

6752-100 Series Circuit Breakers

Ambient Compensated Single & Three Phase High, Short Circuit Capacity

Features

- Current ratings from 50-100 amps
- Proven reliability and performance of the 6752 series circuit breaker
- Usable on large electrical systems 6000 amperes interrupting capacity
- Circuit protection unaffected by temperature fluctuations ambient compensated from -40 $^{\rm o}F$ to +160 $^{\rm o}F$
- Military approved (including high sine vibration capability) to MS 25361 and MS 25361 (V)



Overview

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

The higher short circuit capacity, vibration resistance and longer cycling life of the 6752-12 and -300 series exceed previous military standards. In addition, the 6752-12 and -300 series provide ambient compensation, fault coordination of all ratings, and an option for auxiliary circuits.

High Short Circuit Capacity

A deionizing grid and magnetic assist enable the 6752-100 series to successfully interrupt four fault 6000 amp currents, two at sea level and two at 60,000 feet, on either a 120 VAC, 400 Hz system or a 30 VDC system.

Ambient Temperature Compensation

The 6752-100 series circuit breakers maintains its performance capabilities by means of a thermal compensator in the temperature range of -40° C to $+70^{\circ}$ C.

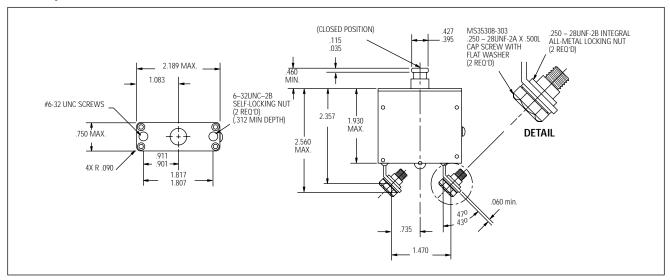
MIL Qualification

TI Number	MS Number	TI Number	MS Number
6752-100-50	MS 25361-50	6752-102-50	MS25361-50V
6752-100-60	MS 25361-60	6752-102-60	MS25361-60V
6752-100-70	MS 25361-70	6752-102-70	MS25361-70V
6752-100-75	MS 25361-75	6752-102-75	MS25361-75V
6752-100-80	MS 25361-80	6752-102-80	MS25361-80V
6752-100-90	MS 25361-90	6752-102-90	MS25361-90V
6752-100-100	MS 25361-100	6752-102-100	MS25361-100V



Characteristics 6752-100

Envelope Dimensions



Performance Characteristics

Vibration*	10 G's minimum, 50-2000 Hz
Mechanical Shock	30 G's
Acceleration	
Weight	0.25 lbs (114 gm) max.

6752-100 Calibration

Temp	Min ULT	Max ULT	Trip Time – Seconds		
Temp OC	Trip	Trip	200%	400%	1000%
+25	105%	138%	15-65	2-10	1.4
-40	125%	165%	15-65	2-10	1.4
+70	70%	125%	15-65	2-10	1.4

Interrupt Current

120 VAC, 400 Hz: 3500 amps 28 VDC: 6000 amps

Endurance

5000 cycles	120 VAC, 400 Hz Resistive
5000 cycles	
5000 cycles	28 VDC, 400 Hz Resistive
2500 cycles	28 VDC, 400 Hz Inductive
5000 cycles	no load

 $^{^{\}star}$ Other vibration levels available. Contact factory for details.

