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-3/10
- FNQ-R-4/10
- FNQ-R-6/10
- FNQ-R-3/4
- FNQ-R-8/10
- FNQ-R-1-1/4
- FNQ-R-9
- FNQ-R-4
- FNQ-R-4-1/2
- FNQ-R-5
- FNQ-R-17-1/2
- FNQ-R-2
- FNQ-R-5-8/10
- FNQ-R-6
- FNQ-R-20
- FNQ-R-2-1/4
- FNQ-R-6-1/4
- FNQ-R-25
- FNQ-R-2-8/10
- FNQ-R-7
- FNQ-R-30
- FNQ-R-1-1/2
- FNQ-R-3
- FNQ-R-7-1/2
- FNQ-R-1-6/10
- FNQ-R-4-1/2
- FNQ-R-10
- FNQ-R-1-3/10
- FNQ-R-3-2/10
- FNQ-R-15
- FNQ-R-1-4/10
- FNQ-R-4-4/10
- FNQ-R-1-8/10
- FNQ-R-6
- FNQ-R-12
- FNQ-R-1-5
- FNQ-R-100
- FNQ-R-1-1/8
- FNQ-R-3-1/2
- FNQ-R-11
- FNQ-R-1-8/10
- FNQ-R-1-9/10
- FNQ-R-5
- FNQ-R-17

Carton quantity:

<table>
<thead>
<tr>
<th>Amp rating</th>
<th>Carton qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4-30</td>
<td>10</td>
</tr>
</tbody>
</table>

Dimensions - in:

1.5” (± 0.031) (38.1mm)

0.41” (± 0.005) (10.3mm)

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 Limtron 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:**

<table>
<thead>
<tr>
<th>Fuse amps</th>
<th>1-Pole</th>
<th>2-Pole</th>
<th>3-Pole</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-30</td>
<td>BCM603-1_</td>
<td>BCM603-2_</td>
<td>BCM603-3_</td>
</tr>
<tr>
<td></td>
<td>CHCC1D_</td>
<td>CHCC2D_</td>
<td>CHCC3D_</td>
</tr>
<tr>
<td>0-30</td>
<td>—</td>
<td>—</td>
<td>OPM-NG_</td>
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<tr>
<td></td>
<td>—</td>
<td>—</td>
<td>OPM-1038_</td>
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<tr>
<td></td>
<td>—</td>
<td>—</td>
<td>OPM-1038_SW</td>
</tr>
<tr>
<td>0-30</td>
<td>HPS</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>HPF</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>0-30</td>
<td>—</td>
<td>HEY</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>—</td>
<td>HEZ</td>
<td>—</td>
</tr>
</tbody>
</table>

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**

![Graph showing time-current curves for LIMITRON™ FNQ-R Class CC 600Vac, 1/4-30A, time-delay fuses.](image-url)
Current-limitation curves:
1-1/2 to 7-1/2 amps
Current-limitation curves:
10 to 30 amps

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<table>
<thead>
<tr>
<th>Eaton:</th>
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</thead>
<tbody>
<tr>
<td>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-6/10 FNQ-R-10 FNQ-R-7-1/2</td>
</tr>
<tr>
<td>FNQ-R-30 FNQ-R-20 FNQ-R-1-6/10 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</td>
</tr>
<tr>
<td>FNQ-R-2-1/2 FNQ-R-3 FNQ-R-1-1/8 FNQ-R-5 FNQ-R-1-1/4 FNQ-R-1-3/10 FNQ-R-15 FNQ-R-1 FNQ-R-1-1/2 BK/FNQ-R-1</td>
</tr>
<tr>
<td>BK/FNQ-R-1 BK/FNQ-R-1-1/4 BK/FNQ-R-1/2 BK/FNQ-R-1/4 BK/FNQ-R-1-6/10 FNQ-R-2-R1 FNQ-R-3/4-R1 FNQ-R-4-R1</td>
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