



SERIES 12

RAISING THE BAR
MP - COUNT ON IT

Economical & Compact

Push to Reset

3 to 20 AMP

Ignition Protected

Cycling Trip Free

UL1077



SUPERIOR CIRCUIT PROTECTION

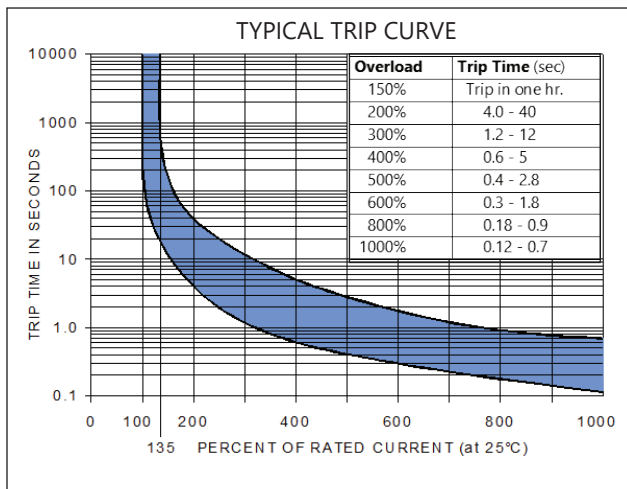
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Series 12 Overview

The MP Series 12 circuit breakers are designed for various applications in Household Appliances, Power Strips, Audio Visual Equipment, Marine Panels, Transportation, and more. They are available in various threaded and snap-in bushings, along with multiple Quick Connect terminal variations. Economically priced, these Series 12 thermal circuit breakers are the choice where space and price are vital to the application

Series 12 Specifications

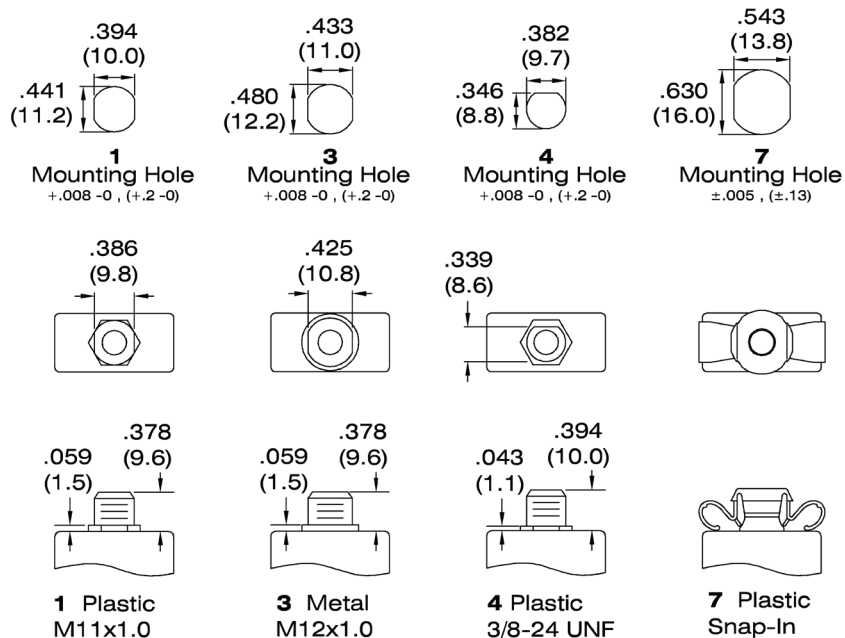
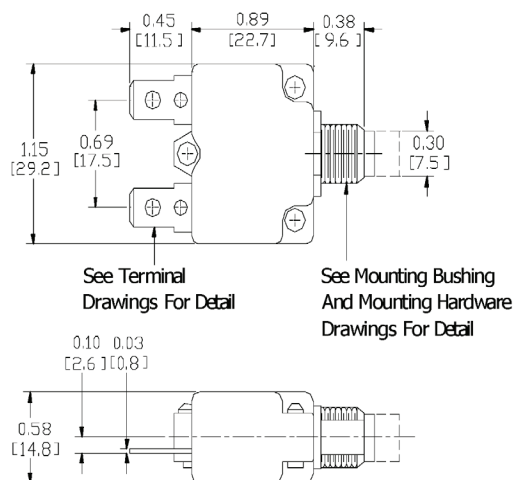
Standard Amp Ratings	3, 4, 5, 6, 7, 8, 9, 10, 12, 15, 16, & 20 Amp
Maximum Voltage Ratings	125/250VAC, 50VDC
Dielectric Strength	1,500VAC Minimum
Interrupt Capacity (AIC)	1000 AIC (UL1077) Pending UL update to AIC: 2,500 AIC, 14VDC / 1,500 AIC, 28VDC (UL1077)
Overload Reset Capacity	6x AC, 10x DC (UL OL1)
Operating Temperature Range	-10°C to +60°C
Insulation Resistance	> 100Mohm, 500VDC
Voltage Drop	< 0.25 Volts
Ignition Protected	Complies with ABYC E-11
Regulatory Compliance Summary	UL/cUL: 3 - 20A, 125/250VAC, 50VDC CCC: 5 - 20A, 125/250VAC, 50VDC VDE: 5 - 16A, 250VAC CSA: 3 - 15A, 125 VAC OL1 rated for motor loads



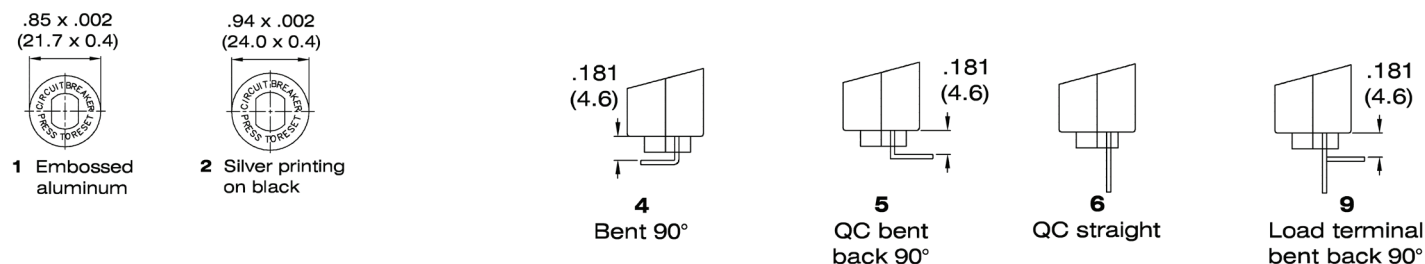
Series 12 Typical Temperature Correction

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
5 - 20A		.77	.85	.90	.95	1.00	1.05	1.15	1.25	1.40

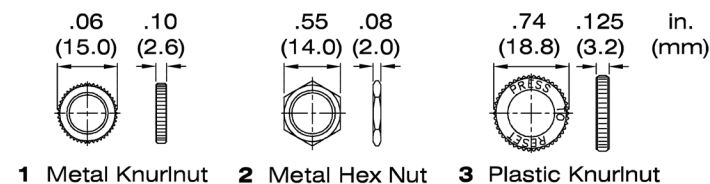
Series 12 Physical Configuration



Series 12 Nameplate



Series 12 Mounting Hardware



Series 12 Part Numbering Guide

P/N:

1 2 2 - **0** - **B**

Series Number

12 = Series 12 Circuit Protector

Mounting Bushing

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

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



Terminals, .250" Tab

4 = Bent 90°
5 = Bent back 90°
6 = Quick Connect, Straight
9 = Load termina bent backward 90°

Hardware Packaging

B = Bulk Packed

Amp Ratings

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

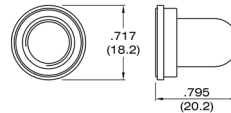
Mounting Hardware

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)

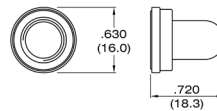
Nameplate

0 = No nameplate
1 = Embossed aluminum
2 = Silver printing on black

Series 12 Optional Sealing Boots



P/N 1200-320-1 = Clear, M11x1.0
P/N 1200-320-2 = Black, M11x1.0



P/N 1200-321-1 = Clear, 3/8-24 UNF
P/N 1200-321-2 = Black, 3/8-24 UNF



For 3D CAD:

www.mechprod.com/3d-models-catalog

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WARNING: Cancer & Reproductive Harm
www.p65warnings.ca.gov/

Specifications subject to change

QC-4003-E