

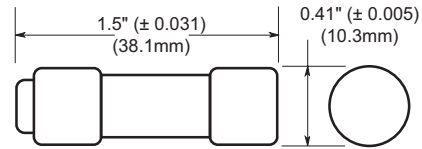
LIMITRON™ Class CC



FNQ-R — 600Vac, ¼-30A, Time-Delay Fuses



Dimensions - in



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

Catalog Symbol: FNQ-R-(amp)

Ratings:

- Volts — 600Vac
- 300Vdc (15 & 20A)
- Amps — ¼-30A
- IR — 200kA Vac RMS Sym.
- 20kA Vdc (15 & 20A)

Agency Information:

CE, UL Listed, Std. 248-4, Class CC, Guide JDDZ, File E4273
 CSA Certified, Class CC CSA, Class 1422-01,
 File 53787-HRC-MISC

RoHS Compliant*

* FNQ-R-¼ not RoHS complaint.

Catalog Numbers (amps)

| | | | |
|----------|----------|----------|-----------|
| FNQ-R-¼ | FNQ-R-1⅓ | FNQ-R-3⅓ | FNQ-R-8 |
| FNQ-R-⅓ | FNQ-R-1½ | FNQ-R-3½ | FNQ-R-9 |
| FNQ-R-½ | FNQ-R-1¾ | FNQ-R-4 | FNQ-R-10 |
| FNQ-R-⅔ | FNQ-R-2 | FNQ-R-4½ | FNQ-R-12 |
| FNQ-R-⅞ | FNQ-R-2¼ | FNQ-R-5 | FNQ-R-15 |
| FNQ-R-1 | FNQ-R-2½ | FNQ-R-5½ | FNQ-R-17½ |
| FNQ-R-1¼ | FNQ-R-3 | FNQ-R-6 | FNQ-R-20 |
| FNQ-R-1½ | FNQ-R-3½ | FNQ-R-6½ | FNQ-R-25 |
| FNQ-R-1¾ | FNQ-R-4 | FNQ-R-7 | FNQ-R-30 |
| FNQ-R-2 | FNQ-R-4½ | FNQ-R-7½ | |

Carton Quantity:

| Amp Rating | Carton Qty. |
|------------|-------------|
| ¼-30 | 10 |

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.

Applications:

- Branch Circuits
- Line Protection
- Small Control Transformers
- Industrial Control

Recommended Fuse Blocks and Holders

| Fuse Amps | 1-Pole | 2-Pole | 3-Pole |
|----------------------------|---------|---------|-------------|
| Open Blocks | | | |
| 0-30 | BC6031_ | BC6032_ | BC6033_ |
| 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:

- Open Blocks # 1105 (BC Series)
- DIN-Rail Holders # 3185 (CHCC), # 1109 (OPM), # 1102 (OPM-1038), 1103 (OPM-1038_SW),
- Panel Mount Holders # 2113 (HPS), # 2114 (HPF)
- In-Line Holders # 2126 (HEY), # 2130 (HEZ)

| Maximum Acceptable Rating of Overcurrent Device† | |
|--|-------|
| Maximum Rating of Overcurrent Protective Device Expressed As a Percent of Transformer Primary Current Rating | |
| Rated Primary Current (Amps) | |
| < 2A | 500†† |
| 2A to 9A | 167 |
| > 9A | 125 |

† UL 508A Table 42.1.
 †† 300% for other than motor control applications.

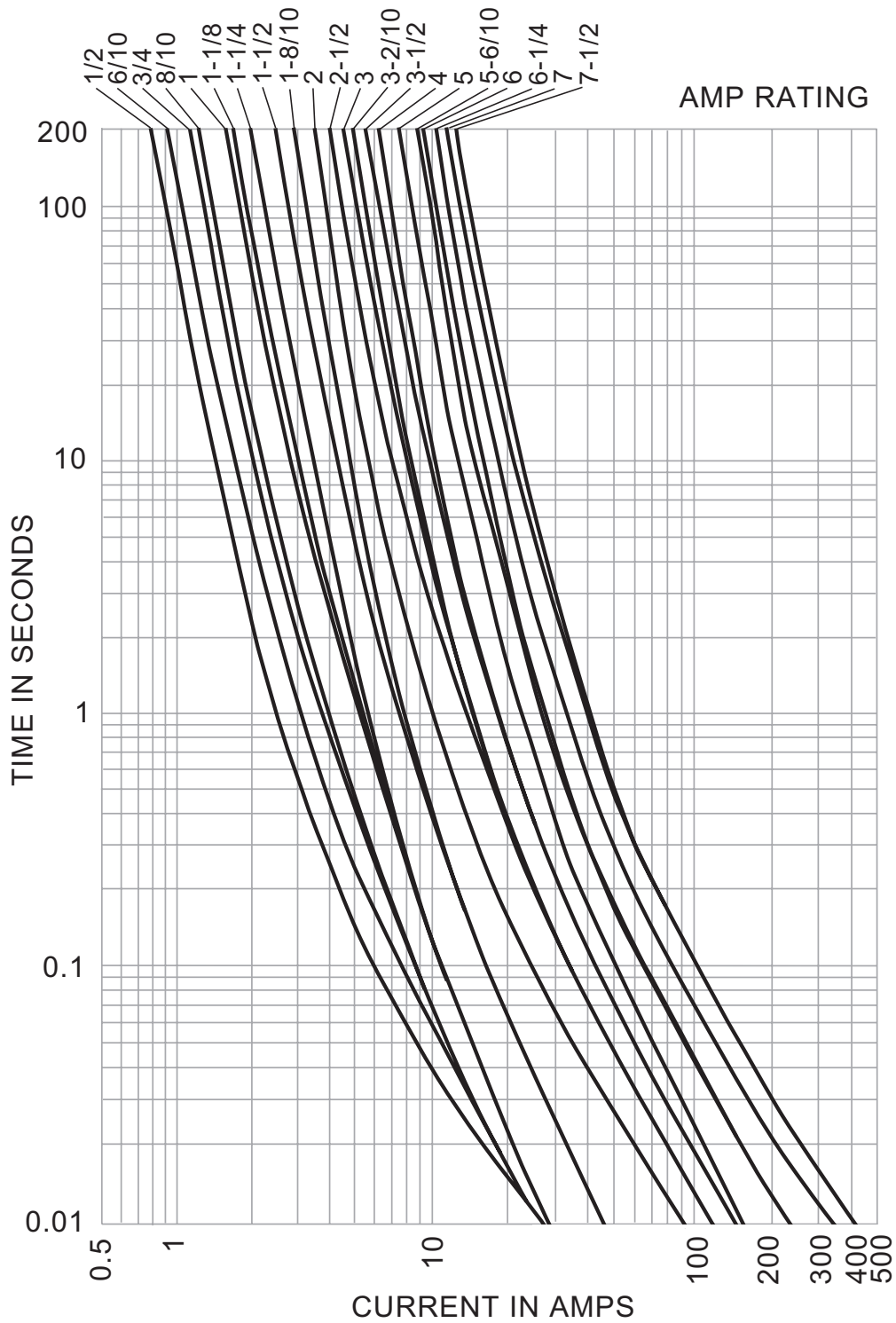
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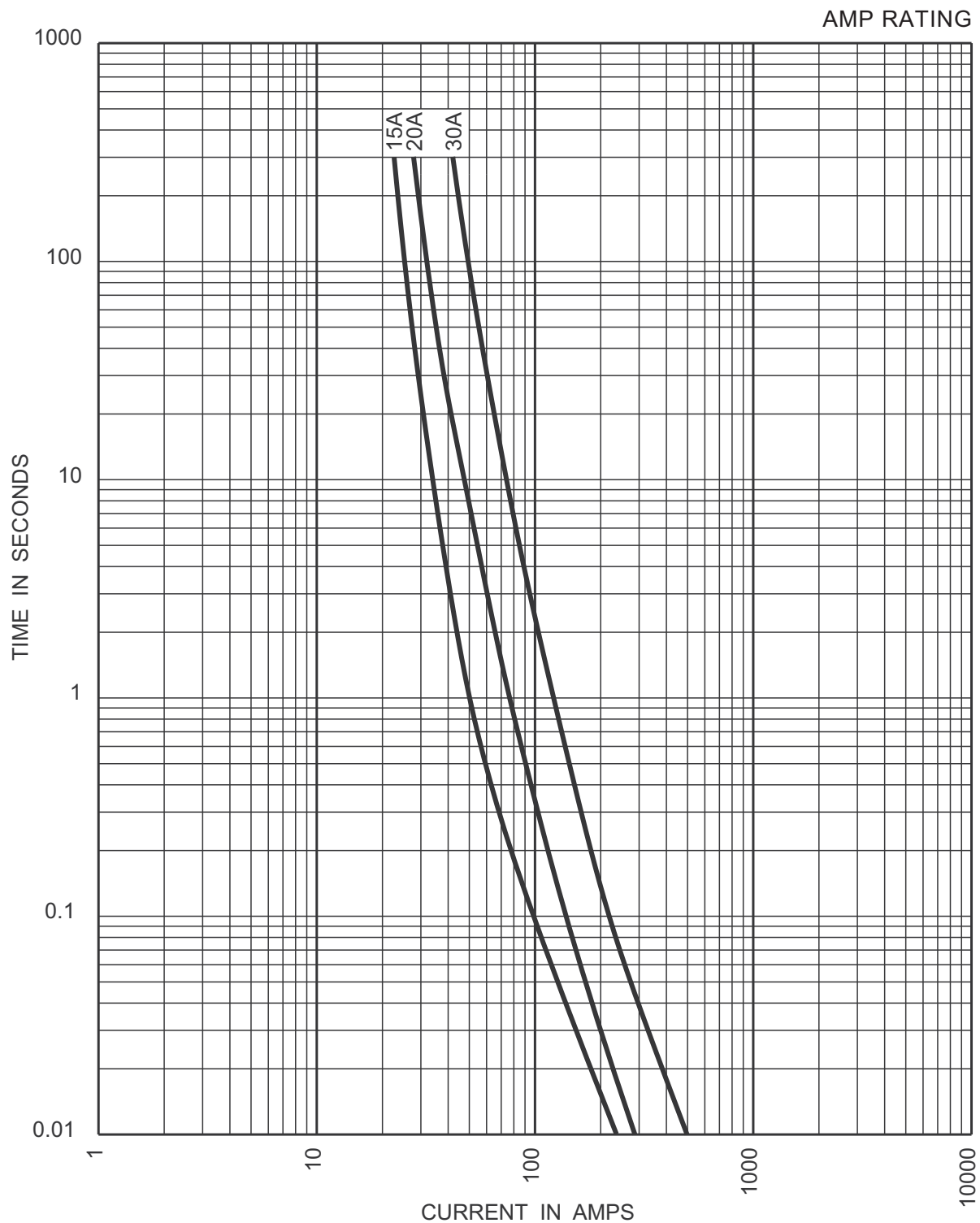
Time-Current Curves - Average Melt

½ to 7½ Amps



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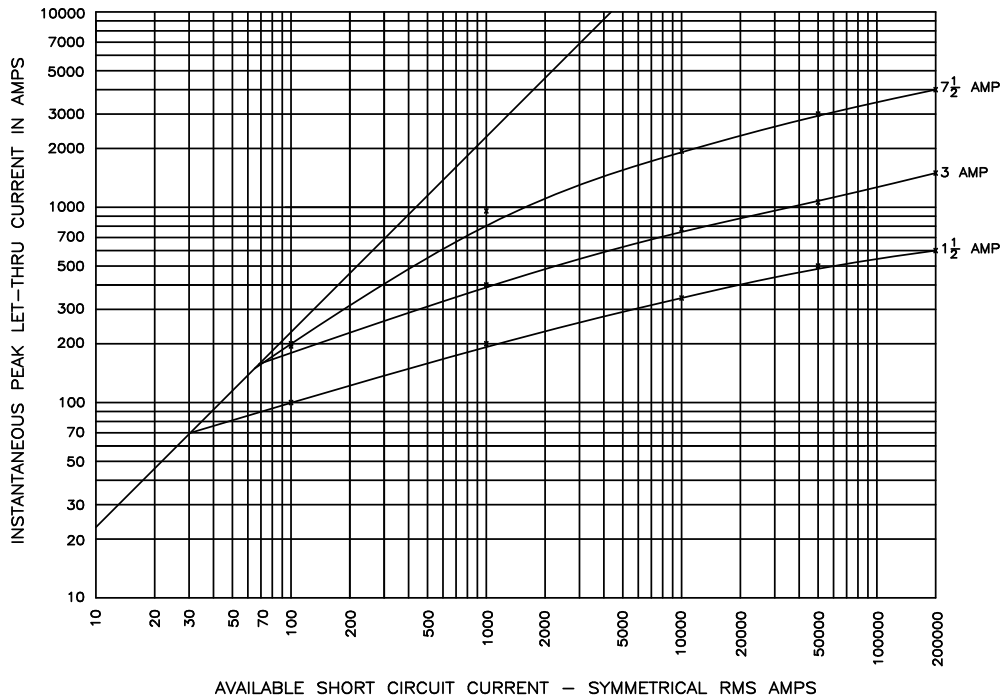
Time-Current Curves - Average Melt
15 to 30 Amps



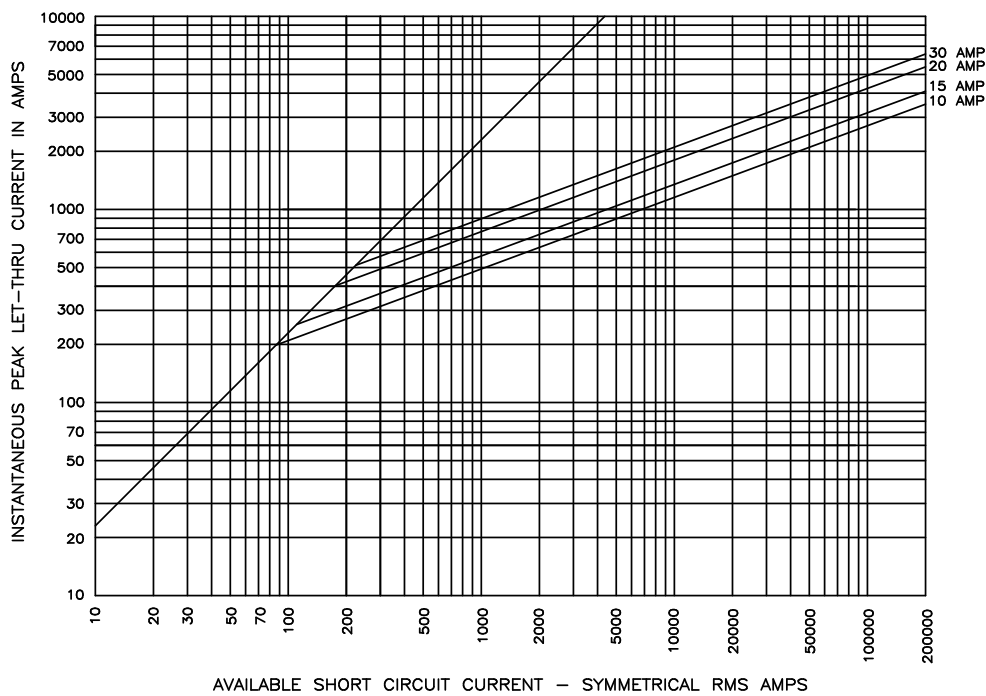
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Current-Limitation Curves

1-½ to 7-½ Amps



10 to 30 Amps



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