¼ to 30 Amps****FNQ-R****Dimensional Data****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.

Catalog Symbol: FNQ-R

Time-Delay

Application: Circuit Transformer Protection

Ampere Rating: ¼ 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.

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-¼	FNQ-R-1 ³ / ₁₀	FNQ-R-3 ² / ₁₀	FNQ-R-8
FNQ-R-3 ¹ / ₁₀	FNQ-R-1 ¹ / ₁₀	FNQ-R-3 ¹ / ₂	FNQ-R-9
FNQ-R-4 ¹ / ₁₀	FNQ-R-1 ¹ / ₂	FNQ-R-4	FNQ-R-10
FNQ-R-½	FNQ-R-1 ¹ / ₁₀	FNQ-R-4 ¹ / ₂	FNQ-R-12
FNQ-R-5 ¹ / ₁₀	FNQ-R-1 ¹ / ₁₀	FNQ-R-5	FNQ-R-15
FNQ-R-¾	FNQ-R-2	FNQ-R-5 ⁹ / ₁₀	FNQ-R-17 ¹ / ₂
FNQ-R-8 ¹ / ₁₀	FNQ-R-2 ¹ / ₄	FNQ-R-6	FNQ-R-20
FNQ-R-1	FNQ-R-2 ¹ / ₂	FNQ-R-6 ³ / 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.
¼-30	10	.200	.091

*Weight per carton