DESCRIPTION
The AM/R hydraulic-magnetic circuit breaker has been designed to meet the most rigorous international standards of EN 60947-2. This is in accordance with the CE low voltage directive. The new design incorporates larger internal component spacing while maintaining form, fit, and function interchangeability with the older AM, AM/S, and NAM/S models.

New and Improved features:
• 8mm spacing between operator and any other conductive surface.
• Dielectric withstand — 3750V AC.
• 3mm minimum contact spacing for a main disconnect.
• Higher current interrupting rating for branch circuit protection.
• Higher DC voltage rating for telecom applications.
• Available up to 8 poles to allow for special applications.
• Various termination options for custom design applications: stud, screw, fuse clip and plug-in type.
• Plug-in terminals facilitate easier installation and removal of unit without special tools.
• Tamper-proof terminals.
• Custom marked handles and colors available.

The AM/R also offers these key features found in previous models:
• Meets international standards in one package.
• Trip free feature helps prevent the circuit breaker from being held in the ON position during an overload.
• Common trip on multiple breakers.
• Self-cleaning contacts.
• Mid-trip alarm switch.

The Power of Reliability
# HEINEMANN® AM/R Series Circuit Breakers

## Series AM/R

**HOW TO ORDER**

To determine your Complete Catalog Number, start with Series Prefix AM and add the appropriate Code Letters and/or Numbers as in the example below. Any part number with greater than 25 digits including dashes will be shipped with a factory-assigned part number.

### SELECTION TABLE

<table>
<thead>
<tr>
<th>Series Prefix</th>
<th>Pole</th>
<th>Series Suffix</th>
<th>Frequency</th>
<th>Internal Circuit</th>
<th>Handle Location</th>
<th>Code Letters &amp; Marking</th>
<th>Mounting &amp; Terminals</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM 2 R – A 9 A 9 – L C 15</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Configurations greater than four poles must be "without" UL in Step 9.

### Other circuits available. Please consult Customer Service Center.

### Other colors available. Please contact Customer Service Center.

### Standard execution.

### 50A max for UL-Approval. VDE Pending.

### Eaton 1792 AM/R .KL copy 10/16/00 10:18 AM Page 3
### Worldwide Approvals

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
<th>UL/CSA Approval</th>
<th>Max. Ratings</th>
<th>Max. Voltage</th>
<th>Frequency</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Without Standard</td>
<td>D</td>
<td>UL 1077</td>
<td>100 A</td>
<td>220 V</td>
<td>50/60 Hz</td>
<td>A</td>
</tr>
<tr>
<td>Withhead</td>
<td>W</td>
<td>UL 1077</td>
<td>100 A</td>
<td>220 V</td>
<td>50/60 Hz</td>
<td>RU</td>
</tr>
<tr>
<td>UCE &amp; CE in conf. with IEC 950</td>
<td>M</td>
<td>UL 1077</td>
<td>100 A</td>
<td>220 V</td>
<td>50/60 Hz</td>
<td>L</td>
</tr>
<tr>
<td>Meets IEC 950 electrical spacing requirements</td>
<td>W</td>
<td>UL 1077</td>
<td>100 A</td>
<td>220 V</td>
<td>50/60 Hz</td>
<td>A</td>
</tr>
<tr>
<td>TUV approved and CE marked.</td>
<td>T</td>
<td>UL 489</td>
<td>100 A</td>
<td>125 V</td>
<td>DC</td>
<td>C</td>
</tr>
</tbody>
</table>

### Auxiliary Switch

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
<th>UL/CSA</th>
<th>Function</th>
<th>Contacts</th>
<th>Terminals</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO-NC</td>
<td>52</td>
<td>A</td>
<td>AgAuPt</td>
<td>4.8 Fast-on</td>
<td>4.8 Fast-on</td>
</tr>
</tbody>
</table>

### Current Ratings

<table>
<thead>
<tr>
<th>Ampere</th>
<th>07</th>
<th>11</th>
<th>220</th>
</tr>
</thead>
</table>

### UL-CSA Approval

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
<th>UL/CSA</th>
<th>Max. Ratings</th>
<th>Max. Voltage</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>UL 1077</td>
<td>100 A</td>
<td>220 V</td>
<td>50/60 Hz</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>UL 1077</td>
<td>100 A</td>
<td>220 V</td>
<td>50/60 Hz</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>UL 1077</td>
<td>100 A</td>
<td>125 V</td>
<td>DC</td>
<td></td>
</tr>
</tbody>
</table>

### Time Delay Curves

<table>
<thead>
<tr>
<th>Inrush Level</th>
<th>Time Delay</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 X Long</td>
<td>50/60 Hz</td>
<td>DC</td>
</tr>
<tr>
<td>50/60 Hz</td>
<td>DC</td>
<td></td>
</tr>
<tr>
<td>18 X Long</td>
<td>50/60 Hz</td>
<td>DC</td>
</tr>
<tr>
<td>50/60 Hz</td>
<td>DC</td>
<td></td>
</tr>
<tr>
<td>25 X Long</td>
<td>50/60 Hz</td>
<td>DC</td>
</tr>
<tr>
<td>50/60 Hz</td>
<td>DC</td>
<td></td>
</tr>
</tbody>
</table>

### Current Ratings

<table>
<thead>
<tr>
<th>Ampere</th>
<th>07</th>
<th>220</th>
</tr>
</thead>
</table>

Complete Part Number: AM2R-A9A-LC15D-A52-12R5-4

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1. VDE approved pending / Only applicable with Internal Circuits Code: 02, 03, 05, 08, 09, 10, 11, 13, 15, 16, 19, 23, 25, 32, 33, 38, 39 and 46.
2. AD code is only available with a 2-pole execution minimum and AB code with a 3-pole execution minimum.
3. Step 10 is only required if breaker has auxiliary switch. If auxiliary switch is not required, omit Step 10.
4. Other auxiliary switches available. Please contact Customer Service Center.
5. All ratings between 0.03 A and 1250 V are available. Consult Customer Service Center for availability and delivery time. A value less than 1 A requires the character "R" in place of the decimal point when ordering. For example, 2.5 A would be specified as 2R5 in the part number.
Heinemann® AM/R Series
Circuit Breakers

APPLICATIONS
• Cellular Telecom Sites.
• AC/DC Distribution Panel.
• Battery Disconnects.
• Data Processing Equipment.
• Marine.
• Humid Environments.

SPECIFICATIONS
Number of Poles: 1 to 8
Current Ratings: 0.020 – 100A (ac and dc).
Maximum Voltage:
250V, 50/60 Hz or 400Hz.
480V, 50/60 Hz 3-phase Y.
80-125V dc.

Interrupting Capacity:
10,000A (120V ac/80V dc).
5000A @ 250V ac with backup fusing.

Agency Recognition or Approval:
UL Listed (Std. UL489).
UL Recognized (Std. 1077).
UL 1500.
CSA certified.
VDE (0660T101) (pending).
TUV (EN 60947-2).

DIMENSIONS
APPROXIMATE IN MM (INCHES)

Typical AM/R Breaker