



Sensata

Technologies

6752-100 SERIES



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| 6752-100 SERIES

50–100 Amp, Single–Phase, 3–Phase, Ambient Compensated

Introduction

Klixon® 6752-100 series thermal–magnetic circuit breakers are designed and manufactured to meet stringent military standards with the reliability of the 6752 design. The 6752-100 is similar to the 6752-12 in size, and includes current ratings ranging from 50 to 100 amps.

The higher interrupting capacity, vibration resistance and longer cycling life of the 6752-100 series exceed previous military standards. In addition, the 6752-100 series provide ambient compensation, fault coordination of all ratings an option for auxiliary circuits.



Features

- Current ratings: 50–100 amps
- Proven reliability and performance of the 6752 series circuit breaker
- Trip–free design
- Circuit protection unaffected by temperature fluctuations
- MIL-C-5809 qualified
- Ambient compensated
- High vibration resistance
- High interrupting capacity: 6,000 amps
- Typical use: Military



PERFORMANCE CHARACTERISTICS

Vibrations	10G, 50–2,000 Hz (other vibration levels available)
Mechanical Shock	30G
Acceleration	10G
Weight	113.6 gram (0.25 pound) maximum
Interrupt Current	120VAC, 400 Hz: 3,500 amps 28 VDC: 6,000 amps
Endurance	5,000 cycles: 120 VAC, 400 Hz inductive 5,000 cycles: 120 VAC, 400 Hz resistive 2,500 cycles: 28 VDC, 400 Hz inductive 5,000 cycles: 28 VDC, 400 Hz resistive 5,000 cycles: Mechanical, no load



QUALIFICATIONS

Klixon®	Mil-spec
6752-100-50	MS25361-50
6752-102-50	MS25361-50
6752-100-60	MS25361-60
6752-102-60	MS25361-60
6752-100-70	MS25361-70
6752-102-70	MS25361-70
6752-100-75	MS25361-75
6752-102-75	MS25361-75
6752-100-80	MS25361-80
6752-102-80	MS25361-80
6752-100-90	MS25361-90
6752-102-90	MS25361-90
6752-100-100	MS25361-100
6752-102-100	MS25361-100



CALIBRATION CHART

For a Standard Device

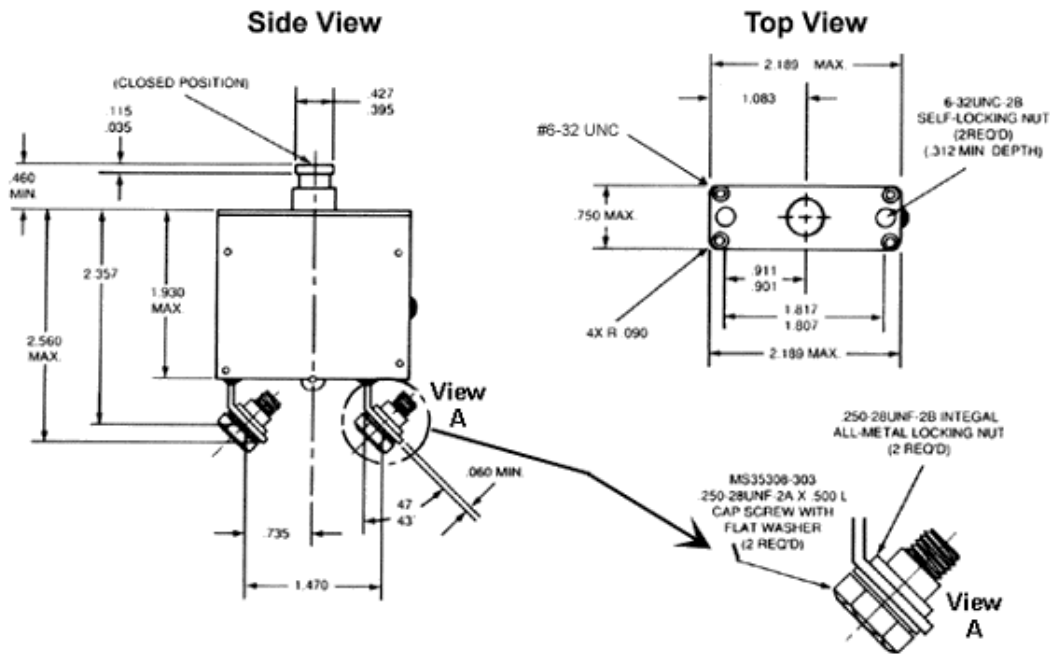
Temp.	Minimum Ultimate Trip	Maximum Ultimate Trip	Trip Time (in seconds)		
			200%	500%	1000%
25°C	105%	138%	15-65	2-10	1-4
-40°C	125%	165%	15-65	2-10	1-4
70°C	70%	125%	15-65	2-10	1-4

The most typical device is 3–35 amps. For others, please contact us.



DIMENSIONS

Dimensions in mm [Inch]



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