

W58 series

PUSH TO RESET ONLY THERMAL CIRCUIT BREAKER



FEATURES

- 0.5 amp to 35 amp ratings.
- Cannot be manually tripped.
- Button extends for visual trip indication.
- Push button to reset breaker.
- Termination is screw or .250" QC.

AGENCY APPROVALS

W58 Series is UL 1077 Recognized as Supplementary Protectors, File E69543, and CSA Certified as Appliance Component Protectors, File LR15734.

ELECTRICAL DATA @ +25 C

Calibration: Breaker will continuously carry 100% of rated load. It may trip between 101% and 145% of rated load, but must trip at 145% at 25°C.

Dielectric Strength: Over 1,500 volts RMS.

Maximum Operating Voltages: 50VDC; 250VAC.

Interrupt Capacity: 2,000 amps at 50VDC (0.5 - 35 amp models).
1,000 amps at 250VAC (0.5 - 35 amp models).

Note: 30 and 35 amp models not UL or CSA.

Resettable Overload Capacity: Ten times rated current.

MAXIMUM RESISTANCE VS. CURRENT RATING @ +25°C

Current Rating in Amps	Maximum Resistance in Ohms	Current Rating in Amps	Maximum Resistance in Ohms
0.5	5.0	7	0.020
0.75	2.5	8	0.020
1	1.35	9	0.020
1.5	0.75	10	0.014
2	0.32	12	0.010
2.5	0.25	15	0.010
3	0.18	20	0.006
3.5	0.15	25	0.005
4	0.10	30	0.004
5	0.026	35	0.004
6	0.026		

MECHANICAL/ENVIRONMENTAL DATA

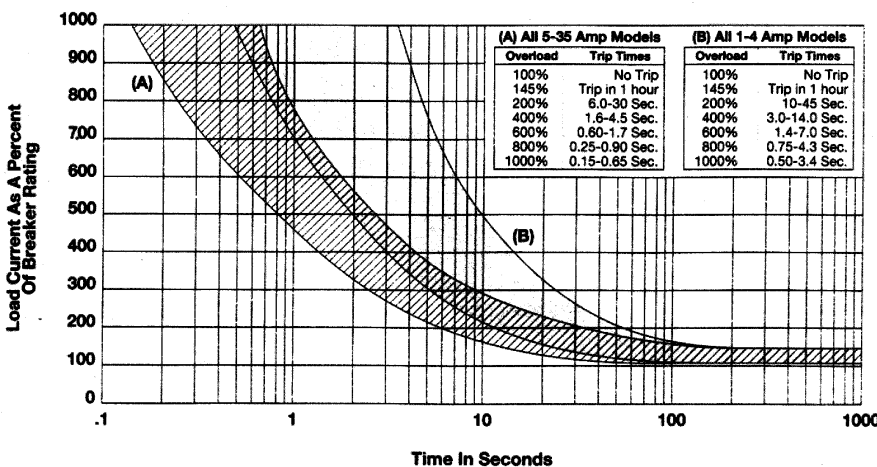
Shock: Withstands to 10 g.

Endurance Cycling: Over 1,000 cycles at 200% of rated load.

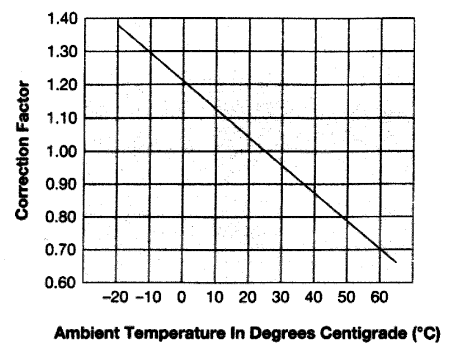
Vibration: Withstands to 10 g at 10-55 Hz.

Weight: Less than 1 1/2 oz. (42.5 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.