



# KLIXON® | 6752 SERIES

## 2.5 to 100 Amp, Single & Three-Phase Circuit Breakers

### FEATURES

- 28VDC or 120VAC, 2.5 to 100 Amps
- Usable on large electrical systems : 6000 amps interrupting capacity
- Ambient temperature compensation and trip-free design
- Mil-qualifications
- Long trouble-free operation: 20,000 operating cycles
- Military approved

### ADDITIONAL OPTIONS

- Auxiliary switch available
- Terminal barriers

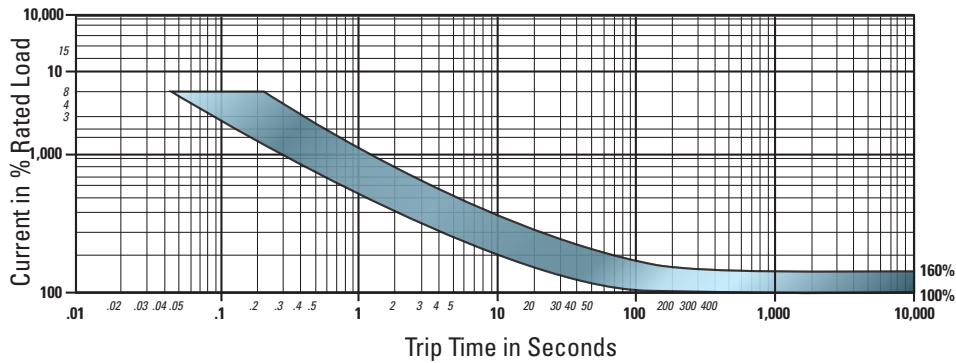
### DESCRIPTION

The Klixon® 6752 series are thermal-magnetic circuit breakers designed and manufactured to meet the more stringent military standards of today's jet aircraft, specifically MIL-DTL-22715. The higher short circuit capacity, vibration resistance and longer cycling life of the 6752 series exceed previous military standards.

PERFORMANCE CHARACTERISTICS	
Calibration : 200% rated current, 77°F (25°C)	6752-12, 6752-300: 2.5A to 50A 6752-100: 2.5A to 100A
Ultimate Trip at 77°F (25°C)	Must hold : 145% Must trip : 110%
Endurance	5,000 cycles : 120 VAC, 400 Hz Inductive 5,000 cycles : 120 VAC, 400 Hz Resistive 5,000 cycles : 28 VDC, 400 Hz Resistive 5,000 cycles : 28 VDC, 400 Hz Inductive 5,000 cycles : Mechanical, no load (-100's) 10,000 cycles : Mechanical, no load
Interrupt Current Capacity	2.5 - 50 amps : 6,000 amps @ 30 VDC (-12's) 2.5 - 50 amps : 6,000 amps @ 120 VA, 400 Hz 2.5 - 50 amps : 4,200 amps @ 205 VA, 400 Hz 50 - 100 amps : 3,500 amps @ 120 VAC, 400Hz 50 - 100 amps : 6,000 amps @ 28 VDC
Vibration Resistance**	10G minimum, 50 - 500 Hz
Mechanical Shock Resistance	30G
Acceleration	10G
Weight	6752-12 - 91 gm max 6752-100 - 114 gm max 6752-305 - 292 gm max

ORDERING INFORMATION		
Sensata PN	Qualifications PNs	
6752-12-2½	MS24571-2	MS24571-2V
6752-12-5	MS24571-5	MS24571-5V
6752-12-7½	MS24571-7	MS24571-7V
6752-12-10	MS24571-10	MS24571-10V
6752-12-15	MS24571-15	MS24571-15V
6752-12-20	MS24571-20	MS24571-20V
6752-12-25	MS24571-25	MS24571-25V
6752-12-35	MS24571-35	MS24571-35V
6752-12-50	MS24571-50	MS24571-50V
6752-100-50	MS25361-50	
6752-100-60	MS25361-60	
6752-100-70	MS25361-70	
6752-100-75	MS25361-75	
6752-100-80	MS25361-80	
6752-100-90	MS25361-90	
6752-100-100	MS25361-100	
6752-102-50	MS25361-50V	
6752-102-60	MS25361-60V	
6752-102-70	MS25361-70V	
6752-102-75	MS25361-75V	
6752-102-80	MS25361-80V	
6752-102-90	MS25361-90V	
6752-102-100	MS25361-100V	

## TRIP CURVE - Approximate Time, Current Characteristics at 77°F (25°C)



MAX VOLTAGE DROP @ NOMINAL RATED CURRENT			
Part Number	***Max Voltage Drop	Part Number	***Max Voltage Drop
6752-12-2½	0.60	6752-300-2½	0.60
6752-12-5	0.40	6752-300-5	0.40
6752-12-7½	0.30	6752-300-7½	0.30
6752-12-10	0.25	6752-300-10	0.25
6752-12-15	0.25	6752-300-15	0.25
6752-12-20	0.25	6752-300-20	0.25
6752-12-25	0.25	6752-300-25	0.25
6752-12-35	0.25	6752-300-35	0.25
6752-12-50	0.25	6752-300-50	0.25

CALIBRATION : 2.5 TO 50 AMPS (6752-12, -300)					
TEMP °C	MIN ULT TRIP	MAX ULT TRIP	Trip Time in Seconds		
			200%	500%	1000%
+25	110%	138%	12 to 65	2.3 to 10	.33 to 1.40
-54	110%	160%	12 to 65	2.3 to 10	.33 to 1.40
+93	105%	138%	12 to 65	2.3 to 10	.33 to 1.40
+121	105%	138%	12 to 65	2.3 to 10	.33 to 1.40

CALIBRATION : 50 TO 100 AMPS (6752-100)					
TEMP °C	MIN ULT TRIP	MAX ULT TRIP	Trip Time in Seconds		
			200%	500%	1000%
+25	105%	138%	15 to 65	2 to 10	1.40
-54	125%	165%	15 to 65	2 to 10	1.40
+71	100%	145%	15 to 65	2 to 10	1.40

## DIMENSIONAL DRAWINGS - 6752-12

