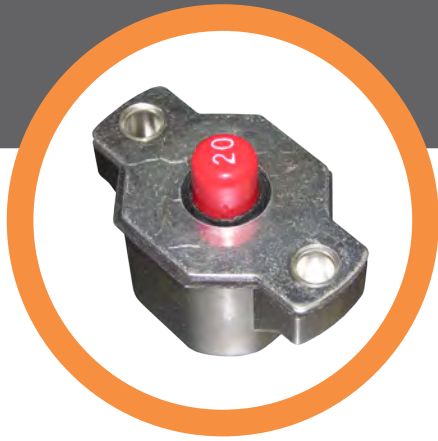




# KLIXON® | C Series (CA, CM, CDA, CDM)

## 2 to 40 Amp Commercial Thermal Circuit Breaker

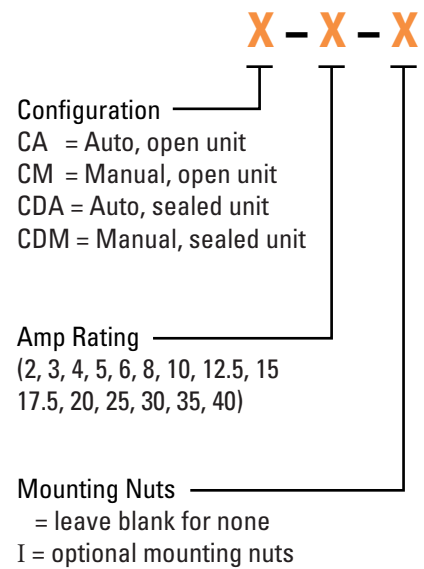
### FEATURES

- 30VDC or 120VAC, 2 to 40 Amps
- Open and closed construction
- Automatic and manual reset options
- Ignition protected SAE J1171
- Weatherproof SAE J553
- UL Recognized E36869

### DESCRIPTION

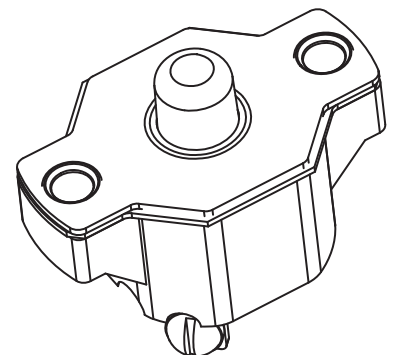
The KLIXON® C series thermal breakers are designed to protect wiring and meet the harshest environmental requirements. The C series closed construction circuit breakers are weatherproof sealed for protection against moisture, dust, grease, fuel vapors and other harsh environments. The C series breakers are compact, lightweight and designed to interrupt short circuits or overloads, and combine trip-free protection with fast response time. Typical applications are protection of wire cable of accessory circuits, equipment and battery protection in construction and off-road equipment, marine, recreational vehicles (RV's), mining, agricultural equipment and electric (hybrid) vehicles.

### ORDERING INFORMATION

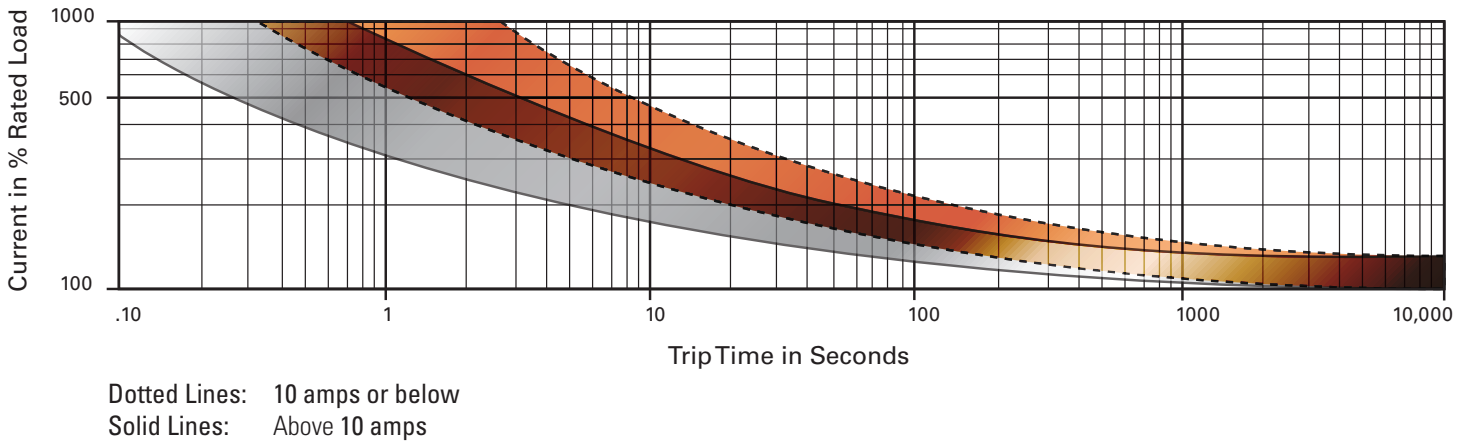


### PERFORMANCE CHARACTERISTICS

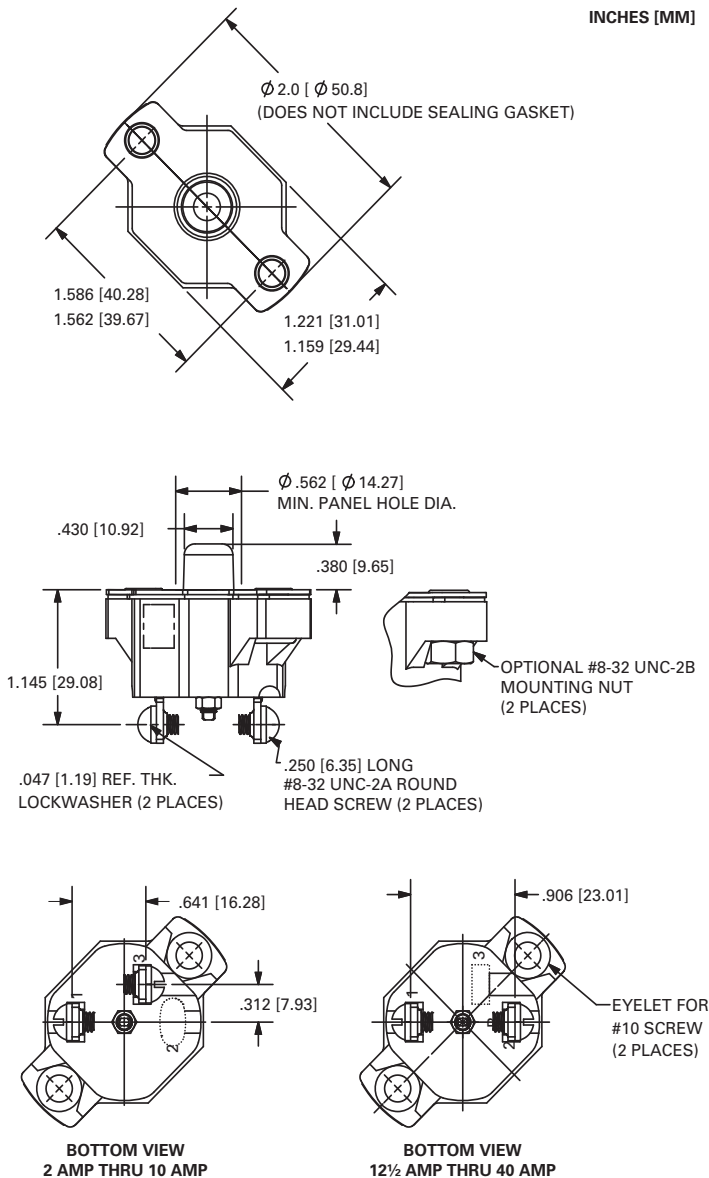
|                                               |                                                                                  |
|-----------------------------------------------|----------------------------------------------------------------------------------|
| Calibration : 200% rated current, 77°F (25°C) | 2 to 10 amps : 20 to 150 seconds<br>12.5 to 40 amps : 5 to 55 seconds            |
| Ultimate Trip at 77°F (25°C)                  | Must hold 100%, Must trip 135%                                                   |
| Endurance                                     | Per SAE J553                                                                     |
| Interrupt Current Capacity                    | Per SAE J553 and ABYC E-11                                                       |
| Vibration                                     | 10G MIL-STD-202 Method 204, Condition A                                          |
| Salt Spray                                    | MIL-STD-202 Method 101D (sealed only)                                            |
| Dielectric Strength                           | MIL-STD-202 Method 301, 1500VAC min                                              |
| Insulation Resistance                         | MIL-STD-202 Method 302, Condition B, 100 MΩ min                                  |
| Weight (with mounting nuts)                   | CDM: 48 grams max    CDA: 41 grams max<br>CM : 37 grams max    CA : 32 grams max |



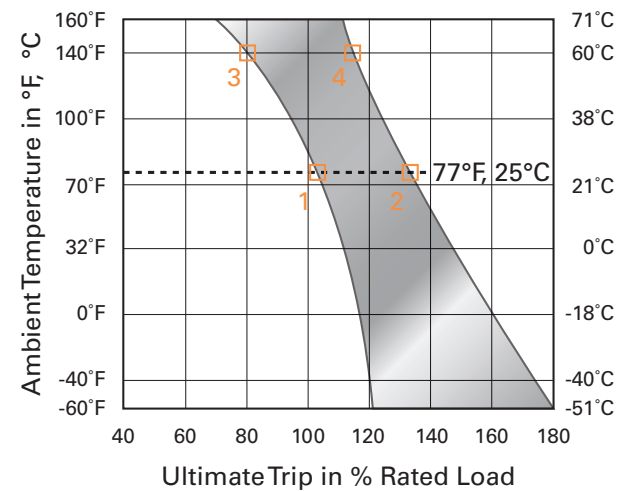
## TRIP CURVE - Approximate Time, Current Characteristics At 77°F (25°C)



## DIMENSIONS



## DERATING CURVE



Performance characteristics are based on room temperature (77°F, 25°C). Consult derating curve for ambient temperatures significantly higher or lower than standard room temperature.

*Example:* At 77°F (25°C) the device is calibrated to hold at 100% of rated current (1) and trip at 135% of rated current (2). At 140°F (60°C), the same device will hold at approximately 78% of rated current (3), and trip at approximately 115% of rated current (4).

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## BUSINESS CENTER

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