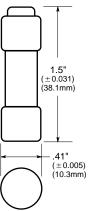
# **Bussmann**®

**FNQ-R** 

# **CC-TRON**<sup>®</sup> Time-Delay Fuses $1^{3}_{32}'' \times 1^{1}_{2}''$ , 600 Volt, $\frac{1}{4}$ to 30 Amps



## **Dimensional Data**



Catalog Symbol: FNQ-R Time-Delay Application: Circuit Transformer Protection Ampere Rating: ½ 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.

#### Electrical Ratings (Catalog Symbol and Amperes)

FNQ-R-1/4	FNQ-R-13/10	FNQ-R-3%	FNQ-R-8	
FNQ-R-3/10	FNQ-R-14/10	FNQ-R-31/2	FNQ-R-9	
FNQ-R-1/10	FNQ-R-11/2	FNQ-R-4	FNQ-R-10	
FNQ-R-1/2	FNQ-R-1%10	FNQ-R-4½	FNQ-R-12	
FNQ-R-%10	FNQ-R-1%10	FNQ-R-5	FNQ-R-15	
FNQ-R-¾	FNQ-R-2	FNQ-R-5%10	FNQ-R-171/2	
FNQ-R-%10	FNQ-R-21/4	FNQ-R-6	FNQ-R-20	
FNQ-R-1	FNQ-R-21/2	FNQ-R-61/4	FNQ-R-25	
FNQ-R-11/8	FNQ-R-2%10	FNQ-R-7	FNQ-R-30	
FNQ-R-11/4	FNQ-R-3	FNQ-R-71/2	_	

#### **Carton Quantity and Weight**

Carton Qty.	Weight*	
	Lbs.	Kg.
10	.200	.091
	Qty.	Qty. Lbs.

\*Weight per carton

## **General Information:**

- The Bussmann CC-TRON<sup>®</sup> (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 shortcircuit 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 EOOA T-bl- 40.1	

\*UL 508A Table 42.1.

\*\*300% for other than motor control applications.

CE CE logo denotes compliance with European Union Low Voltage Directive (50-1000Vac, 75-1500Vdc). Refer to Data Sheet: 8002 or contact Bussmann Application Engineering at 636-527-1270 for more information.



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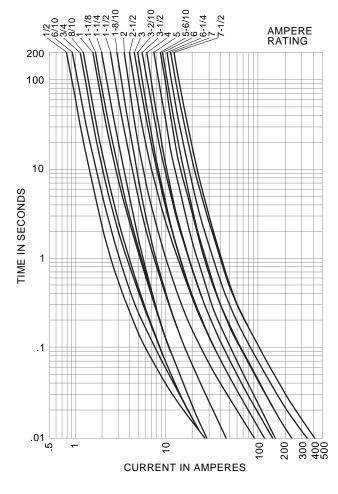
# **Bussmann**®

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# **CC-TRON**<sup>®</sup> Time-Delay Fuses ${}^{13}\!\!\!/_{32}'' \times 1{}^{1}\!\!/_{2}''$ , 600 Volt, ${}^{1}\!\!/_{4}$ to 30 Amps

## **Time-Current Characteristics-Average Melt**

## **Time-Current Characteristics-Average Melt**





Recommended fuseblocks/fuseholders for Class CC 600V fuses See Data Sheets listed below

- Open fuseblocks 1105
- Finger-safe fuseholders 1109, 1102, 1103, 1151
- Panel-mount fuseholders 2114, 2113
- In-line fuseholders 2126

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