

Features

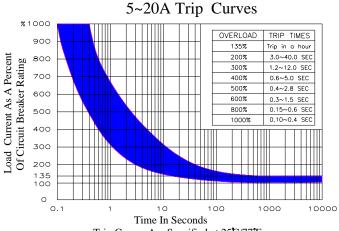
- Compact, trip-free, rocker-actuated design.
- 🕂 5 to 20 amp ratings.
- Provides circuit protection and power switching in a single unit.

Available with optional indicator lamp.

Snaps into the same cutout as many common power switches.
Various color, marking and termination options.

Technical data			
Rated voltage	AC 125/250V DC 50V		
Rated current	5-20 A		
Interrupt Capacity	1000A 250V (UL1077)		
Dielectric strength	AC 1500V (1min)		
Insulation resistance	\geq 100 M Ω , 500VDC		
Resettable Overload Capacity	Ten times rated current		
Switch Endurance Cycling	Over 6,000 operations		
	at rating current		
Weight:	Approx 10.5g		

Time vs. Current Trip Curve@+25°C



Trip Curves Are Specified at 25C/77 F

Ambient Compensation Table

Ambient	Rating Correction Factor				
Temperature	5-6A Models	7-20A Models			
In °C	J-OA MOUCIS				
10	.80	.80			
20	.90	.90			
25	1.00	1.00			
30	1.10	1.05			
40	1.25	1.15			
50	1.61	1.25			
60	2.15	1.40			

The unit is calibrated for an ambient temperature of $+25^{\circ}$ C. To determine the rated current for a lower or higher ambient temperature, use a correction factor to the left.

M1 Series Rocker-Actuated, Trip-Free Thermal Circuit Breaker/ Power Switch With Option Indicator Lamp Multiple Patent

Approval

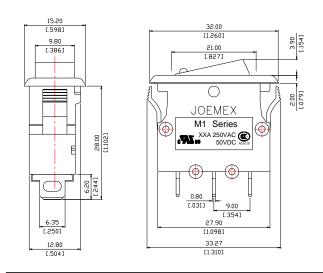
Approval & File No.	Rated current range	e Rated voltage
UL E95802	5-20 A	125/250VAC 50VDC
CCC 200301030709785	8 5-20 A	125/250VAC
VDE 40015302	5-20 A	250VAC

Typical Resistance vs. Current Rating @ +25℃

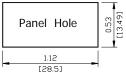
Current Rating in Amps	Typical Resistance in Ohms	Current Rating in Amps	Typical Resistance in Ohms
5.0	0.05	13.0	0.020
7.0	0.036	15.0	0.017
10.0	0.025	20.0	0.0125
12.0	0.022		

Mechanical/Environmental Data

Outline Dimensions



Recommended Panel Cutout



Panel thickness

M1 series circuit breakers accommodate panel thickness from 0.03 in. to 0.118 in.(0.75mm-3.0mm)

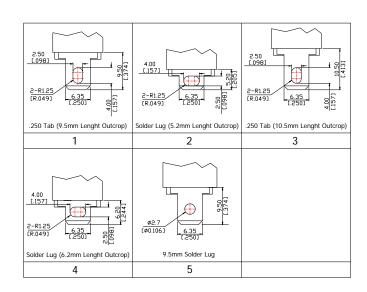
Ordering Information

Typical Part No. 🕨	M 1	15-	A	1	1	2	0
1.Model No.:							
M1=M1 Non Illuminated M1L=Illuminated							
2.Rating:							
05=5A 06=6A 16=16A 20=20A							
3. Voltage: A=125AVC/50VDC B=250VAC/50VDC C=24VDC							
4.Terminals:							
1=.250 Tab (9.5mm Length Outcrop) 2=Solder Lug	(5.2mm Len	gth Outcrop)					
3=.250 Tab (10.5mm Length Outcrop) 4= Solder Lug	g (6.2mm Ler	ngth Outcrop)				
5=9.5mm Solder Lug							
5. Base Color:							
1=Black 2=White 3=Gray 4=Ivory							
6.Rocker Color:							
6.1 Clear color 1=Amber 2=Red 3=0	Green						
6.2 Opaque color 4=White 5=Black 6=F	Red 7=Gra	у					
7.Marking option:							
0=No marking 1=RESET/OFF with point printed 2	=RESET/OFF	printed 3	=RESET/C	FF molded			

Ordering Note:

Some option illustrated below are not listed in the "Ordering Information" chart above. 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.

Terminal Types:



Marking Options:

