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# BUSSMANN SERIES

# LIMITRON<sup>™</sup> FNQ-R Class CC 600Vac, 1/4-30A, time-delay fuses





#### Catalog symbol:

· FNQ-R-(amp)

# **Description:**

Advanced protection Class CC current-limiting, time-delay fuses.

#### **Specifications:**

#### Ratings

- Volts
  - 600Vac
  - 300Vdc (15 & 20A)
- Amps 1/4-30A
- IR
  - 200kA Vac RMS Sym.
  - · 20kA Vdc (15 & 20A)

#### Agency information

- UL<sup>®</sup> Listed, Std. 248-4, Class CC, Guide JDDZ, File E4273
- CSA® Certified, Class CC CSA, Class 1422-01, File 53787–HRC-MISC
- CE
- RoHS compliant\*
- \* FNQ-R-1/4 not RoHS complaint.

Catalog numbers (amps)					
FNQ-R-1/4	FNQ-R-1-3/10	FNQ-R-3-2/10	FNQ-R-8		
FNQ-R-3/10	FNQ-R-1-4/10	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-1-6/10	FNQ-R-4-1/2	FNQ-R-12		
FNQ-R-6/10	FNQ-R-1-8/10	FNQ-R-5	FNQ-R-15		
FNQ-R-3/4	FNQ-R-2	FNQ-R-5-6/10	FNQ-R-17-1/2		
FNQ-R-8/10	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-2-8/10	FNQ-R-7	FNQ-R-30		
FNQ-R-1-1/4	FNQ-R-3	FNQ-R-7-1/2			

#### **Carton quantity:**

Amp rating	Carton qty.
1/4-30	10

#### **Dimensions - in:**



#### **Features:**

- Provides 10X better current limitation to help prevent equipment damage caused by shortcircuit events.
- 200kA interrupting rating complies with NEC<sup>®</sup> Section 110.9 for today's large capacity systems.
- Fast-acting fuse helps prevent equipment damage caused by short-circuit events.
- Rejection type fuse fits both standard and rejection-style holders.
- The Class CC FNQ-R Limitron fuse meets the needs of control circuit transformer protection.
- FNQ-R fuses can be sized according to NEC<sup>®</sup> and UL requirements and still allow the high inrush currents, with significantly more timedelay than the UL minimum value of 12 seconds at 200% for Class CC fuses.
- Ideal for critical industrial or commercial applications that have specific current limitation requirements.



# **Applications:**

- Branch circuits
- · Line protection
- Small control transformers
- Industrial control

#### **Recommended fuse blocks and holders:**

Fuse amps	1-Pole	2-Pole	3-Pole		
Modular open blocks					
0-30	BCM603-1_	BCM603-2_	BCM603-3_		
DIN-Rail holders					
	CHCC1D_	CHCC2D_	CHCC3D_		
0-30	—	—	OPM-NG		
	_	_	OPM-1038_		
	_	_	OPM-1038_SW		
Panel mount holders					
0-30	HPS	—	—		
	HPF	_	_		
In-line holders					
0-30	_	HEY	—		
	HEZ	_	_		

For additional information on Class CC fuse blocks and holders, see data sheets:

- Modular open blocks # 10241 (BCM)
- DIN-Rail holders No. 3185 (CHCC), No. 1109 (OPM), No. 1102 (OPM-1038), No. 1103 (OPM-1038\_SW)
- · Panel mount holders No. 2113 (HPS), No. 2114 (HPF)
- · In-line holders No. 2126 (HEY), No. 2130 (HEZ)

## Time-current curves - average melt:

1/2 to 71/2 amps



# Time-current curves - average melt:

# 15 to 30 Amps



# **Current-limitation curves:**

# 1-1/2 to 7-1/2 amps



### **Current-limitation curves:**

#### 10 to 30 amps



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