



CATALOG OF ECI CIRCUIT BREAKERS

ECI breakers are available in two types:

1. "Standard Class" units, having fixed length top leads without terminals,
2. "Custom Class" units, which allow variation of the top lead and length and terminal hole size.

The breaker classes are described below.

STANDARD CLASS BREAKERS

Catalog Number 7561ZF —99

TYPES	<ul style="list-style-type: none"> • AHT-1 (T-1) Thermal Trip Control • T-12 Thermal & Magnetic Trip Control
STYLES	<ul style="list-style-type: none"> • No Light Switch or Emergency Overload • Light Switch & Emergency Overload Included
LOWER LEADS (Braided Copper w/ Terminal)	<ul style="list-style-type: none"> • Length is from edge of contact bar to center line of terminal hole.
UPPER LEADS	<ul style="list-style-type: none"> • Braided Copper without Terminal: Length measures from restraining staple to the end of the lead. • Braided Copper WITH Terminal: Length measures 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, 7651ZM—99, 7561ZP—99

All breaker features are same as STANDARD BREAKERS except the upper lead length.

Upper Lead is combo of copper braid and copper strap.	<ul style="list-style-type: none"> • Copper braid length - 6.5 inches • Additional lead length is 0.050 inches thick by 1.0 inches 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.
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Upper leads are provided with paper insulation sleeve.

Priced by quotation based on Standard Breaker price and specific lead lengths.

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ERMCO COMPONENTS, INC | 1607 Industrial Road | Greeneville, TN 37745 | 877-267-1855



**CATALOG NUMBER AND FEATURE TABLE
STANDARD BREAKERS - NO LIGHT SWITCH / NO EMERGENCY OVERLOAD**

TRANSFORMER kVA		CATALOG #	ID STAMP (ink) DWG. NO	O/L DWG. BREAKER	AMPERE RATING	LOWER LEAD LENGTH (in.)	TOP LEADS			
120/240V secondary	240/480V Secondary	7561	2501K	2551J102			# LEADS	LEAD SIZE**	LENGTH "L" (in.)	O/L DWG LEADS
TYPE AHT-1 (T-1) THERMAL TRIP ONLY										
5	10	ZF3299	212G01	FIG 02	21	2.1	1	7/150	6.50	FIG 08
7.5	15	ZF3399	212G02	FIG 02	31	2.1	1	7/150	6.50	FIG 08
10		ZF3499	212G03	FIG 02	42	2.1	2	7/150	6.50	FIG 08
15		ZF3599	212G04	FIG 02	63	2.1	2	7/150	6.50	FIG 08
25	50	ZF3699	212G05	FIG 02	104	2.1	2	7/7/37	6.50	FIG 08
	25	ZF5199	212G06	FIG 02	52	2.1	2	7/150	6.50	FIG 08
	37.5	ZF5299	212G07	FIG 02	78	2.1	2	7/150	6.50	FIG 08
TYPE T-12 THERMAL & MAGNETIC TRIP										
25	50	ZF8799	213G06	FIG 04	104	2.1	2	7/7/37	6.50	FIG 08
25	50	ZF9799	213G03	FIG 04	104	2.1	2	7/7/37	1.70*	FIG 07
37.5	75	ZF8399	213G04	FIG 06	156	4.1	2	7/7/37	6.50	FIG 08
37.5	75	ZF9399	213G01	FIG 06	156	4.1	2	7/7/37	1.70*	FIG 07
50	100	ZF8499	213G05	FIG 06	208	4.1	2	7/7/37	6.50	FIG 08
50	100	ZF9499	213G02	FIG 06	208	4.1	2	7/7/37	1.70*	FIG 07
25	50	ZF8799	213G06	FIG 04	104	2.1	2	7/7/37	6.50	FIG 08
25	50	ZF9799	213G03	FIG 04	104	2.1	2	7/7/37	1.70*	FIG 07
37.5	75	ZF8399	213G04	FIG 06	156	4.1	2	7/7/37	6.50	FIG 08
37.5	75	ZF9399	213G01	FIG 06	156	4.1	2	7/7/37	1.70*	FIG 07
50	100	ZF8499	213G05	FIG 06	208	4.1	2	7/7/37	6.50	FIG 08
50	100	ZF9499	213G02	FIG 06	208	4.1	2	7/7/37	1.70*	FIG 07

*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 first page for Customer Breaker descriptions and limitations.

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TRANSFORMER kVA		CATALOG #	ID STAMP (ink) DWG. NO	O/L DWG. BREAKER	AMPERE RATING	LOWER LEAD LENGTH (in.)	TOP LEADS			
120/240V secondary	240/480V Secondary	7561	2501K	2551J102			# LEADS	LEAD SIZE**	LENGTH "L" (in.)	O/L DWG LEADS
TYPE AHT-1 (T-1) THERMAL TRIP ONLY										
5	10	ZF4499	182G01	FIG 01	21	2.1	1	7/150	6.50	FIG 08
7.5	15	ZF4599	182G02	FIG 01	31	2.1	1	7/150	6.50	FIG 08
10		ZF4699	182G03	FIG 01	42	2.1	2	7/150	6.50	FIG 08
15		ZF4799	182G04	FIG 01	63	2.1	2	7/150	6.50	FIG 08
25	50	ZF4899	182G05	FIG 01	104	2.1	2	7/7/37	6.50	FIG 08
	25	ZF5999	182G06	FIG 01	52	2.1	2	7/150	6.50	FIG 08
	37.5	ZF6099	182G07	FIG 01	78	2.1	2	7/150	6.50	FIG 08
TYPE T-12 THERMAL & MAGNETIC TRIP										
25 (A) 25	50 50	ZF8899 ZF9899	185G06 185G03	FIG 03 FIG 03	104 104	2.1 2.1	2 2	7/7/37 7/7/37	6.50 1.70*	FIG 08 FIG 07
37.5 37.5	75 75	ZF8599 ZF9599	185G04 185G01	FIG 05 FIG 05	156 156	4.1 4.1	2 2	7/7/37 7/7/37	6.50 1.70*	FIG 08 FIG 07
50 50	100 100	ZF8699 ZF9699	185G05 185G02	FIG 05 FIG 05	208 208	4.1 4.1	2 2	7/7/37 7/7/37	6.50 1.70*	FIG 08 FIG 07

*Upper leads have terminals with 0.281 diameter hole.

** Individual wires 0.005 inch diameter.

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

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- Lower leads have terminal with 0.281 diameter hole.
- Lower leads do not have insulating tubes.
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