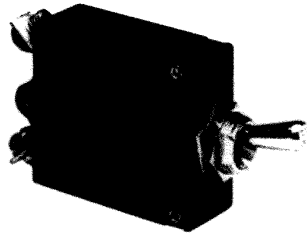


W23



W31

**W23/W31 series**

**TOGGLE OR  
PUSH/PULL ACTUATOR  
THERMAL CIRCUIT BREAKER**



**FEATURES**

- 0.5 amp to 50 amp ratings may be used as on/off switch.
- Cannot be reset against overload.
- W23 has visible trip indicator.
- Screw termination.

**AGENCY APPROVALS**

W23 and W31 are UL 1077 Recognized as Supplementary Protectors, File E69543, and CSA Certified as Appliance Component Protectors, File LR15734.

**ELECTRICAL DATA @ +25 °C**

**Calibration:** Will continuously carry 100% of rating, may trip between 101% and 134% of rating at 25°C. Must trip at 135% in one hour.

**Maximum Operating Voltages:** 50VDC or 250VAC (to 400 Hz).

**Interrupting Capacity:** 0.5-25 amp models — 2,500 amps at 50VDC, 1000 amps at 250VAC. 26-50 amp models — 1000 amps at 50VDC or 250VAC.

**Resettable Overload Capacity:** Ten times rated current.

**Dielectric Strength:** Over 1,500 volts RMS.

**RESISTANCE CHART**

Current Rating In Amps	Maximum Resistance In Ohms ± 30%
1	.61
5	.03
10	.01
15	.006
20	.004
30	.003
40	.002
50	.002

**MECHANICAL/ENVIRONMENTAL DATA**

**Endurance Cycling:** More than 6,000 cycles at 100% of rating or 10,000 mechanical cycles.

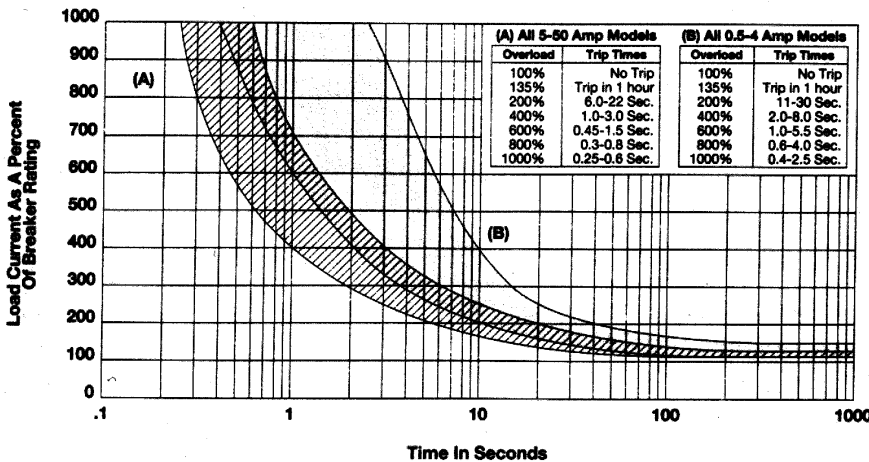
**Humidity:** Will meet requirements of MIL-STD-202, Method 1  
**Salt Spray:** Will meet requirements of MIL-STD-202, Method Test Condition B.

**Termination:** Two #8-32 screw terminals.

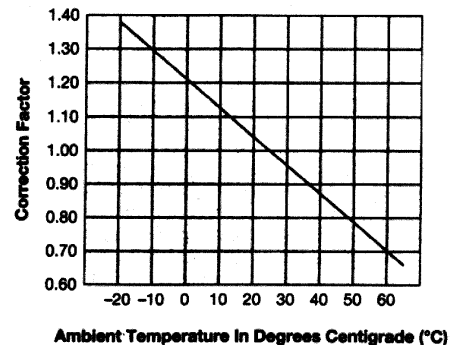
**Mounting:** W23 — Threaded bushing, 3/8" (9.53 mm) diamet  
W31 — Threaded bushing, 15/32" (11.91 mm) diameter, with or without anti-rotation flats.

**Weight:** Less than 2 oz. (57 g).

**TIME VS. CURRENT TRIP CURVE @ +25 °C**



**AMBIENT COMPENSATION CHART**



**TO USE THIS CHART:** Read up from the ambient temperature to the curve, and across to find a correction factor. Multiply the breaker rating by the correction factor to determine the compensated rating. Calculate the overloads in terms of the compensated rating to use the published trip curve.