

LIMITRON™ 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® 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.

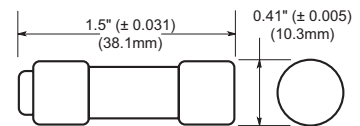
Catalog numbers (amps)

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 short-circuit events.
- 200kA interrupting rating complies with NEC® 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® 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.
- Ideal for critical industrial or commercial applications that have specific current limitation requirements.



Powering Business Worldwide

Applications:

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

Recommended fuse blocks and holders:

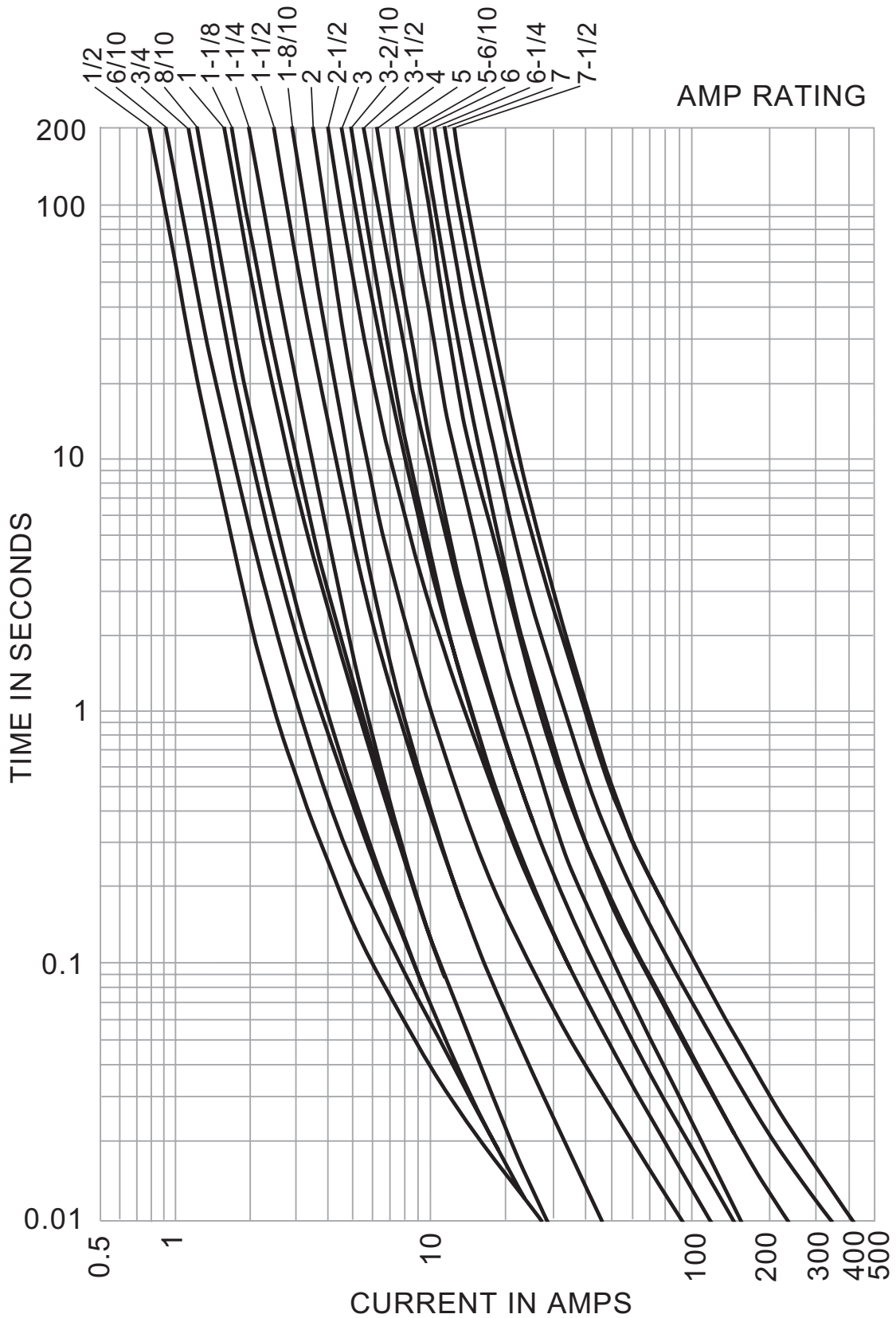
Fuse amps	1-Pole	2-Pole	3-Pole
Modular open blocks			
0-30	BCM603-1_	BCM603-2_	BCM603-3_
DIN-Rail holders			
	CHCC1D_	CHCC2D_	CHCC3D_
0-30	—	—	OPM-NG_
	—	—	OPM-1038_
	—	—	OPM-1038_SW
Panel mount holders			
0-30	HPS	—	—
	HPF	—	—
In-line holders			
0-30	—	HEY	—
	HEZ	—	—

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)

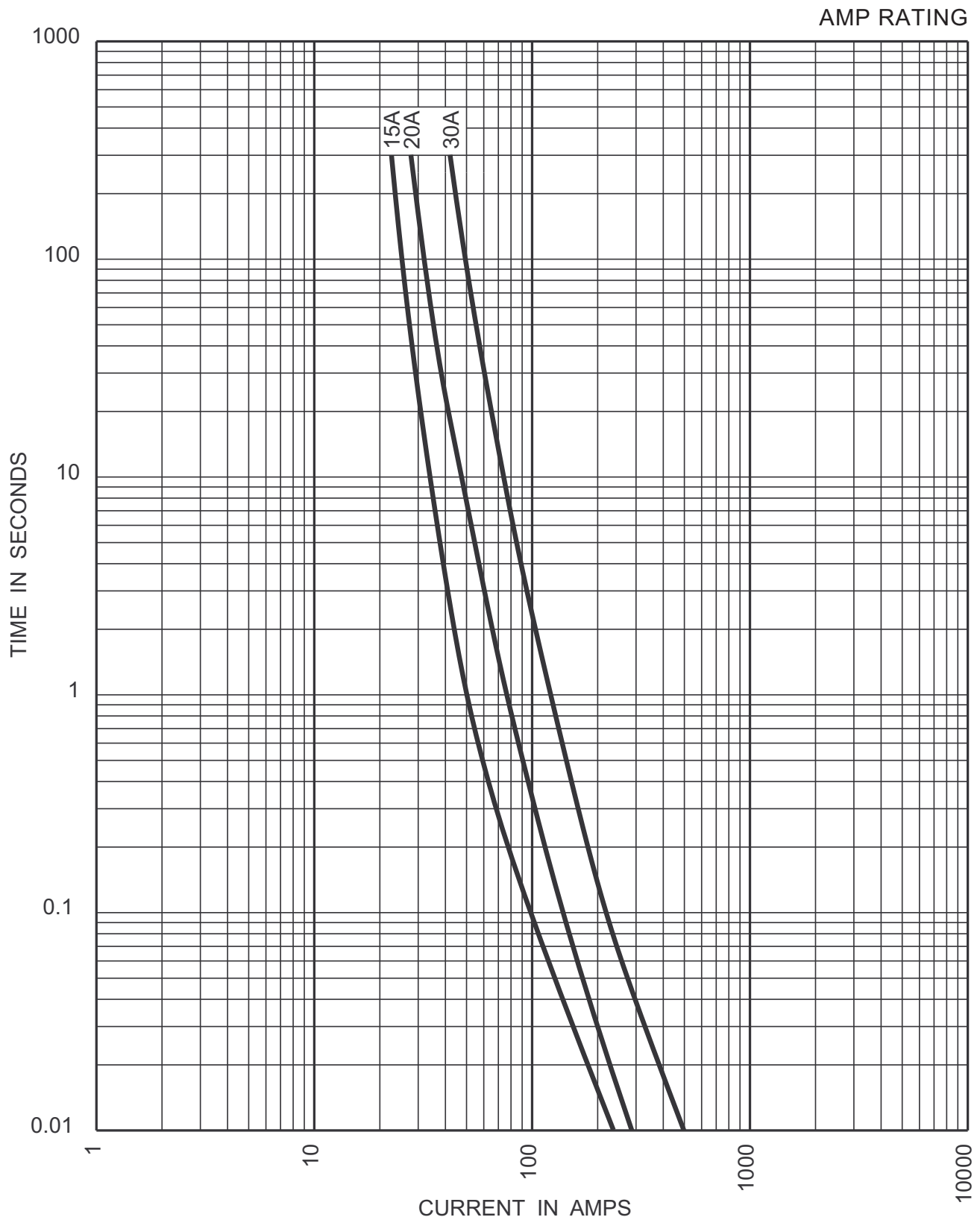
Time-current curves - average melt:

1/2 to 7 1/2 amps



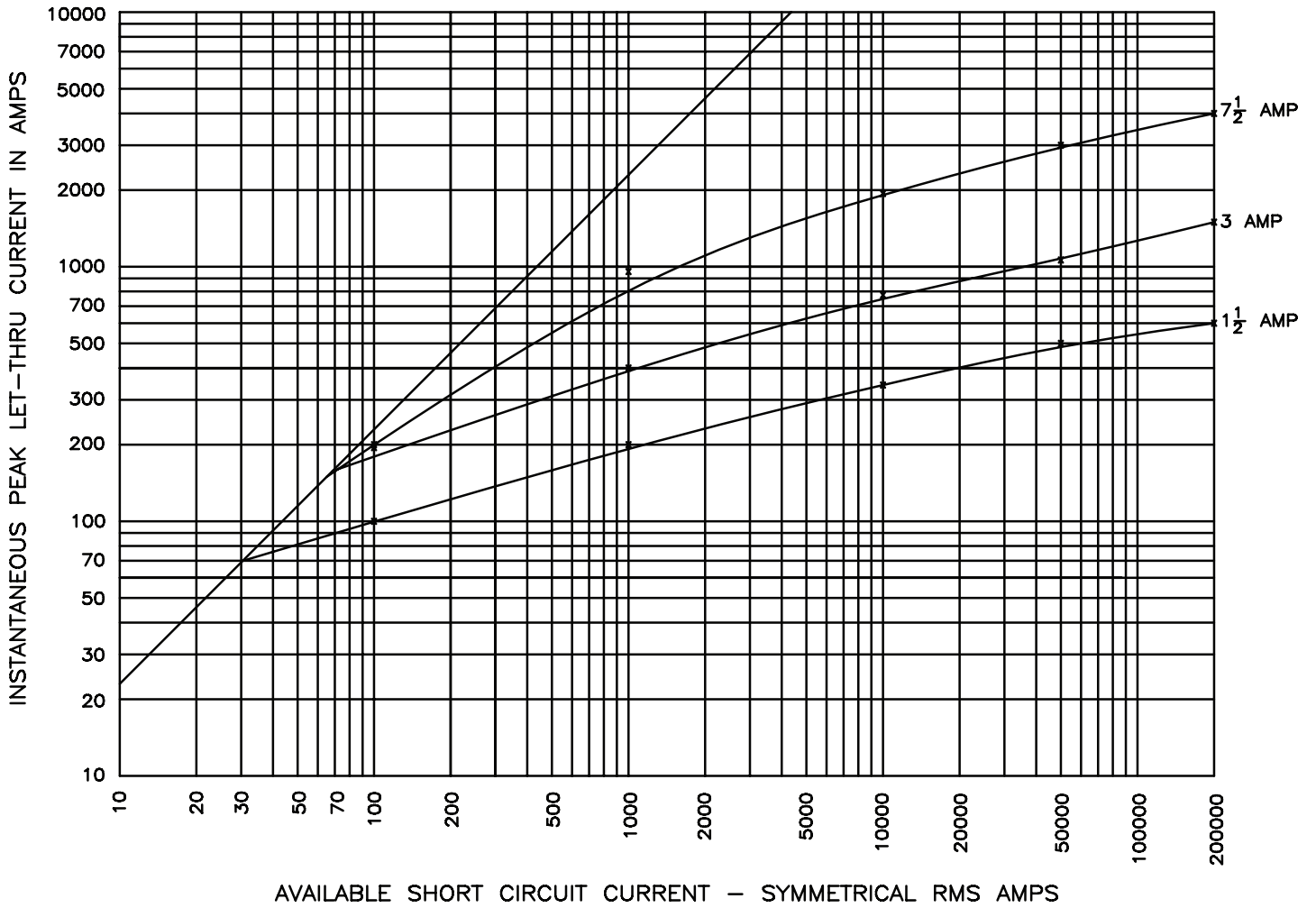
Time-current curves - average melt:

15 to 30 Amps



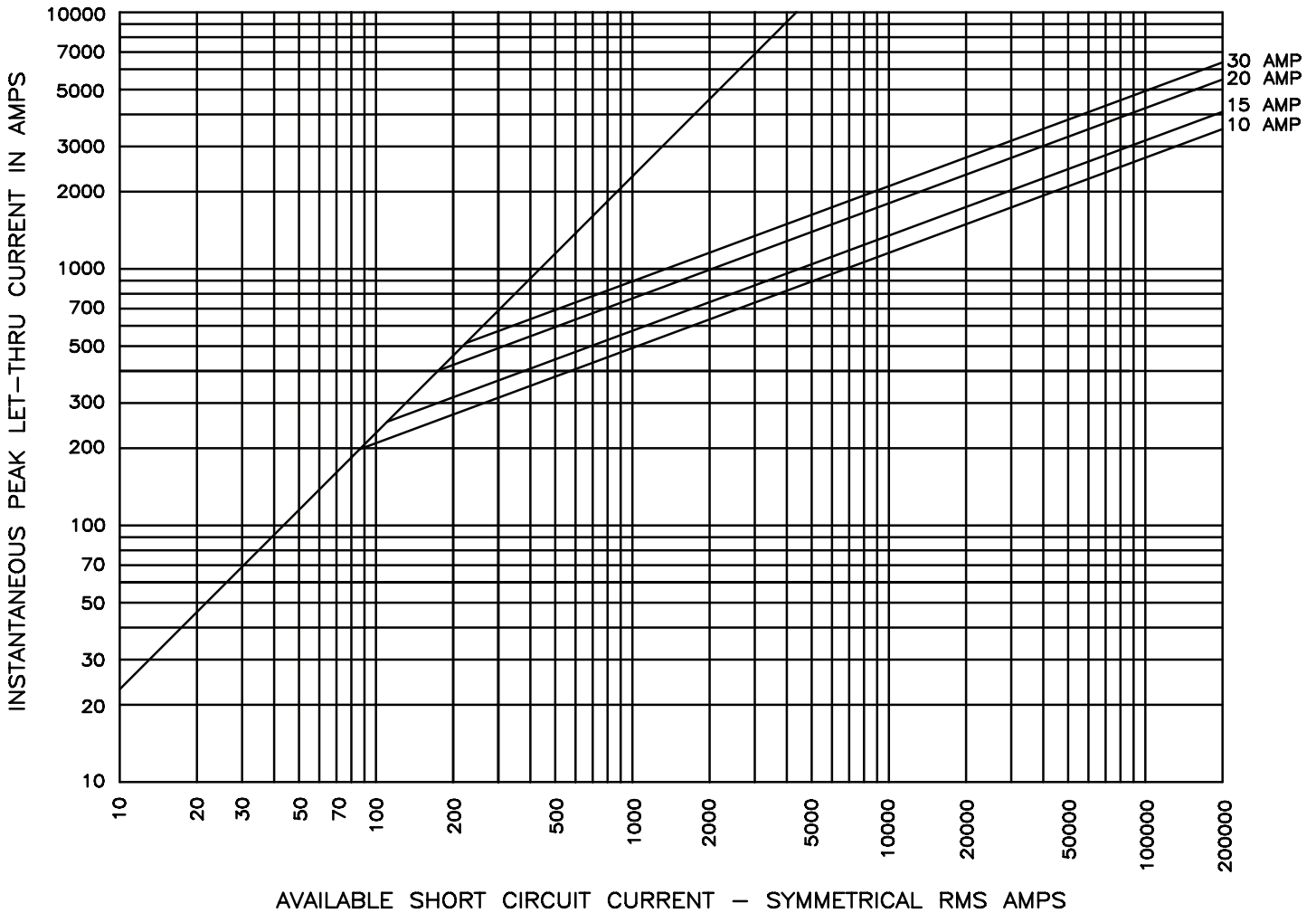
Current-limitation curves:

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



Current-limitation curves:

10 to 30 amps



The only controlled copy of this data sheet is the electronic read-only version located on the Eaton network drive. All other copies of this document are by definition uncontrolled. This bulletin is intended to clearly present comprehensive product data and provide technical information that will help the end user with design applications. Eaton reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Eaton also reserves the right to change or update, without notice, any technical information contained in this bulletin. Once a product has been selected, it should be tested by the user in all possible applications.

Eaton
 1000 Eaton Boulevard
 Cleveland, OH 44122
 Eaton.com

Bussmann Division
 114 Old State Road
 Ellisville, MO 63021
 United States
 Eaton.com/bussmannseries

© 2015 Eaton
 All Rights Reserved
 Printed in USA
 Publication No. 1014 — BU-SB14042
 August 2015

Eaton, Bussmann and Limitron are valuable trademarks of Eaton in the US and other countries. You are not permitted to use the Eaton trademarks without prior written consent of Eaton.
 UL® is a registered trademark of the Underwriters Laboratories, Inc.
 CSA® is a registered trademark of the Canadian Standards Group.
 NEC® is a registered trademark of the National Fire Protection Association, Inc.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Cooper Bussmann:

[FNQ-R-6/10](#) [FNQ-R-1-6/10](#) [FNQ-R-1-1/4](#) [FNQ-R-1-1/2](#) [BK/FNQ-R-1-1/4](#) [BK/FNQ-R-1/4](#) [BK/FNQ-R-1-6/10](#) [FNQ-R-2-R1](#) [FNQ-R-3/4-R1](#) [FNQ-R-4-R1](#) [FNQ-R-5-6/10](#) [FNQ-R-7](#) [FNQ-R-17-1/2](#) [FNQ-R-4-1/2](#)

Eaton:

[FNQ-R-2](#) [FNQ-R-3-1/2](#) [FNQ-R-4/10](#) [FNQ-R-1/4](#) [FNQ-R-8](#) [FNQ-R-1-8/10](#) [FNQ-R-10](#) [FNQ-R-7-1/2](#) [FNQ-R-30](#) [FNQ-R-20](#) [FNQ-R-4](#) [FNQ-R-6](#) [FNQ-R-8/10](#) [FNQ-R-1/2](#) [FNQ-R-3/10](#) [FNQ-R-6-1/4](#) [FNQ-R-12](#) [FNQ-R-2-1/2](#) [FNQ-R-3](#) [FNQ-R-1-1/8](#) [FNQ-R-5](#) [FNQ-R-1-3/10](#) [FNQ-R-15](#) [FNQ-R-1](#) [BK/FNQ-R-1](#) [BK/FNQ-R-1/2](#) [FNQ-R-3-2/10-R1](#) [FNQ-R-17-1-2](#) [FNQ-R-4-1-2](#)