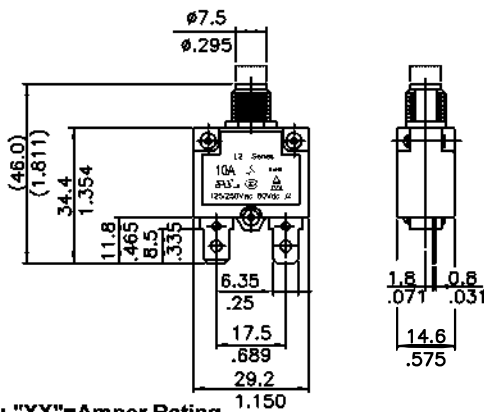


L2 Series "SERIES TRIP", "PUSH TO RESET" Single Pole circuit breakers represent our largest selling product family. Bases on a proven "SNAP ACTING" bimetallic thermal sensing element system. L2 Series circuit breakers sense Overload conditions and interrupt the flow of Current. The resettable actuator mechanism then remains disengaged until manually reset.

L2 Series offers amperage ratings from 3A to 25A, 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

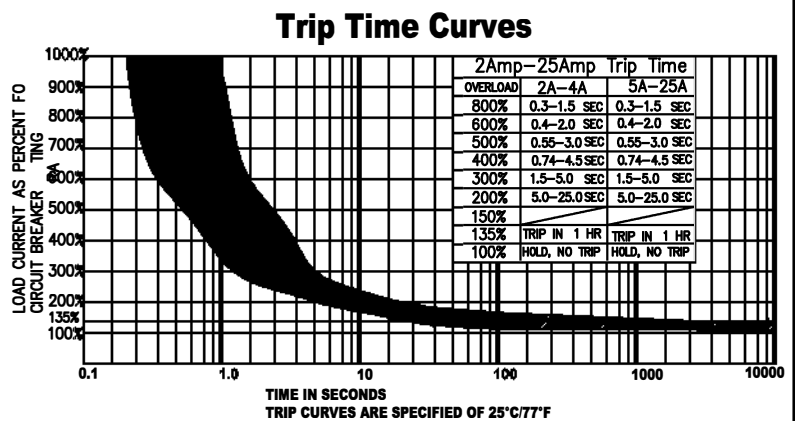
Specification

Rated Voltage	AC 125/250V DC 50V
Rated Current	2~25A
Interrupt Capacity	1000A (UL1077)
Insulation Resistance	>500 MΩ
Resettable Overload Capacity	Ten Times Rated Current
Dielectric Strength	1,500Vac 1 minute
Weight	Approx 15.6g (0.55 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
3.0	0.083	10.0	0.025
4.0	0.062	12.0	0.021
5.0	0.050	15.0	0.017
6.0	0.042	16.0	0.016
7.0	0.036	20.0	0.012
8.0	0.031		

Time VS. Current Trip Curve @+25°C



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		
3 to 4A	.70	.75	.82	.90	1.00	1.10	1.25	1.61	2.15		
5 to 20A	.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

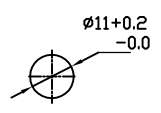
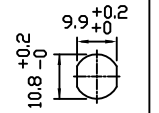
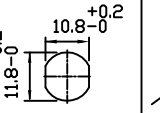
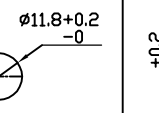
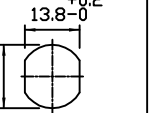
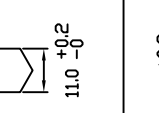
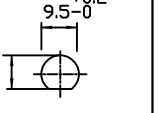
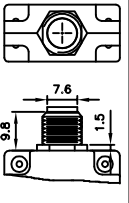
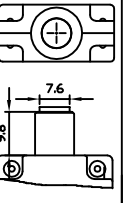
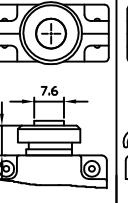
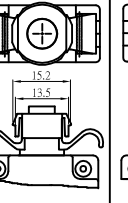
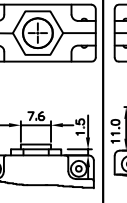
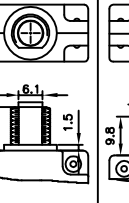
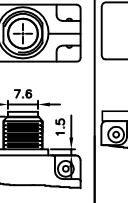
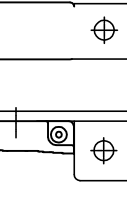
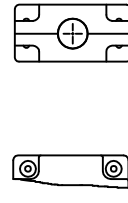
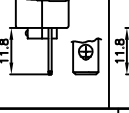
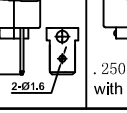
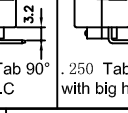
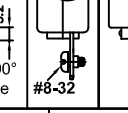
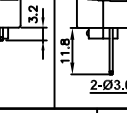
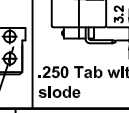
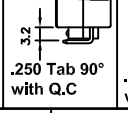
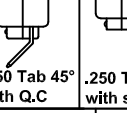
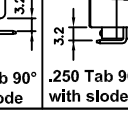
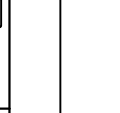
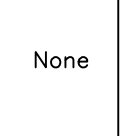
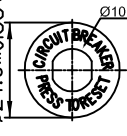
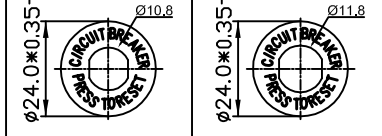
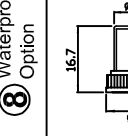
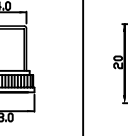
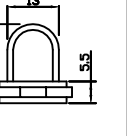
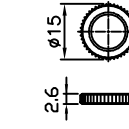
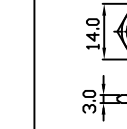
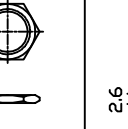
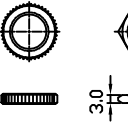
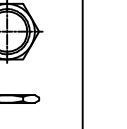
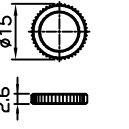
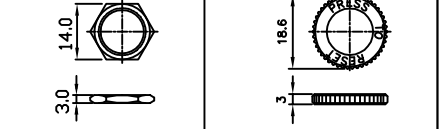
Approval



Approval	File No.	Rated current range	Rated Voltage	Standard
UL+cUL	E478741	2~20A	125/250VAC 50VDC	UL1077
TUV	50046704	3~20A	125/250VAC 50VDC	EN60934
CCC	2014010307693248	3~30A	125/250VAC 50VDC	GB17701
UL+cUL	E482018	2~20A	125/250VAC 50VDC	UL244A

L2 SERIES ORDERING INFORMATION

L2	1 5 0	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 : 250-25Amps	1 DC50V 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 Pitch 	M11XP1.0 	M12XP1.0 	PL 	Snap In 	AW/IAB 	3/8-27T 					
④ Bushing Type	Plastic					Metal		Auto Reset				
	M11XP1.0	No Pitch	PL	Snap In	Black/White	3/8"-27T	M11XP1.0	Auto Reset Holder	Auto Reset No Holder			
	1	4	PL	6	3/5	9	2	7	0			
												
⑤ Terminal Type	.250 Tab with big hole	.250 Tab with Q.C	90° Bend backward	90° Bend backward	Screw	Straight 3.2mm	.250 Tab with slode	90° Bend backward	90° Bend Cover	45° Bend Cover	Load Bend 90°	90° Bend Cover
	1	3	4	5	6	7	8	9	A	B	C	D
												
⑥ Nameplate Type	0	Black M11	White M11	Black M12			M11XP1.0		M11XP1.0	3/8-27		
		1	2	3			LCAPA		LCAPB	LCAPC		
	None											
⑦ Hardware Type	Metal						Plastic					
	1	2	6=1+2		4	5	3					
	Knurlnut M11 	Hexnut M11 	Knurlnut 	Hexnut 	Knurlnut M12 	Hexnut M12 	Integrated Knurlnut 					

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.