GENERAL:
ECI breakers are available as “Standard Class” units, having fixed length top leads without terminals, and “Custom Class” units, which allow variation of the top lead length and terminal hole size. The breaker classes are described below.

STANDARD CLASS BREAKERS:
- Catalog Number 7561ZF--99.
- Types:
  - AHT-1 (T-1), Thermal trip control.
  - T-12, Thermal and Magnetic trip control.
- Styles:
  - Without Light Switch and Without Emergency Overload.
  - With Light Switch and With Emergency Overload.
- Includes wire and spring (if required).
- Lower Leads: (braided copper with terminal).
  - Length is from edge of contact bar to center line of terminal hole.
- Upper Leads:
  - Braided copper without terminal:
    - Length is measured from restraining staple to the end of the lead.
  - Braided copper with terminal:
    - Length is from restraining staple to center line of terminal hole.
  - Leads do not have connection identification.
  - Leads do not have paper insulation sleeve.
- Standard or Catalog Pricing.

CUSTOM BREAKERS:
- Catalog Number 7561ZJ--99, 7561ZK--99, 7561ZM--99 or 7561ZP--99.
- All breaker features are same as STANDARD BREAKERS except the upper lead length.
- Upper lead is combination of copper braid and copper strap.
  - Length of copper braid is 6.5 inches.
  - Additional lead length is 0.050 inch thick by 1.0 inch wide copper strap welded to the copper braid. Units with single braided lead have a single strap welded to the lead. Units, 10 and 15 kVA, with two braided leads have both leads welded to a single strap. Units 25 kVA and higher with two braided leads have a strap welded to each lead.
  - Lead lengths are available in one inch increments from 8.00 inches to 25.00 inches from the restraining staple to the center line of the connection hole.
  - Copper strap has 0.406 or 0.531 inch diameter connection hole.
  - Copper strap is embossed with “A” and “D” connection identification letters.
- Upper leads are provided with paper insulation sleeve.
- Priced by quotation based on Standard Breaker price and specific lead lengths.
# ECI Circuit Breakers for Distribution Transformers

## Catalog Number and Feature Table

### Standard Breakers - Without Light Switch and Emergency Overload

<table>
<thead>
<tr>
<th>Transformer kVA</th>
<th>Catalog No.</th>
<th>Identification Stamp (ink)</th>
<th>O/L Dwg. No.</th>
<th>Ampere Rating</th>
<th>Lower Lead Length (in.)</th>
<th>Top Leads</th>
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<tbody>
<tr>
<td>120/240 volt secondary</td>
<td>240/480 volt secondary</td>
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**TYPE AHT-1 (T-1) – THERMAL TRIP ONLY**

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**TYPE T-12 – THERMAL AND MAGNETIC TRIP**

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</table>

* Upper leads have terminals with 0.281 diameter hole.

** Individual wires 0.005 inch diameter.

- Upper leads do not have terminal or insulating tubes unless noted by *.
- Lower leads have terminal with 0.281 diameter hole.
- Lower leads do not have insulating tubes.
- Custom breakers with varying top lead lengths are available. See page A1-2 for Custom Breaker description and limitations.
<table>
<thead>
<tr>
<th>Transformer kVA</th>
<th>Catalog No.</th>
<th>Identification Stamp (ink)</th>
<th>O/L Dwg. Breaker</th>
<th>Ampere Rating</th>
<th>Lower Lead Length (in.)</th>
<th>Top Leads</th>
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**TYPE AHT-1 (T-1) – THERMAL TRIP ONLY**

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**TYPE T-12 – THERMAL AND MAGNETIC TRIP**

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</table>

* Upper leads have terminals with 0.281 diameter hole.
** Individual wires 0.005 inch diameter.

(A) Was catalog number 7561ZG6099 prior to November 1988.

- Upper leads do not have terminal or insulating tubes unless noted by *.
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- Lower leads do not have insulating tubes.
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