AMP-TRAP®

A240R/A480R/A072F/A072B

MED. VOLTAGE FUSES/R-RATED

Applications:

R-RATED MOTOR STARTER FUSES
Amp-trap® R-rated fuses are current-limiting, high interrupting rating fuses intended for the short-circuit protection of medium voltage motors and motor controllers. R-rated fuses are back up fuses that have a minimum interrupting rating, and must be coordinated with overload relays in combination motor starters. The motor starter manufacturer generally specifies the R-rated fuse size. Amp-trap® R-rated fuses are rated 2R to 36R, at 2.4, 4.8, and 7.2kV. 4.8 and 7.2kV fuses are UL Recognized. The 4.8kV (A480R) is available with hookeye tab. The 7.2kV (A072F) series has the same dimensions as the 4.8kV (A480R), allowing smaller 7.2kV equipment or 4.8kV upgrades, and is available as a bolt in version.

Features/Benefits

➤ Ferrule mounting for standard clips and interchangeability with other brands of fuses
➤ 7.2kV series has the same dimensions as 4.8kV fuses, allowing compact, higher voltage rated designs
➤ 7.2kV bolt-in design is available for improved design flexibility
➤ Optional hookeye on 4.8kV for non load-break isolation by hookstick

DEFINITIONS:

R-Rating:
An “R” rated fuse will melt in the range of 15 to 35 seconds at a value of current equal to 100 times the “R” rating.

Back-up type Current-Limiting Fuse:
A current limiting fuse which can interrupt any current between its rated minimum interrupting current and its maximum interrupting current. Backup fuses are not designed or intended to open under overload conditions.

Spring-Reinforced Clips
228-700-530 (One pair of clips)
For 3” Diameter, 2 barrels max.

Ratings

➤ A240R
  AC: 1R to 36R
  2750V, 65kA I.R. Sym.
➤ A480R
  AC: 2R to 36R
  5500V, 63kA I.R. Sym.
➤ A072F, A072B
  AC: 2R to 24R

Approvals

➤ UL Recognized
  Component A240R @ 2600V, 65kA, Sym.
  A480R @ 5080V, 50kA, Sym.
  A072 @ 7200V, 50kA, Sym.
  UL File #E93367
# AMP-TRAP®

## A480R

**4.8kV Ferrule Style**

Blown Fuse Indicator

2Lb. Force (Tripped)

Blown Fuse Indicator

(25.4)

Catalog Numbering System, Ratings, Dimensions, 4.8kV

<table>
<thead>
<tr>
<th>FIG.</th>
<th>CATALOG NUMBER</th>
<th>SIZE</th>
<th>CONTINUOUS AMPERE RATING at 40°C</th>
<th>DIM. L</th>
<th>MINIMUM INTERRUPTING RATING</th>
<th>1 PHASE INTERRUPTING RATING</th>
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<tbody>
<tr>
<td></td>
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<td>RMS AMPERES</td>
<td>UL COMPONENT RECOGNITION</td>
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<td>RMS Asym</td>
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<tr>
<td>A</td>
<td>A480R2R-1</td>
<td>2R</td>
<td>70</td>
<td>15-7/8 (403mm)</td>
<td>190</td>
<td>80kA</td>
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<tr>
<td></td>
<td>A480R3R-1</td>
<td>3R</td>
<td>100</td>
<td>225</td>
<td>30kA</td>
<td>100kA</td>
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<td></td>
<td>A480R4R-1</td>
<td>4R</td>
<td>130</td>
<td>330</td>
<td>40kA</td>
<td>500V</td>
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<td>A480R5R-1</td>
<td>5R</td>
<td>150</td>
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<td>500V</td>
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<td></td>
<td>A480R6R-1</td>
<td>6R</td>
<td>170</td>
<td>500</td>
<td>700V</td>
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<td>A480R9R-1</td>
<td>9R</td>
<td>200</td>
<td>740</td>
<td>950V</td>
<td>950V</td>
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<tr>
<td></td>
<td>A480R12R-1</td>
<td>12R</td>
<td>230</td>
<td>1440</td>
<td>1910</td>
<td>1910</td>
</tr>
<tr>
<td>B</td>
<td>A480R18R-1</td>
<td>18R</td>
<td>390</td>
<td>450</td>
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<td>2810</td>
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<td>450</td>
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<td>C</td>
<td>A480R36R-1</td>
<td>36R</td>
<td>650</td>
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**A480R-1 with hookeye**

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<td>RMS Asym</td>
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<tr>
<td>A</td>
<td>A480R2R-1-HE</td>
<td>2R</td>
<td>70</td>
<td>16-1/8 (410mm)</td>
<td>190</td>
<td>80kA</td>
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<tr>
<td></td>
<td>A480R3R-1-HE</td>
<td>3R</td>
<td>100</td>
<td>225</td>
<td>30kA</td>
<td>100kA</td>
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<tr>
<td></td>
<td>A480R4R-1-HE</td>
<td>4R</td>
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<td>330</td>
<td>40kA</td>
<td>500V</td>
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<tr>
<td></td>
<td>A480R5R-1-HE</td>
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<td>400</td>
<td>500V</td>
<td>500V</td>
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<td>A480R6R-1-HE</td>
<td>6R</td>
<td>170</td>
<td>500</td>
<td>700V</td>
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<td>A480R9R-1-HE</td>
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<td>200</td>
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<td>24R</td>
<td>450</td>
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* This rating defines the fuse’s long-term thermal capability per ANSI C37 46-1981 and should not be the sole factor for selecting a specific R rating.

** Not recommended for use in fuse clips which grasp only one barrel.
AMP-TRAP®
A480R
MEDIUM VOLTAGE FUSES/R-RATED

A480R-1, A480R-1HE, 4800 Volts

Total Clearing Time – Current Data, 4.8kV Fuses

Time in Seconds

Current in Amperes

A480R-1, A480R-1HE, 4800 Volts

Minimum Melting Time – Current Data, 4.8kV Fuses

Time in Seconds

Current in Amperes

A480R-1 and A480R-1HE, 4800 Volts

Peak Let-Thru Current Data, R-Rated Fuses

Maximum Instantaneous Peak Let-Thru Amperes

Available Current in RMS Symmetrical Amperes

36R
24R
18R
12R
9R
6R
5R
4R
3R
2R

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