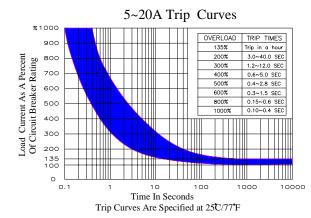


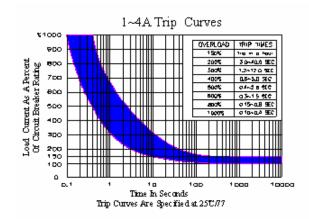
### **Features**

- 💺 Compact,trip-free, rocker actuated design.
- 📥 1 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	1-20 A	
Interrupt Capacity	1000A	
Dielectric strength	1500VAC/1min	
Insulation resistance	$\geq$ 100 M $\Omega$ , 500VDC	
Resettable Overload Capacity	Six times rated current (1-4A)	
	Ten times rated current (5-20A)	
Switch Endurance Cycling	Typically 6,000 operations	
	at 100% of rating	
Weight	Approx 10.5g	

### Time vs. Current Trip Curve @ +25°C





# M5 Series Multiple Patent Rocker-Actuated , Trip-Free Thermal Circuit Breaker/Power switch With Option Indicator Lamp

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Approval & File No.	Rated current ra	ange Rateo	d voltage
UL/CUL	1-20 A	125/250VAC	50VDC
VDE 60934	1-16 A	250VAC	50VDC

## Typical Resistance vs. Current Rating @ +25°C

Current Rating in Amps	Typical Resistance in Ohms	Current Rating in Amps	Typical Resistance in Ohms
1.0	0.450	8.0	0.032
2.0	0.200	10.0	0.025
3.0	0.100	12.0	0.021
4.0	0.060	15.0	0.017
5.0	0.050	16.0	0.016
6.0	0.042	20.0	0.0125
7.0	0.036		

## Mechanical/Environmental Data

Operating Temperature Range: -10 °C to +60 °C.

Termination: 250"(6.35 mm) quick connects, solder terminals

Mounting: Snaps into 1.122" x. 531" (28.5 X 13.5) panel cutout .

Am	Ambient Compensation Table			
	Ambient Temperature	Rating Correction Factor		
	In °C	1-6A Models	7-20A Models	
	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 ambient temperature of  $+25^{\circ}$ C. To determine the rated current for a lower or higher ambient temperature, use correction factor as above.