

KLIXON® | 7855 Series

175 to 200 Amp Commercial Thermal Circuit Breaker

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

DESCRIPTION

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.

ORDERING INFORMATION

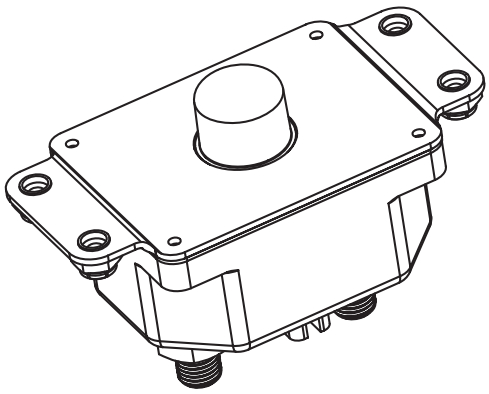
X – X

Configuration
7855-6 = Manual, sealed
7855-7 = Auto, sealed

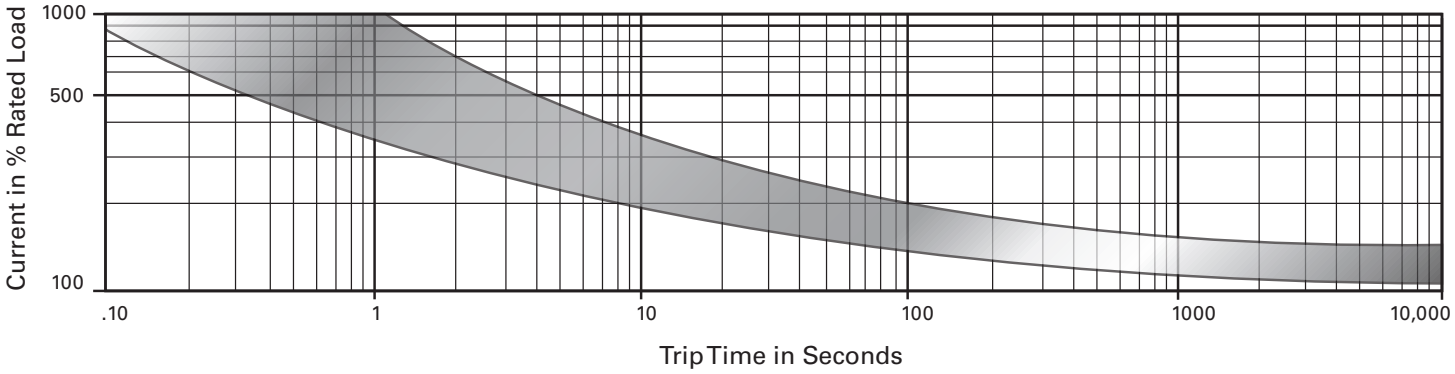
Amp Rating
(175, 200)

PERFORMANCE CHARACTERISTICS

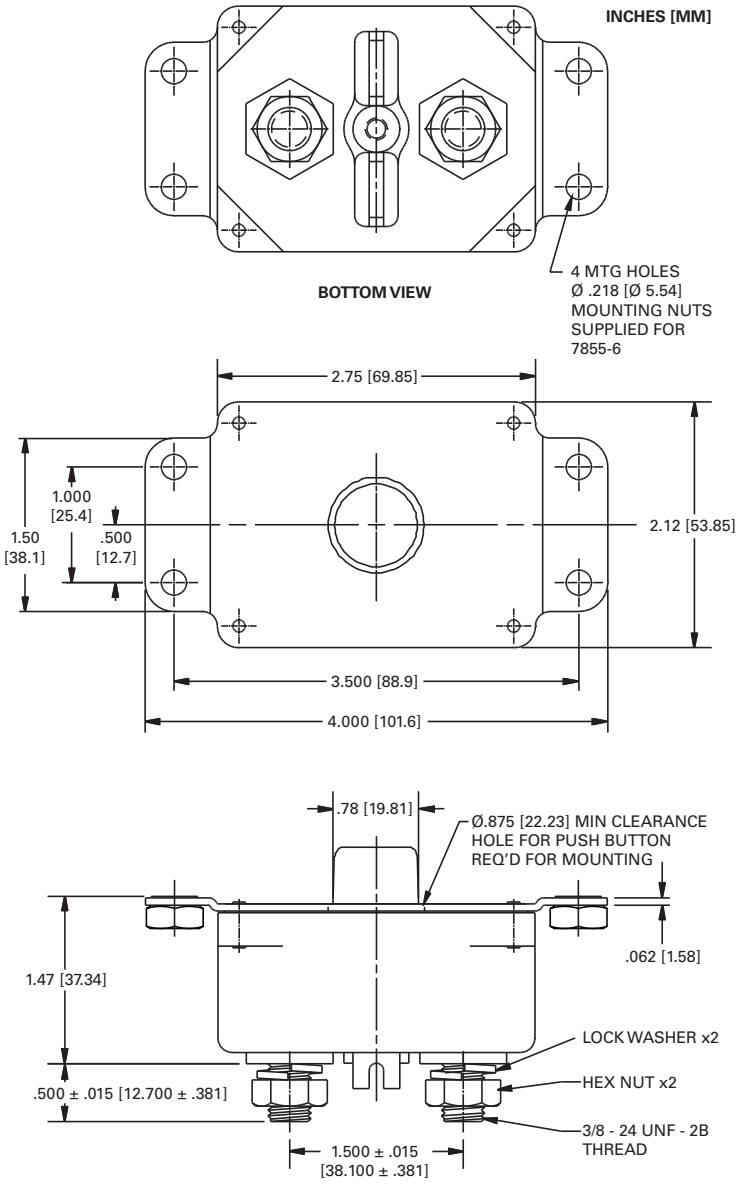
Calibration : 200% rated current, 77°F (25°C)	8 to 100 seconds
Ultimate Trip At 77°F (25°C)	Must hold 100%, Must trip 138%
Endurance	Manual 500 cycles @ 200% Automatic 2000 cycles @ 200%
Interrupt Current Capacity	Per SAE J1625, 900A
Vibration	10G MIL-STD-202 Method 204, Condition A
Dielectric Strength	MIL-STD-202, Method 301, 1500VAC min
Insulation Resistance	MIL-STD-202, Method 302, Condition B, 100 MΩ min
Weight	7855-6 : 241 grams max 7855-7 : 237 grams max



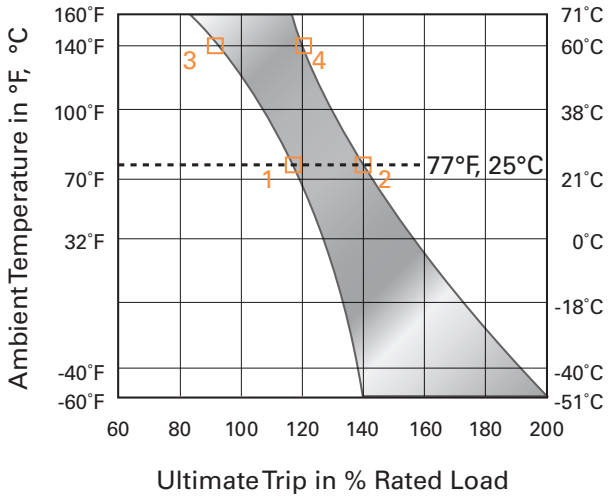
TRIP CURVE - Approximate Time, Current Characteristics At 77°F (25°C)



DIMENSIONS - 7855-6



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).

BUSINESS CENTER

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Sensata Technologies

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