

# 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.

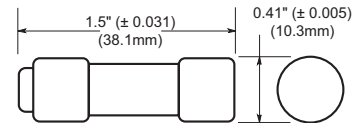
**Catalog numbers (amps)**

|             |              |              |              |
|-------------|--------------|--------------|--------------|
| 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:

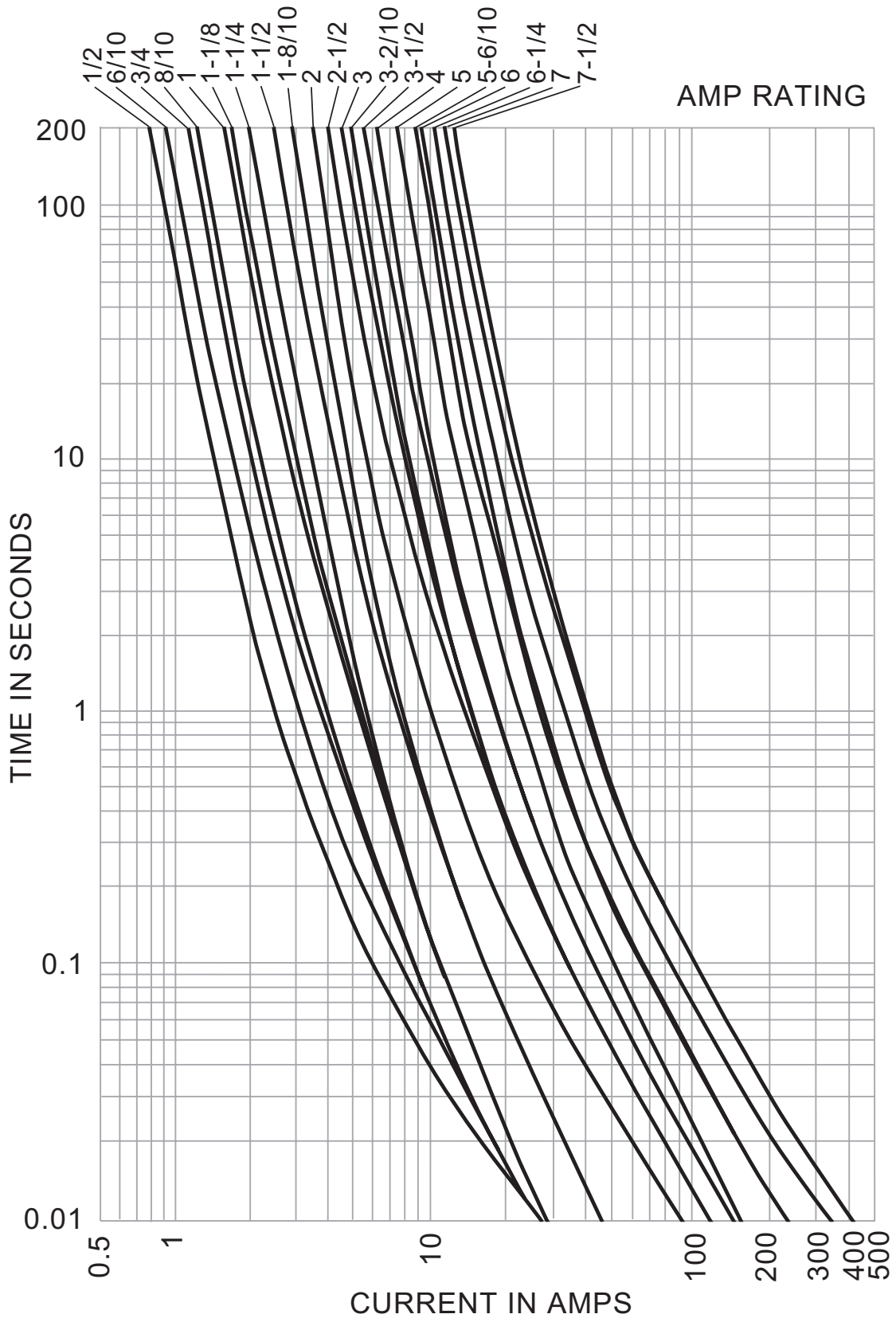
| Fuse amps           | 1-Pole    | 2-Pole    | 3-Pole      |
|---------------------|-----------|-----------|-------------|
| Modular open blocks |           |           |             |
| 0-30                | BCM603-1_ | BCM603-2_ | BCM603-3_   |
| DIN-Rail holders    |           |           |             |
|                     | 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)

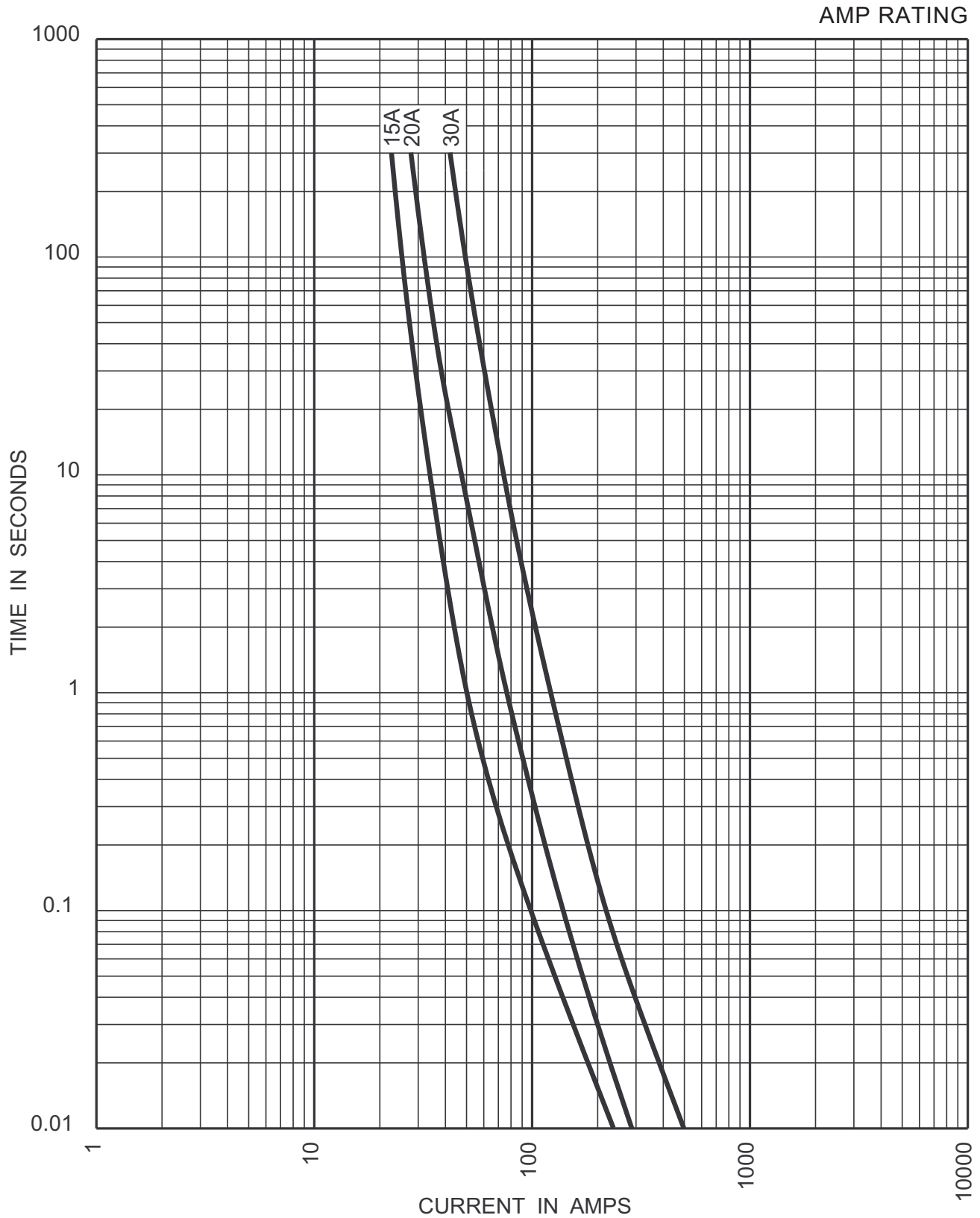
**Time-current curves - average melt:**

1/2 to 7 1/2 amps



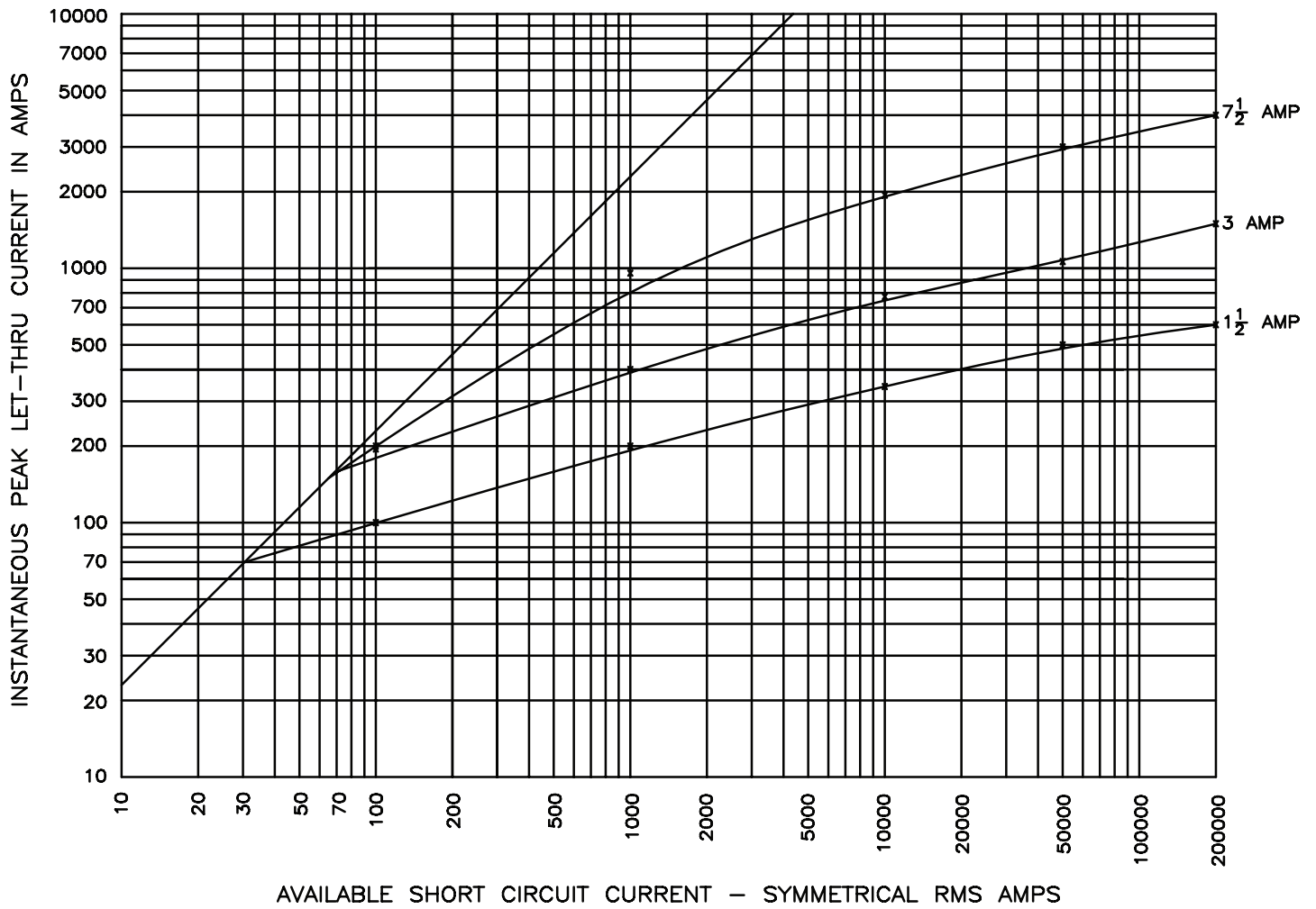
**Time-current curves - average melt:**

15 to 30 Amps



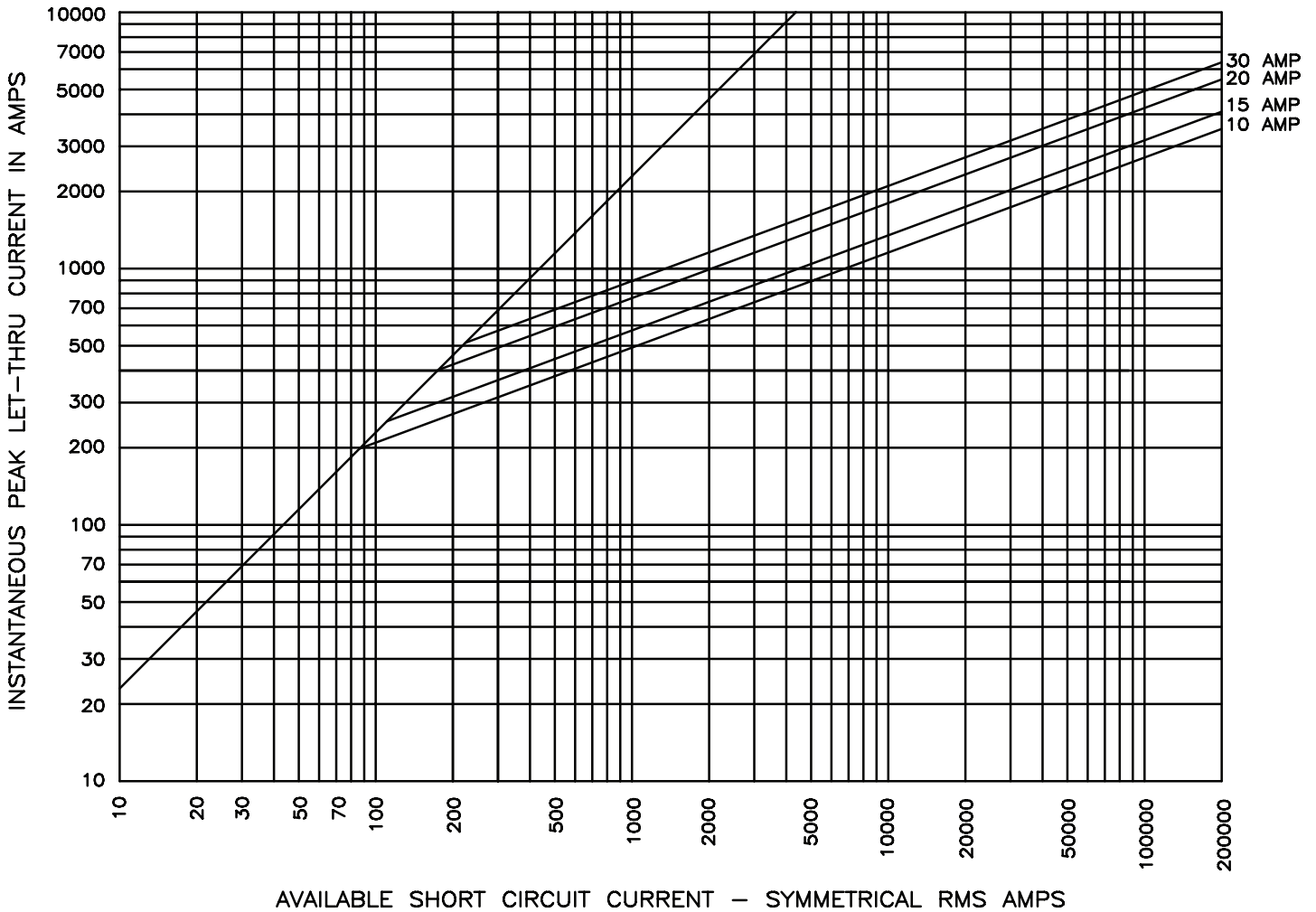
**Current-limitation curves:**

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



**Current-limitation curves:**

10 to 30 amps



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 Printed in USA  
 Publication No. 1014 — BU-SB14042  
 August 2015

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