



# 3TC7 Series

Single Phase, Non Ambient Compensated, High Short Circuit Interrupting Capacity

## Features

- Lightweight
- Miniature size
- High interrupting capacity
- High vibration resistance
- MIL-C-5809 (MS25244)
- Available in 5-35 amperes



## Overview

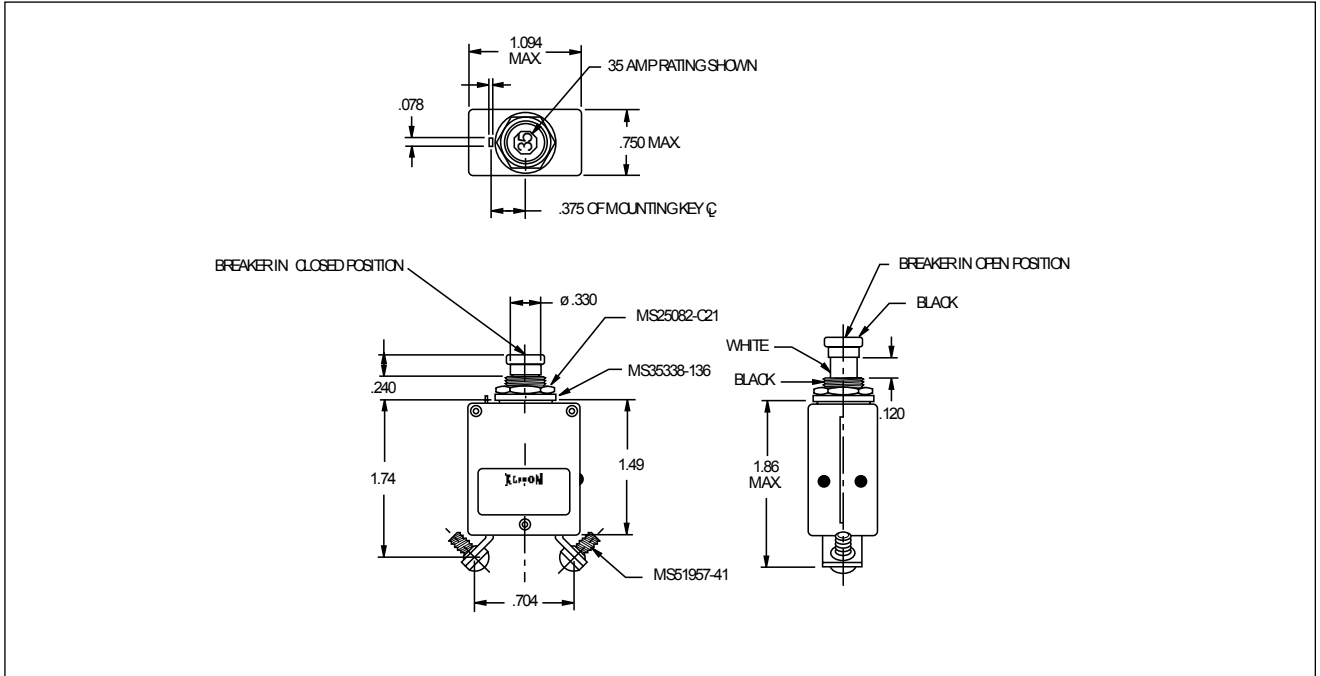
The Klixon 3TC7 style circuit breaker is a lightweight, high performance, non ambient temperature compensated circuit breaker that is well suited for aircraft, avionics and electrical systems. The 3TC7 series features a trip free design that prevents the circuit breaker from being closed manually on overloads. The 3TC7 interrupting a 6,000A circuit at 30 VDC, or 3,500A circuit at 120 VAC, 400 Hz.

The Klixon trademark continues to set the standard for lightweight configurations and offers the endurance and reliability required by exacting military specifications. The 3TC7 is currently available in 5-35 amperes.

## Detailed Performance Data

Interrupting Capacity	6000 Amperes at 30VC	3500 Amperes at 120 VAC, 400 Hz
Endurance	120 VAC, 400 Hz Inductive 120 VAC, 400 Hz Resistive 30 VDC, Inductive 30 VDC, Resistive Mechanical, no load	2,500 Cycles 5,000 Cycles 2,500 Cycles 5,000 Cycles 5,000 Cycles
Vibration	10 Gs	
Mechanical Shock	30 Gs peak	
Acceleration	10 Gs	
Weight	39 gm	
Operating Altitude	65,000 ft	

TI Number	MS Number	Amp Rating	Voltage Drop
3TC7-5	MS25244-5	5	.25
3TC7-7½	MS25244-7½	7½	.25
3TC7-10	MS25244-10	10	.25
3TC7-15	MS25244-15	15	.25
3TC7-20	MS25244-20	20	.25
3TC7-25	MS25244-25	25	.25
3TC7-30	MS25244-30	30	.25
3TC7-35	MS25244-35	35	.25



Calibration	Min Ult Trip	Max Ult Trip	200%	400%	600%
+25°C	115%	138%	15 - 55 sec	2.0 - 7.0 sec	1.0 - 3.5 sec
-40°C	148%	178%	-	-	-
+71°C	70%	114%	-	-	-

Approximate Time-Current Curve 3TC7 Circuit Breakers

