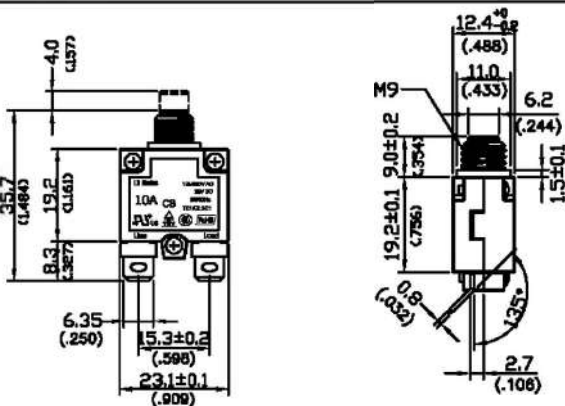


L3 Series

L3 Series "SERIES TRIP", "PUSH TO 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 resettable actuator mechanism then remains disengaged until manually reset.

L3 Series offers amperage ratings from 2A to 16A, 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

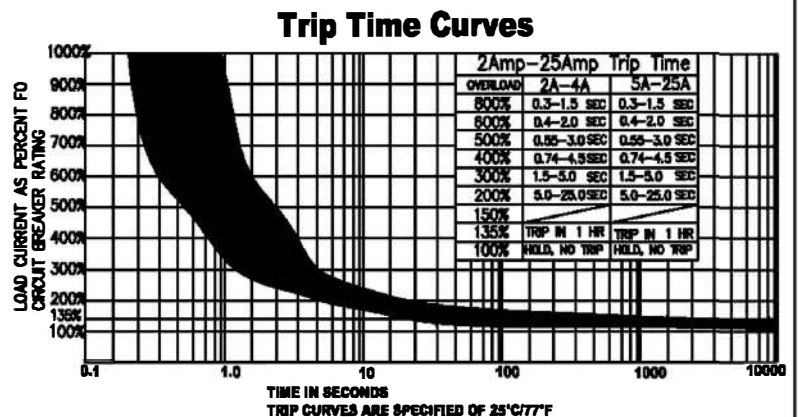
Specification

Rated Voltage	AC 125/250V, DC 32V
Rated Current	2~16A
Interrupt Capacity	1000A (UL1077)
Insulation Resistance	>500 MΩ
Resettable Overload Capacity	Ten Times Rated Current
Dielectric Strength	1,500Vac 1 minute
Weight	Approx 8.03g (0.28 oz.)
Reset Time	Within 60 seconds
Voltage Drop	Less than 0.25V
Method of Operation	R 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

Current Rating Amps		Capacity Correction Factors For Ambient Temperatures								
		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	1.81	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

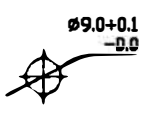
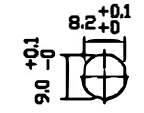
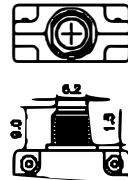

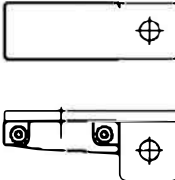
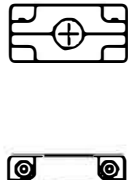
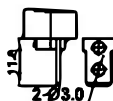



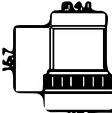
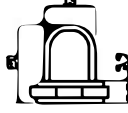
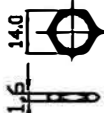


Approval	File No.	Rated current range	Rated Voltage	Standard
UL+cUL	PENDING	2~16A	125/250VAC 32VDC	UL1077:2016
TUV	R50407607	2~16A	125/250VAC 32VDC	EN60934:2013
CCC	2017010307957824	2~16A	125/250VAC 32VDC	GB17701
CB	CN39982	2~16A	125/250VAC 32VDC	IEC60934:2013

L3 Series

L3 SERIES ORDERING INFORMATION

L3	100	2	1	1	1	—	0	7	1
Series	① Rating	② Voltage	③ Button	④ Bushing	⑤ Terminal	⑥ Nameplate	⑦ Mounting Hardware	⑧ Waterproof	
	020—2Amps 030—3Amps 040—4Amps 050—5Amps : 160—16Amps	1 DC32V 2 AC125—250V	0 Auto Reset 1 Black Without Printing 2 Black W/Ver white Print 3 Black W/Hor white Print 6 White Without Printing 7 White W/Ver Black Print 8 White W/Hor Black Print	9 Black Short Push Button A Red Without Printing B Red W/Ver Black Print C Red W/Hor Black Print D	0 None 1 Silver printing on black M11 2 Black printing on white M11 3 Silver printing on black M12			0=None R=LCAPB F=LCAPA	

Panel Cutting	No Flch	M9XP1.0				
						
Bushing Type	Plastic	Metal	Auto Reset			
	M9XP1.0	M9XP1.0	Auto Reset Holder	Auto Reset No Holder		
	1	2	7	0		
						
Terminal Type	.250 Tab with slode	90° Bend backward	45° Bend Cover			
	B	9	G			
						
Nameplate Type	0	Black M9	Waterproof Option	M9XP1.0	M9XP1.0	
	None	1		LCAPA	LCAPB	
						
Hardware Type	Metal					
	2					
	Hexnut M9					

Ordering Note:

Options denoted by "Special Order" in their descriptions are only offered on a special order basis. Other base and button colors and intermediate Amp ratings are also available on a special order basis. Due to ongoing technological advances, consult factory for certification specifics.