

6752-300 SERIES

2½–90 Amp, 3–Phase, Ambient Compensated

Introduction

Klixon® 6752-300 series thermal–magnetic circuit breakers are designed and manufactured to meet more stringent military standards of today’s jet aircraft electrical systems. The higher interrupting capacity, vibration resistance and longer cycling life exceeds previous military standards.



Features

- Proven reliability and performance of the 6752 series circuit breaker
- Current rating: 2.5–90 amps
- High amp devices available: 65A and 90A
- Circuit protection unaffected by temperature fluctuations
- Trip–free design
- High vibration resistance
- High interrupting capacity
- Only faulted line circuits opened: coordination ratings insures that branch circuit breakers trip first under fault conditions
- Ambient compensation
- Fault coordination of all ratings
- Long trouble–free operation: 20,000 operating cycles
- Typical use: Jet aircraft electrical systems, military

PERFORMANCE CHARACTERISTICS

Vibrations	10G minimum, 50–2,000 Hz (other vibration levels available)
Mechanical Shock	25G
Acceleration	10G
Weight	292 grams
Interrupt Current	2.5–50 amps: 6,000 amps at 120 VAC, 400 Hz 2.5–50 amps: 4,200 amps at 120 VAC, 400 Hz
Endurance	5,000 cycles: 120 VAC 400 Hz, inductive 5,000 cycles: 120 VAC 400 Hz, resistive 10,000 cycles: Mechanical, no load Total: 20,000 cycles



CALIBRATION CHART

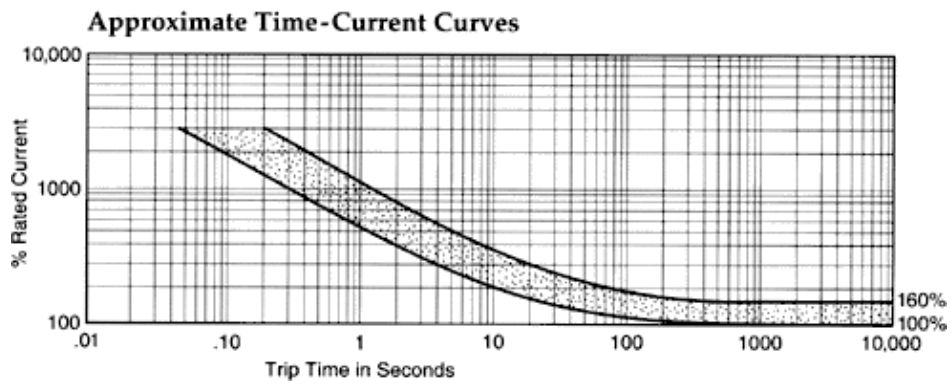
6752-305 2.5 -50A

Temp.	Minimum Ultimate Trip	Maximum Ultimate Trip	Trip Time (in seconds)		
			200%	500%	1000%
25°C	110%	138%	12-65	2.3-10	0.33-1.4
-54°C	110%	160%	15-65	2.3-10	0.33-1.4
93°C	105%	138%	12-65	2.3-10	0.33-1.4
121°C	100%	138%	12-65	2.3-10	0.33-1.4

The most typical device is 2.5-50 amps.



TRIP CURVE



VOLTAGE DROP

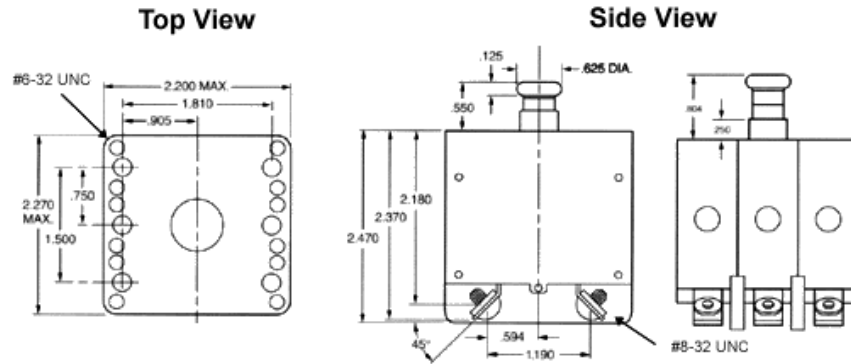
Amp Rating	Max. Voltage Drop*
2.5	0.60
5	0.40
7 1/2	0.30
10	0.25
15	0.25
20	0.25
25	0.25
35	0.25
50	0.25
60	0.25

*Maximum voltage drop at nominal rated current.



DIMENSIONS

Dimensions in mm [Inch]



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