



KLIXON® | 15TC SERIES

20 to 50 Amp, Three-Phase Aircraft Circuit Breakers

FEATURES

- 28VDC or 120VAC, 20 to 50 Amps
- High vibration resistance and interrupt capacity
- Non-ambient temperature compensated
- Trip-free design

ADDITIONAL OPTIONS*

- Longer push buttons
- Auxiliary switch - male or female contacts available
- Terminal barriers

DESCRIPTION

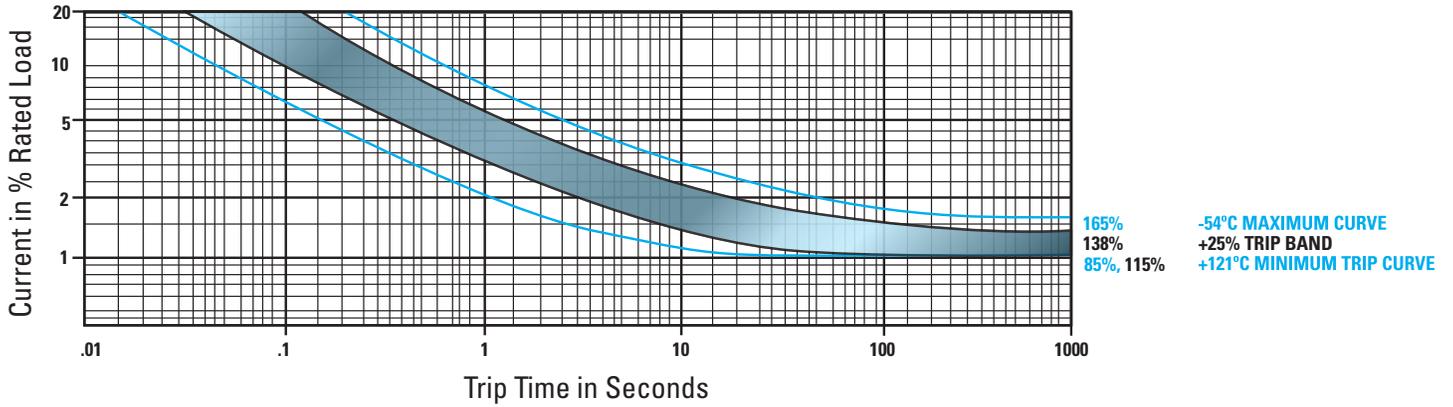
The Klixon® three-phase 15TC series circuit breaker was designed to meet the package size and performance requirements of inactive military standard MS90351 in the 20 to 50 amp range. This lightweight, high performance, non-ambient temperature compensated circuit breaker is well suited for aircraft, avionics and electrical systems.

PERFORMANCE CHARACTERISTICS	
Calibration : 200% rated current, 73°F (23°C)	15TC: 20A to 50A for 10 to 70 seconds
Ultimate Trip at 73°F (23°C)	Must hold : 110% Must trip : 145%
Endurance	2,500 cycles : 115 VAC, 400 Hz Inductive 5,000 cycles : Mechanical, no load
Interrupt Current Capacity	20 to 50 amps: 4000 amps at 28 VDC 20 to 50 amps: 2000 amps at 115 VAC, 400 Hz
Vibration Resistance**	3G minimum, 2000 Hz
Mechanical Shock Resistance	50G
Weight	127 grams (std) 132 grams (auxiliary)

ORDERING INFORMATION
Sensata PN
15TC20-XX
15TC30-XX
15TC35-XX
15TC40-XX
15TC45-XX
15TC50-XX

** Other vibration levels available, contact factory for details

TRIP CURVE - Approximate Time, Current Characteristics at 73°F (23°C)



MAX VOLTAGE DROP @ NOMINAL RATED CURRENT		CALIBRATION : 20 TO 50 AMPS					
Part Number	Max Voltage Drop	TEMP °C	MIN ULT TRIP	MAX ULT TRIP	Trip Time in Seconds		
					200%	500%	1000%
15TCXX	0.30	+23	110%	145%	10 to 70	.15 to 5.2	.05 to 1.3
		-55	105%	145%	10 to 70	.15 to 5.2	.05 to 1.3
		+70	110%	165%	10 to 70	.15 to 5.2	.05 to 1.3

DIMENSIONAL DRAWINGS - 15TC30

