KLIXON® | 6766-19 Series

35 to 150 Amp Commercial Thermal Circuit Breaker

FEATURES

- 30VDC, 35 to 150 Amps
- Manual reset
- Weatherproof SAE J1625 and ideally suited for rugged applications
- Ignition protected SAE J1171

DESCRIPTION

The KLIXON® 6766-19 series is a manually switchable thermal circuit breaker that is designed to meet the harshest environmental requirements. The 6766-19 series breakers are weatherproof for protection against moisture, dust, grease, fuel vapors, and other harsh environments. The 6766-19 series of breakers is suited for rugged applications, where a robust switchable breaker is required for accessory, equipment and battery protection on heavy trucks, buses, construction equipment, off-road vehicles, marine, recreational vehicles (RVs) and electric (hybrid) vehicles.

ORDERING INFORMATION

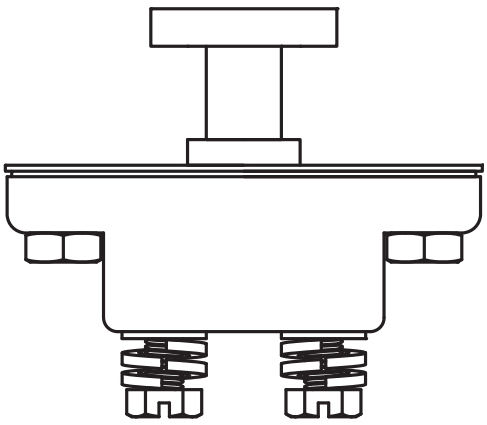
X – X

Configuration
6766-19 = Manual, sealed

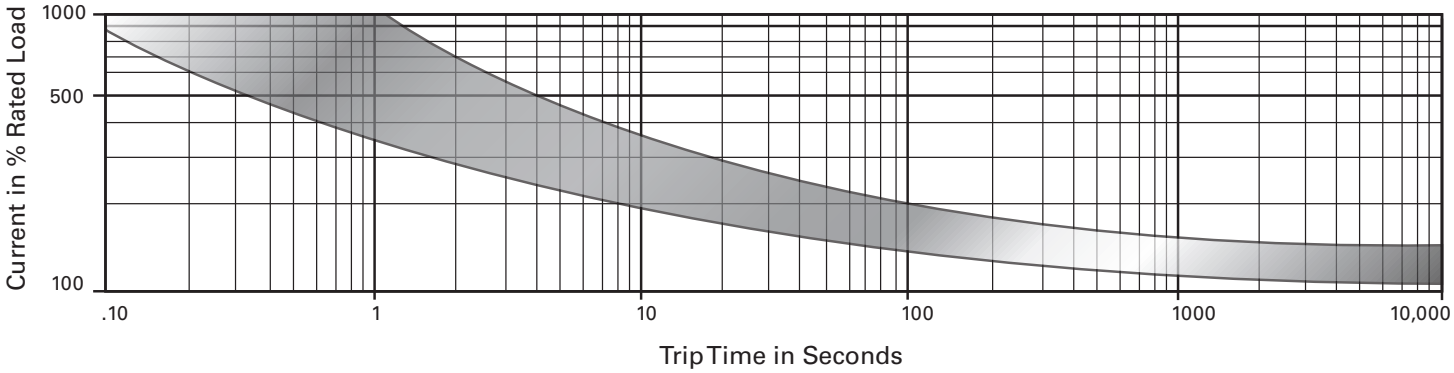
Amp Rating
(35, 40, 45, 50, 60, 70, 80, 90 105, 120, 135, 150)

PERFORMANCE CHARACTERISTICS

Calibration : 200% rated current, 77°F (25°C)	35 to 150 Amps : 8 to 100 seconds
Ultimate Trip At 77°F (25°C)	Must hold 100%, Must trip 135%
Endurance	Per SAE J1625
Interrupt Current Capacity	Per SAE J1625 and ABYC E-11
Vibration	Per SAE J1455, 4G's, 10-2K Hz
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)	6766-19 : 129 grams max

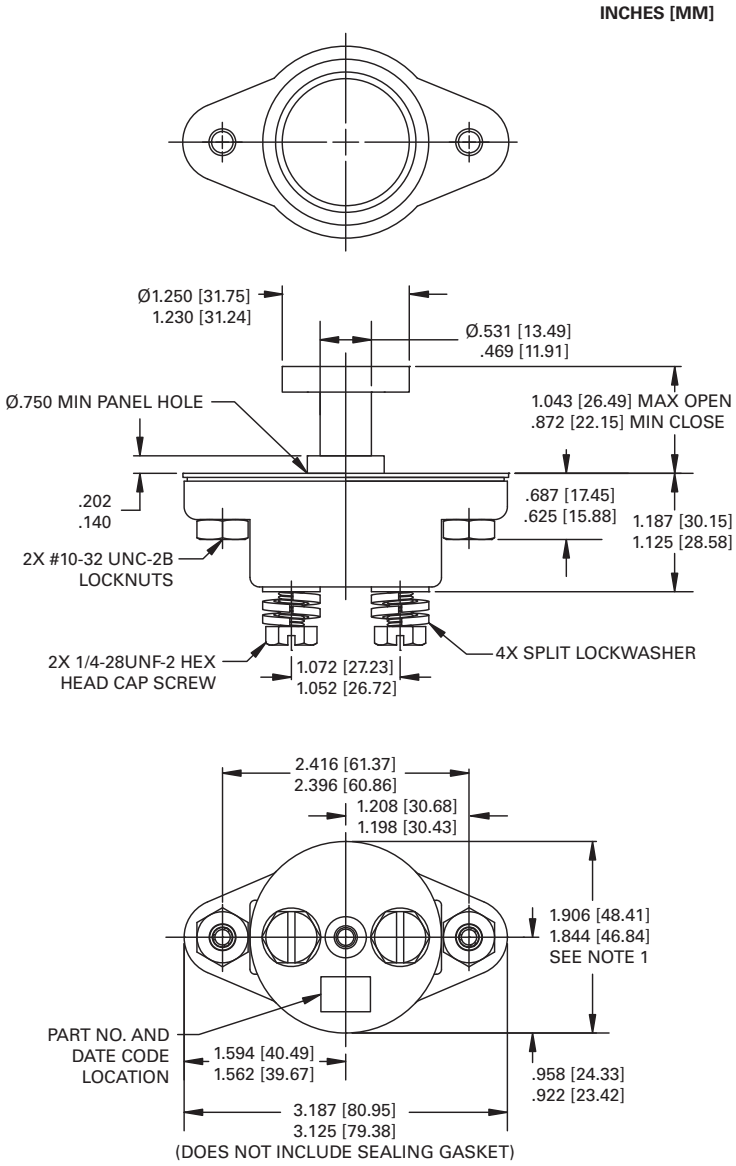


TRIP CURVE - Approximate Time, Current Characteristics At 77°F (25°C)

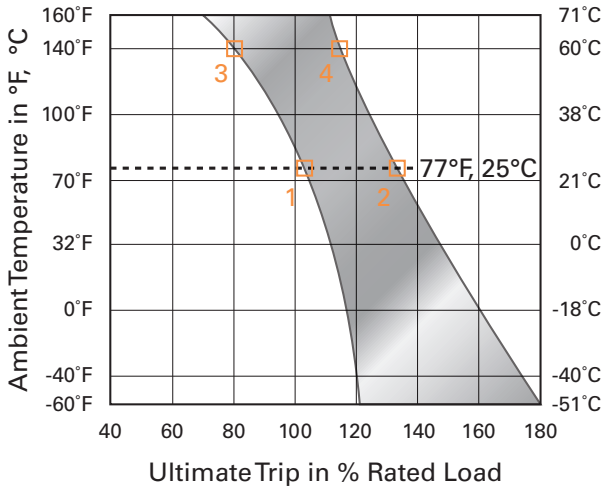


DIMENSIONS - 6766-19

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 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).

BUSINESS CENTER

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Sensata Technologies

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