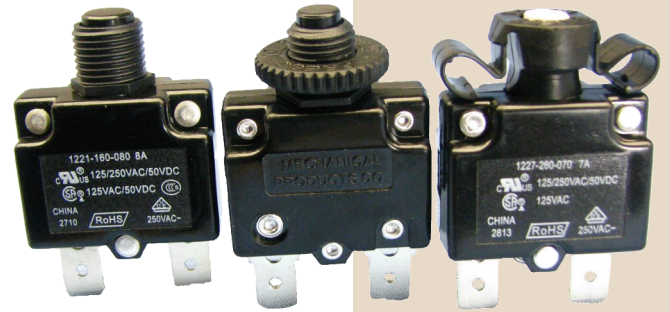


MP Series 12

Push to Reset Thermal Circuit Breaker



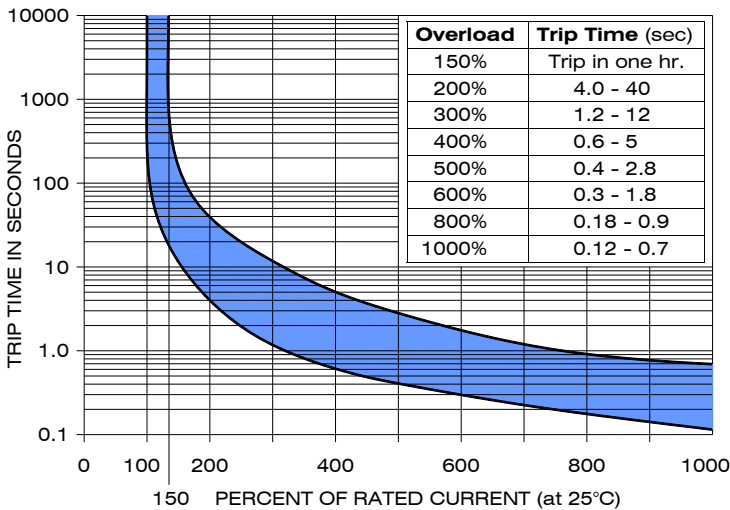
Series 12 Features

- 3 - 20 Ampere rating
- Compact Design
- Cycling Trip-Free
- Variety of mounting & termination options

Series 12 Technical Data

Rated Voltage	125/250VAC, 50VDC
Rated Current	3 to 20 Amperes
Interrupt Capacity	1000A (UL1077)
Dielectric Strength	1500VAC
Insulation Resistance	≥ 100Mohm, 500VDC
Reset Overload Capacity	10x rated current
Voltage Drop	< 0.25 Volts
Operating Temperature	-10°C to +60°C

Series 12 Typical Trip Curve



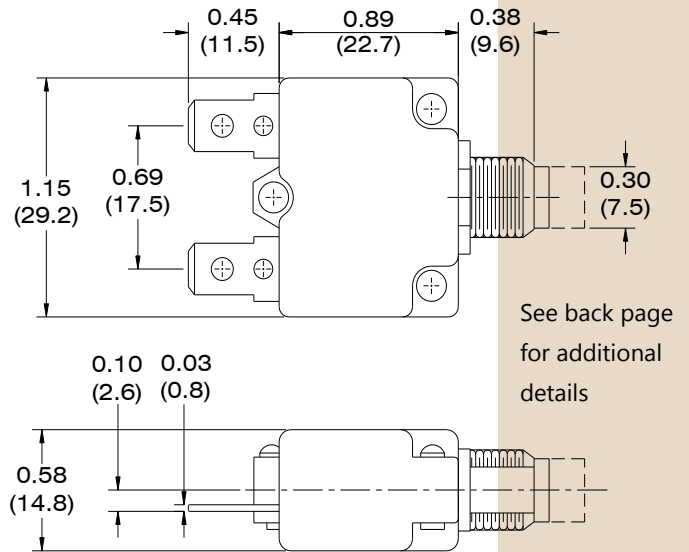
Typical Temperature Correction

Current Rating	°F	+14	32	50	68	77	86	104	122	140
	°C	-10	0	+10	20	25	30	40	50	60
3 - 4A		.70	.75	.82	.90	1.00	1.10	1.25	1.61	2.15
4 - 20A		.77	.85	.90	.95	1.00	1.05	1.15	1.25	1.40

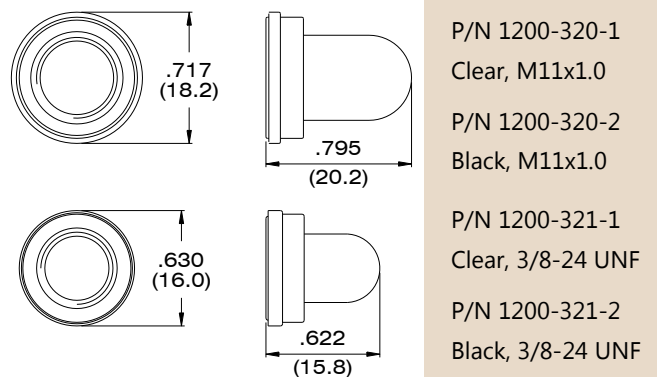
Series 12 Approvals

UL/cUL:	3 - 20A, 125/250VAC, 50VDC
CCC:	5 - 20A, 125/250VAC, 50VDC
VDE:	5 - 16A, 250VAC CSA: 3 - 15A, 125 VAC

Physical Configuration



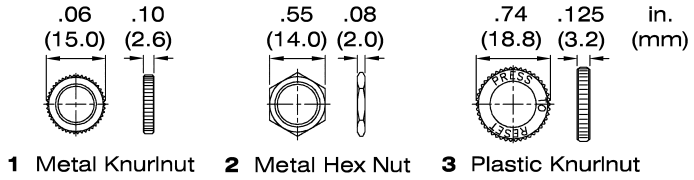
Optional Sealing Boots



Series 12 Part Numbering Guide

(G) Mounting Hardware

- 1 = Metal knurl nut, for M11, M12, or 3/8-24 in.
- 2 = Metal hex nut, for M11, M12, or 3/8-24 in.
- 3 = Plastic knurl nut, for M11 or 3/8-24 in. only
- 4 = Metal knurl nut & metal hex nut (combines #1 & #2)
- 5 = Metal hex nut & plastic knurl nut (combines #2 & #3)
- 6 = Two metal hex nuts (two of #2 above)

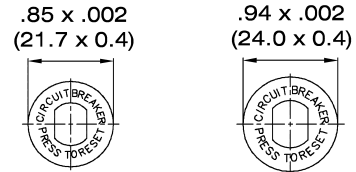


(F) Hardware Packaging

B = Bulk Packed

(E) Ampere Ratings

030 = 3A	060 = 6A	090 = 9A	150 = 15A
040 = 4A	070 = 7A	100 = 10A	160 = 16A
050 = 5A	080 = 8A	120 = 12A	200 = 20A



- 1 Embossed aluminum
- 2 Silver printing on black

(H) Nameplate

- 0 = No Nameplate
- 1 = Embossed Aluminum

P/N: 12 2 B - C D 0 - E E E - F G H

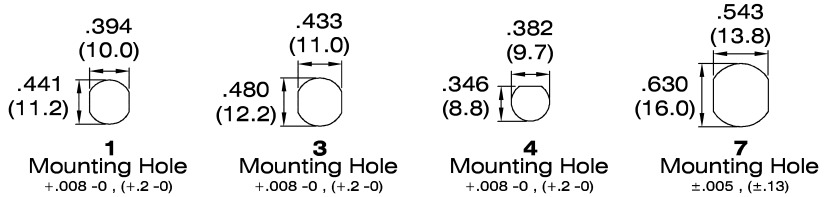
(Hardware is optional. Leave 3 FGH digits blank if no hardware is required.)

Series Number

12 = Series 12 Circuit Protector

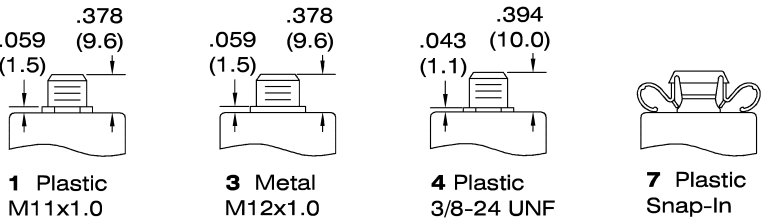
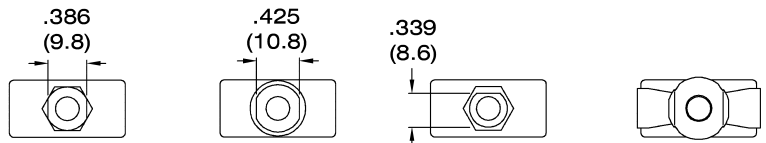
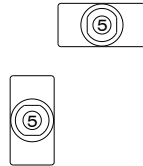
(B) Mounting Bushing right

- 1 = Plastic, M11 x 1.0
- 3 = Metal, M12 x 1.0
- 4 = Plastic, 3/8-24 UNF
- 7 = Plastic, Snap-In



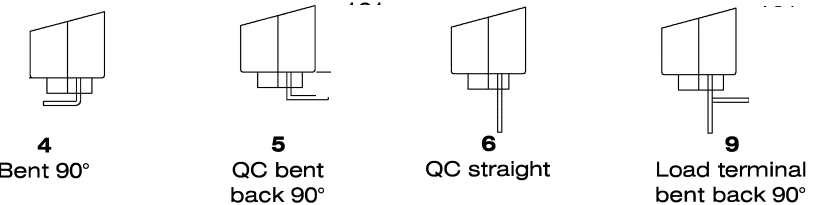
(C) Button

- 1 = Black, no amp stamp
- 2 = White, no amp stamp
- 3 = Black, white perpendicular amp stamp
- 4 = White, red perpendicular amp stamp
- 5 = White, black perpendicular amp stamp
- 6 = Black, white parallel amp stamp
- 7 = White, red parallel amp stamp
- 8 = White, black parallel amp stamp



(D) Terminals, .250 inch Tab right

- 4 = Bent 90°
- 5 = Bent back 90°
- 6 = Quick Connect, straight
- 9 = Load terminal bent backward 90°



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WARNING: CANCER & REPRODUCTIVE HARM - www.P65Warnings.Ca.Gov/

For More Information visit www.mechprod.com/MP_Prop_65