



W58 series

Push To Reset Only Thermal Circuit Breaker



Features

- 0.5 amp to 30 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 - 30 amp models).

1,000 amps at 250VAC (0.5 - 30 amp models).

Note: 30 Amp model 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	8	0.020
1	1.35	9	0.020
2	0.32	10	0.014
3	0.18	12	0.010
4	0.10	15	0.010
5	0.026	20	0.005
6	0.026	25	0.006
7	0.020	30	0.004

Mechanical/Environmental Data

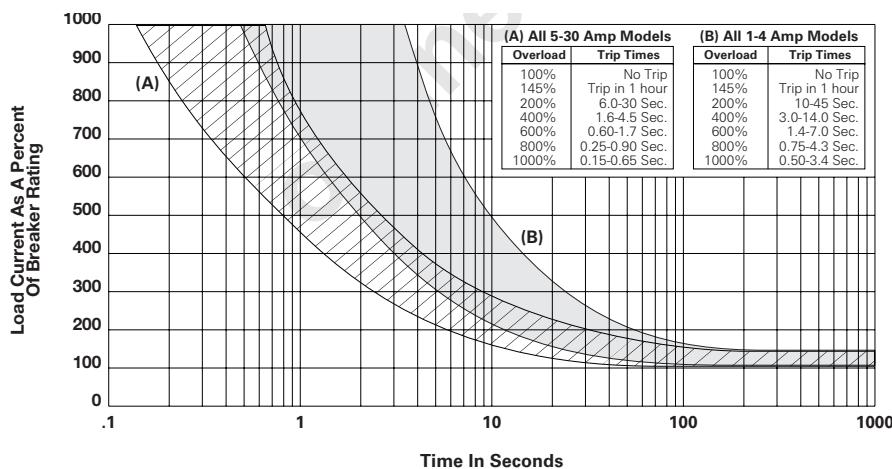
Shock: Withstands to 10g.

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

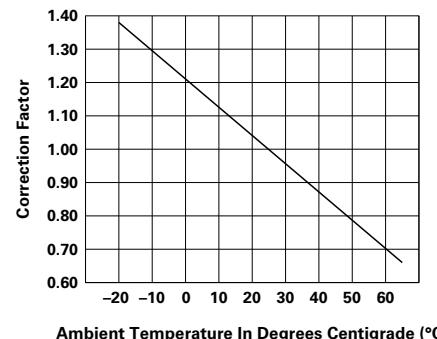
Vibration: Withstands to 10g at 10-55 Hz.

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

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.

**Ordering Information**

Typical Part No. ►

W**58****-X****B****1****A****4****A****-5****1. Designator:**

W = Circuit breaker

2. Series Number:

58 = Single Pole, Push-to-Reset

3. Circuit Function:

X = Series Trip

4. Button:

A = White, plain, no rate marking, no trip band
 B = White with red rate marking, red trip band
 C = White with black rate marking, red trip band

E = White with red rate marking no trip band
 F = White with black rate marking, no trip band

5. Mounting Bushing:

1 = 7/16" x .500" (12.70mm) long
 4 = 15/32" x .300" (7.62mm) long, black
 6 = 3/8" x .465" (11.81mm) long, round

6. Terminals:

A = Quick connect .250" (6.35mm) straight
 C = 6/32 screw 90° (screws installed)
 D = 6/32 screw 90° (screws bulk packed)

7. Mounting Hardware:

4 = Knurled nut/hex nut 15 = Two hex nuts/lock washer
 6 = Knurled nut/hex nut/lock washer 99 = No mtg. hardware supplied (Use C, Step #8)
 12 = Knurled nut/lock washer

Note: For other hardware combinations, order separately. See mounting hardware Ordering Information table.

8. Mounting Hardware Packaging:

A = Assembled to bushing
 B = Bulk unassembled
 C = No mounting hardware

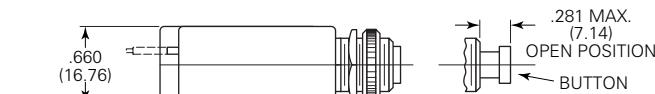
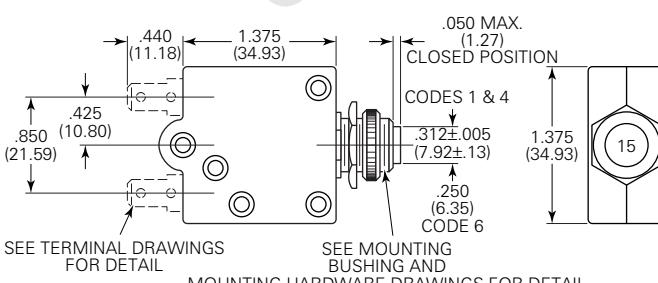
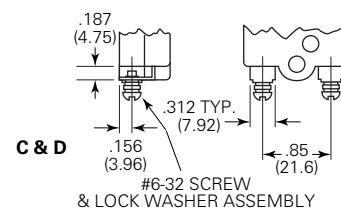
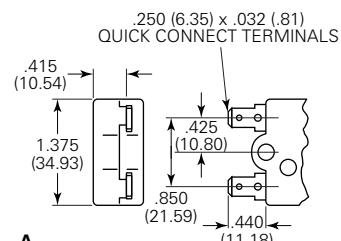
9. Specify Amp Rating:

0.5	3	6	9	15	30*
1	4	7	10	20	
2	5	8	12	25	

*Not UL or CSA

Stock Items – We recommend that our authorized distributors stock the following items for immediate delivery.

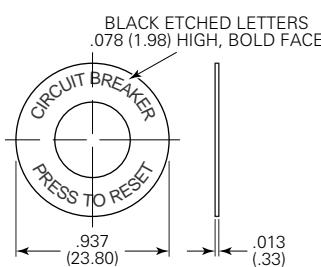
W58-XB1A4A-1	W58-XB1A4A-6	W58-XB1A4A-15	W58-XC4C12A-2	W58-XC4C12A-15
W58-XB1A4A-2	W58-XB1A4A-7	W58-XB1A4A-20	W58-XC4C12A-3	W58-XC4C12A-20
W58-XB1A4A-3	W58-XB1A4A-8	W58-XB1A4A-25	W58-XC4C12A-5	W58-XC4C12A-25
W58-XB1A4A-4	W58-XB1A4A-10	W58-XB1A4A-30	W58-XC4C12A-7	W58-XC4C12A-30
W58-XB1A4A-5	W58-XB1A4A-12	W58-XC4C12A-1	W58-XC4C12A-10	

Outline Dimensions**Terminal Options**

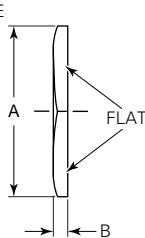


Mounting Hardware

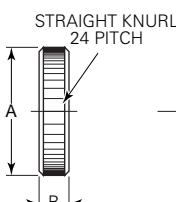
Disc



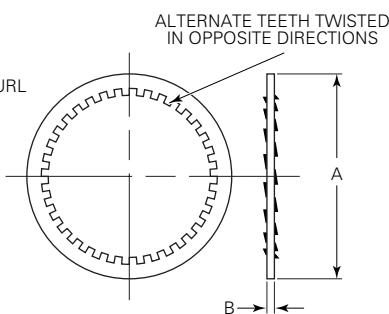
Hex Nut



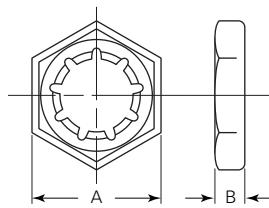
Knurled Nut



Lockwasher

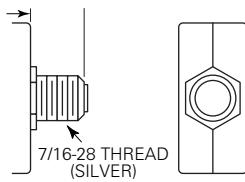


Pal Nut

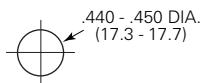


Mounting Bushing

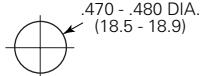
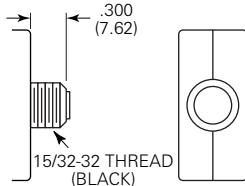
Type 1



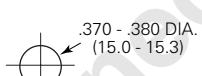
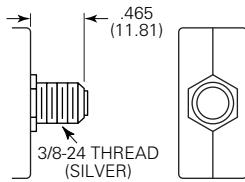
Recommended Cutout



Type 4



Type 6



Mounting Hardware Dimensions

	Dim.	Hex.	Knurled	L/W	Pal
A.	3/8"	.556	.562	.562	.562
	7/16"	.625	.625	.540	.625
	15/32"	.556	.625	.600	.625
B.	3/8"	.085	.078	.018	.140
	7/16"	.078	.125	.022	.111
	15/32"	.078	.125	.018	.090

Mounting Hardware Ordering Information

Mounting Bushing Code	Knurl Nut	Hex Nut	Pal Nut	Washer	Push to Reset Disc
1	55-010A	55-011A	16S086B	88-021B	33-012A
4	•	55-001B	16S086C	88-002A	33-012C
6	55-008A	55-001D	16S086A	88-006K	33-012B

• 55-010B (silver) 55-010E (black)