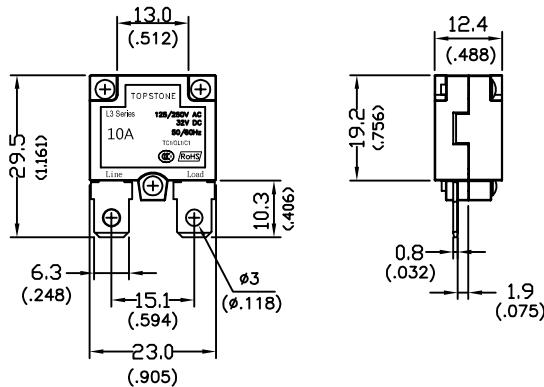


L3 Series "SERIES TRIP", "AUTO RESET " Single Pole circuit breakers represent our largest selling product family. Based on a proven "SNAP ACTING" bimetallic thermal sensing element system, L3 Series circuit breakers sense Overload conditions and interrupt the flow of Current. The L3 series will auto reset within 40 seconds after trip ( J TYPE).

L3 Series offers amperage ratings from 2A to 20A, and is suitable for a diversity of applications, our products are carefully calibrated and tested to ensure reliable performance under a variety of operating assignments and conditions.

**Outline Dimensions**



Note: "XX"=Amper Rating

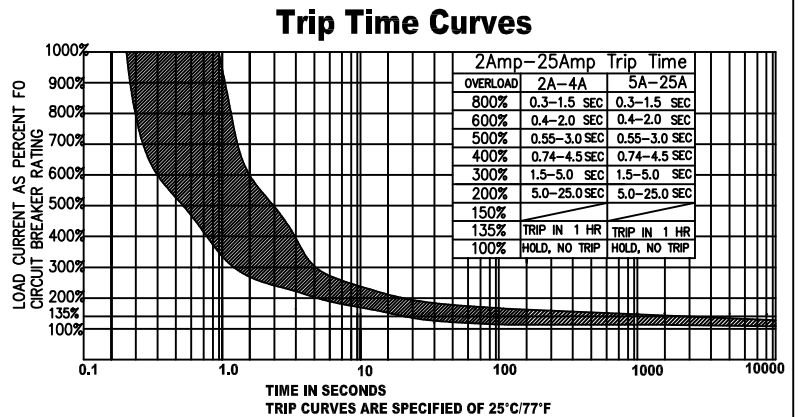
**Specification**

Rated Voltage	AC 125/250V DC 32V
Rated Current	2~16A
Interrupt Capacity	1000A ( UL244A)
Insulation Resistance	>500 MΩ
Resettable Overload Capacity	Ten Times Rated Current
Dielectric Strength	1,500Vac 1 minute
Weight	Approx 6.1g
Reset Time	Within 40 seconds
Voltage Drop	Less than 0.25V
Method of Operation	J Type

**Typical Resistance VS. Current Rating @25°C**

Current Rating in Amps	Typical Resistance in Ohms	Current Rating in Amps	Typical Resistance in Ohms
2.0	0.070	8.0	0.011
3.0	0.063	10.0	0.015
4.0	0.052	12.0	0.011
5.0	0.030	15.0	0.010
6.0	0.022	16.0	0.008
7.0	0.016		

**Time VS. Current Trip Curve @+25°C**



100% of rated current: Hold, No-Trip  
 135% of rated current: Trip in 1 Hour  
 200% of rated current: 5~25 Seconds Trip  
 300% of rated current: 1.6~4.8 Seconds Trip

**Ambient Compensation Table**

		Capacity Correction Factors For Ambient Temperatures									
Current Rating Amps	Temperature										
	*F	+14	+32	+50	+68	+77	+86	+104	+122	+140	
	*C	-10	+0	+10	+20	+25	+30	+40	+50	+60	
2 to 4A		.70	.75	.82	.90	1.00	1.10	1.25	1.61	2.15	
5 to 16A		.77	.85	.90	.95	1.00	1.05	1.15	1.25	1.40	

The unit is calibrated for ambient temperature of +25°C. To determine the rated current for a lower or higher ambient Temperature, use a correction factor as above.

**Mechanical/Environmental Data**

**Operating Temperature Range: -10°C to 60°C**

Termination: 250" (6.35mm) quick connects or solder terminals  
 Mounting: Various options. See Ordering Information and drawings  
 Temperature Rise at Terminal Block: Less than 65°C at 100% of rated current applied continuously at 25°C  
 Contact Endurance: 125Vac X 150% of rated current >500 Cycles

**Approval**



Approval	File No.	Rated current range	Rated Voltage	Standard
UL+cUL	PENDING	2~16A	125/250VAC 32VDC	UL1077:2008
CB	CN39982	2~16A	125/250VAC 32VDC	IEC60934:2013
CCC	2017010307957824	2~16A	125/250VAC 32VDC	GB17701:2008