



# Sensata Technologies

## 7855 SERIES



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## | 7855 SERIES

### 175 TO 200 AMP COMMERCIAL THERMAL CIRCUIT BREAKER

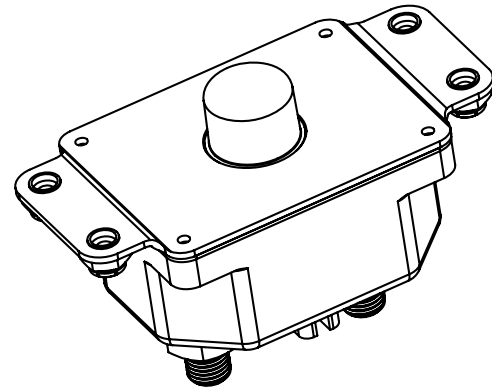
#### Introduction

The KLIXON® 7855 series thermal breaker are designed to meet the harshest environmental requirements. The 7855 series breakers are weatherproof for protection against moisture, dust, grease, fuel vapors and other harsh environments. The 7855 series breakers are designed to interrupt short circuits or overloads and combine trip free protection with fast response time. The 7855 series of breakers typical applications are protection of wire and cable of accessory circuits, military vehicles, lift gates, and recreational vehicles.



#### Features

- 30VDC, 175 to 200 Amps
- Sealed assemblies, manual and automatic reset options
- Ignition protected
- 7855-6 meets CID A-A-55571/03 specifications
- 7855-7 meets CID A-A-55571/08 specifications



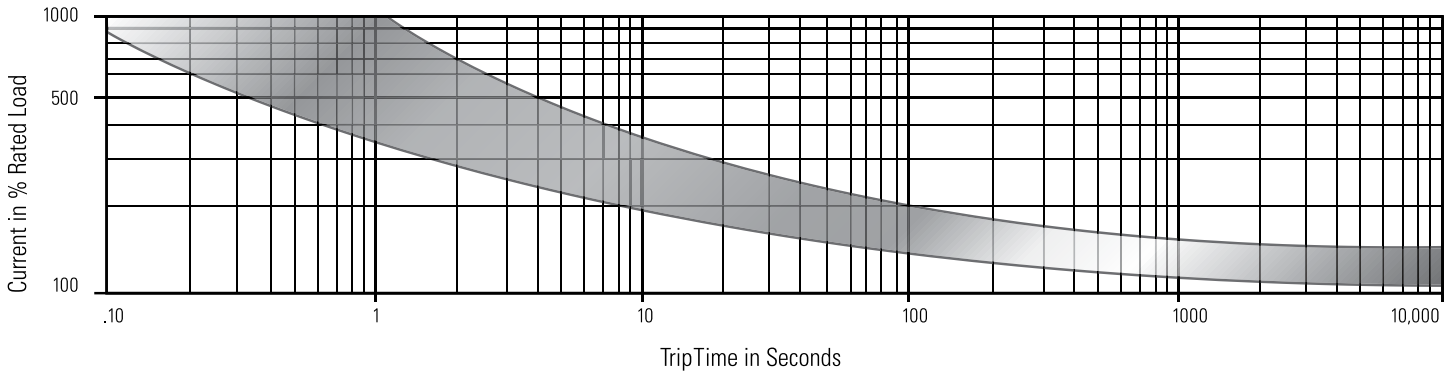
#### SPECIFICATIONS

<b>Calibration : 200% rated current, 77°F (25°C)</b>	8 to 100 seconds
<b>Ultimate Trip At 77°F (25°C)</b>	Must hold 100%, Must trip 138%
<b>Endurance</b>	Manual 500 cycles @ 200% Automatic 2000 cycles @ 200%
<b>Interrupt Current Capacity</b>	3,000A @ 28 VDC
<b>Vibration</b>	10G MIL-STD-202 Method 204, Condition A
<b>Dielectric Strength</b>	MIL-STD-202, Method 301, 1500VAC min
<b>Insulation Resistance</b>	e MIL-STD-202, Method 302, Condition B, 100 MΩ min
<b>Weight</b>	ht 7855-6 : 241 grams max 7855-7 : 237 grams max



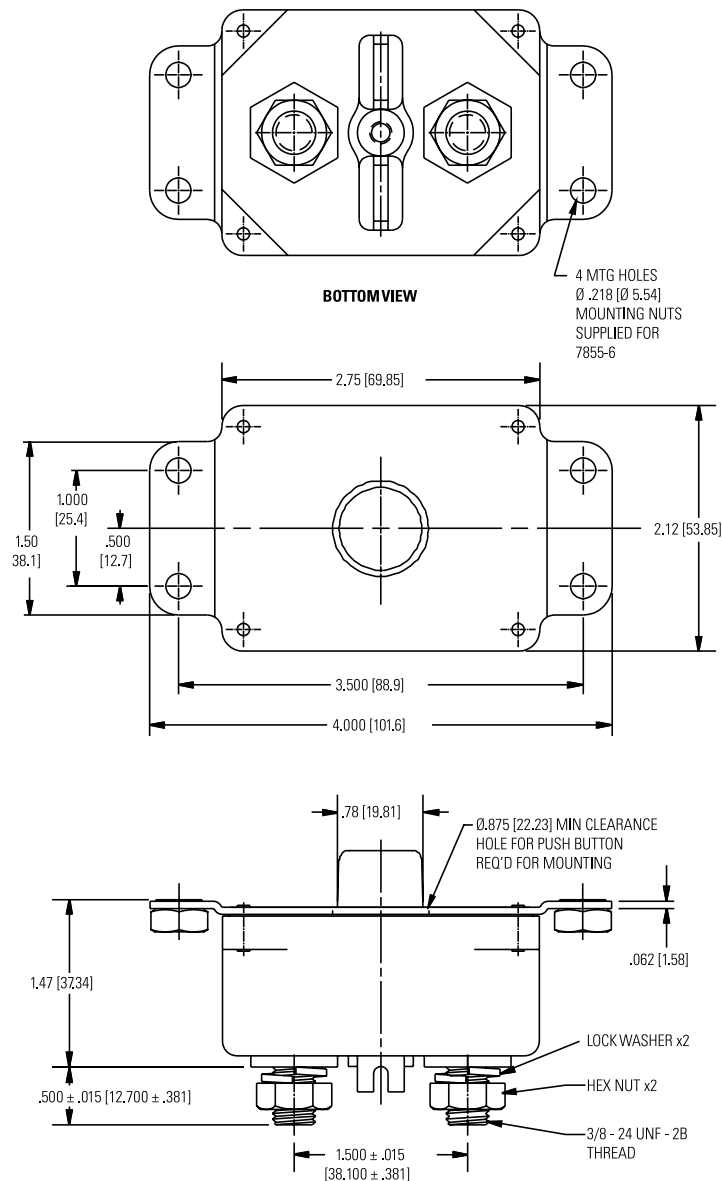
## TRIP CURVE

Approximate Time, Current Characteristics At 77°F (25°C)



## DIMENSIONS

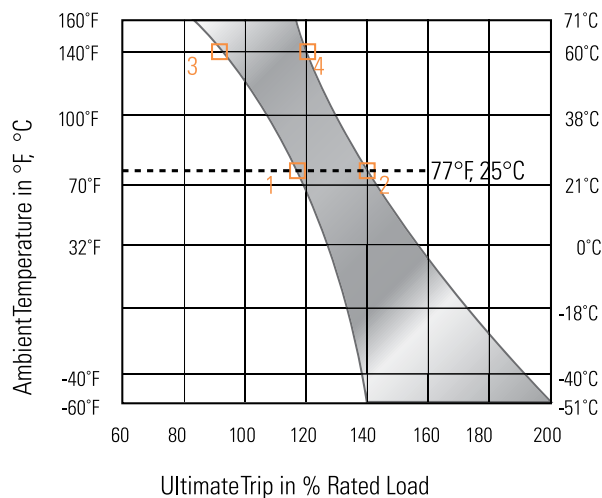
All dimensions are in inches [mm]





## 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 110% of rated current (1) and trip at 138% of rated current (2). At 140°F (60°C), the same device will hold at approximately 92% of rated current (3), and trip at approximately 120% of rated current (4).



## ORDERING OPTIONS

Example : 7855-6-175

### Configuration

7855-6: Manual, sealed  
7855-7: Auto, sealed

### Amp Rating

175  
200

7855-6

175

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