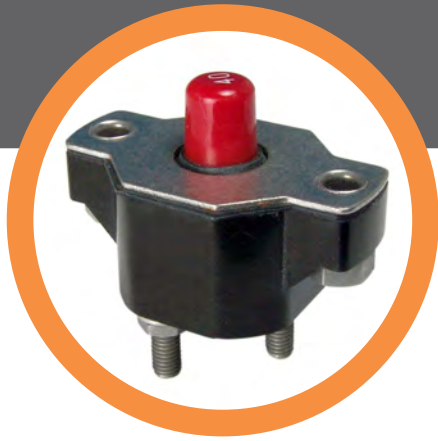




# KLIXON® | 7851 & 7854 Series

## 12.5 to 60 Amp Commercial Thermal Circuit Breaker

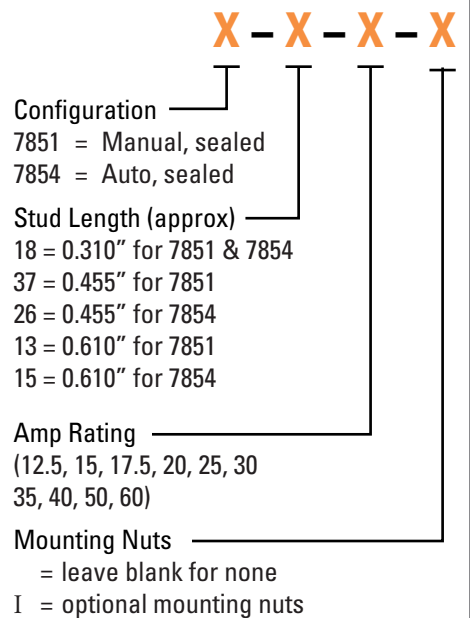
### FEATURES

- 30VDC or 120VAC, 12.5 to 60 Amps
- Sealed assemblies, manual and automatic reset options
- Ignition protected SAE J1171
- Weatherproof SAE J553
- UL Recognized E36869

### DESCRIPTION

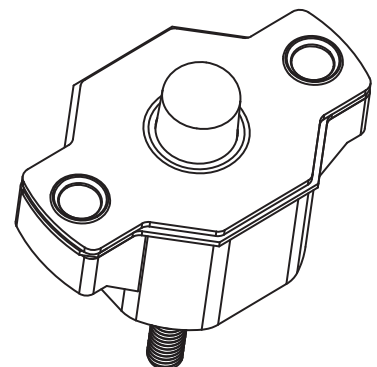
The KLIXON® 7851 and 7854 series thermal breakers were designed to protect wiring and meet the harshest environmental requirements. The 7851 and 7854 series closed construction circuit breakers are weatherproof sealed for protection against moisture, dust, grease, fuel vapors and other harsh environments. The 7851 and 7854 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

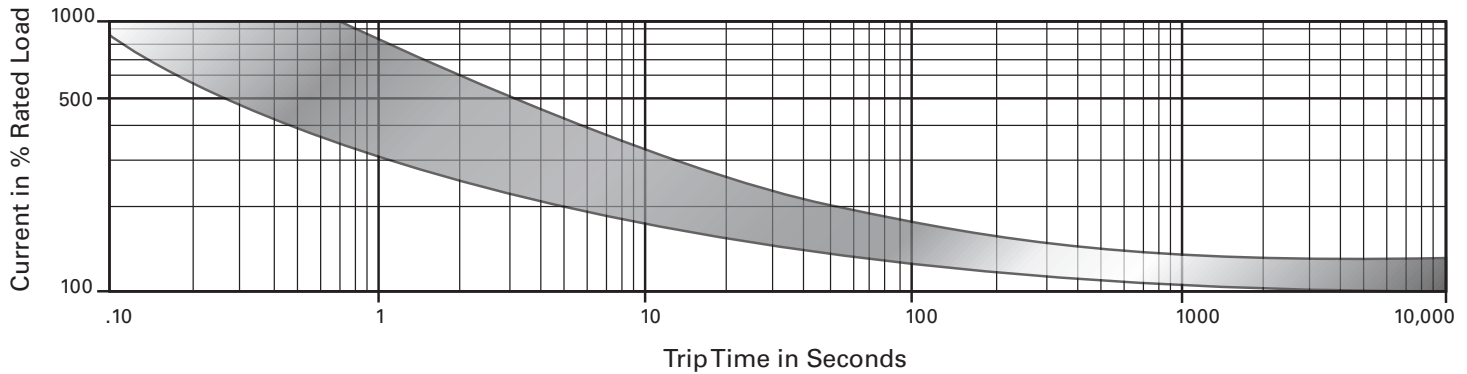


### PERFORMANCE CHARACTERISTICS

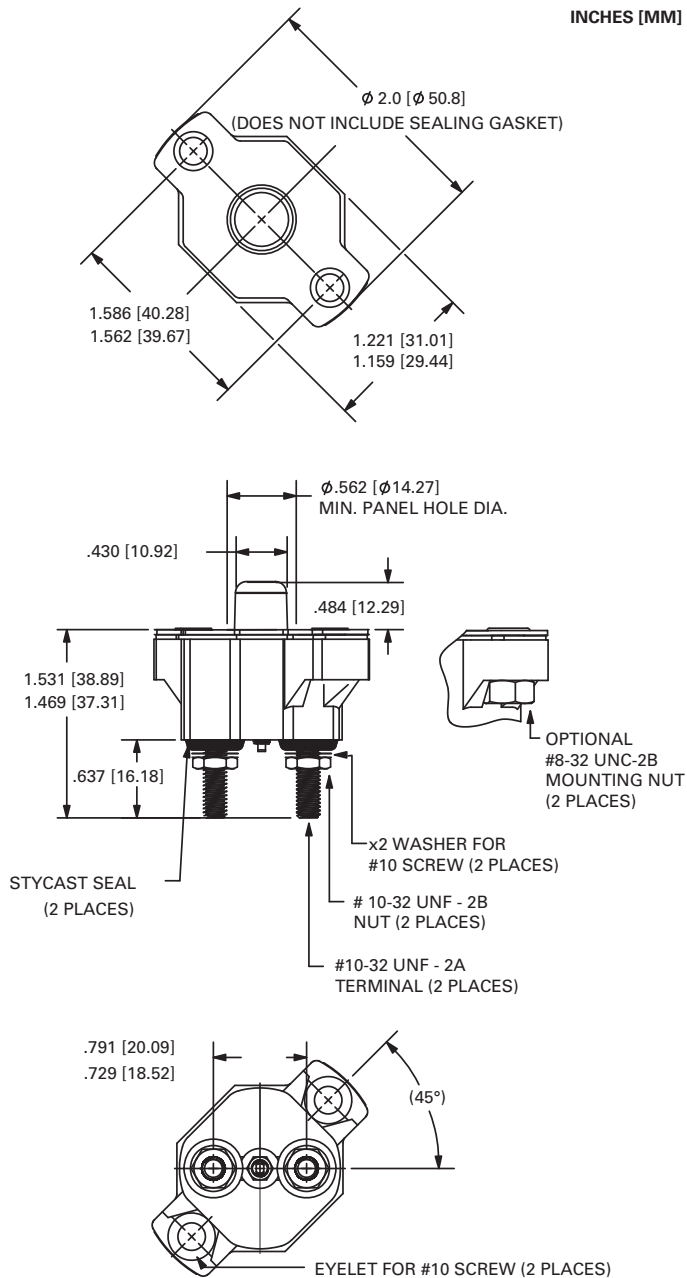
|                                               |                                                |
|-----------------------------------------------|------------------------------------------------|
| Calibration : 200% rated current, 77°F (25°C) | 12.5 to 60 amps : 5 to 55 seconds              |
| Ultimate 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                        |
| Dielectric Strength                           | MIL-STD-202 Method 301, 1500VAC min            |
| Insulation Resistance                         | MIL-STD-202 Method 302, Condition B, 100MΩ min |
| Weight (with mounting nuts)                   | 7851 : 54 grams max<br>7854 : 49 grams max     |



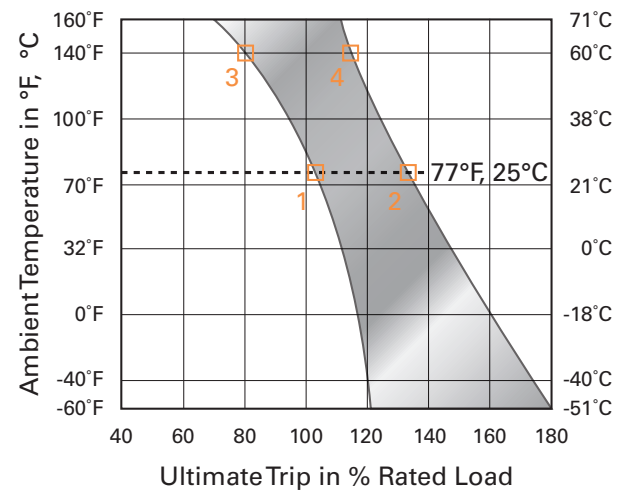
## TRIP CURVE - Approximate Time, Current Characteristics At 77°F (25°C)



## 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

**Sensata Technologies Inc.**  
529 Pleasant Street  
Attleboro, MA 02703, USA  
Phone: +1 508-236-3800  
Fax: +1 508-236-2349

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