

T H E R M O M E T R I C S
A COMMITMENT TO EXCELLENCE

GE-2133

General Fluid Temperature Sensors



Thermometrics GE-2133 Series of General Fluid Temperature Sensors measures and monitors the temperature of a variety of fluids. The spring clip design secures the sensor in place and provides a quick means for installation and removal. (Clip is not included.)

Applications

- Battery Coolant Temperature
- Refrigerant Temperature
- Outside Air Temperature
- Engine Coolant Temperature

Features

- Low price
- High sensitivity
- Wide application range
- Compact design
- Easy installation
- Validated to ISO 16750-Z-A-O-D-A
- Mounting Clip available separately through Amphenol Advanced Sensors or Distribution as the RV-2039

Amphenol

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GE-2133 Specifications

Operating Temperature:

-40°F to 257°F (-40°C to 125°C)

Storage Temperature:

-40°F to 194°F (-40°C to 90°C)

Response time:

Less than 10 seconds in liquid; less than 25 seconds in air.

| | GE-2133 |
|--------------|-------------------------|
| R25°C (77°F) | 9,850 – 10,150 Ω |
| B(25/85)°C | 3957 - 3990 |

Housing Material

Polyamide 6/6

Weight

3.4 grams

Mating Connector

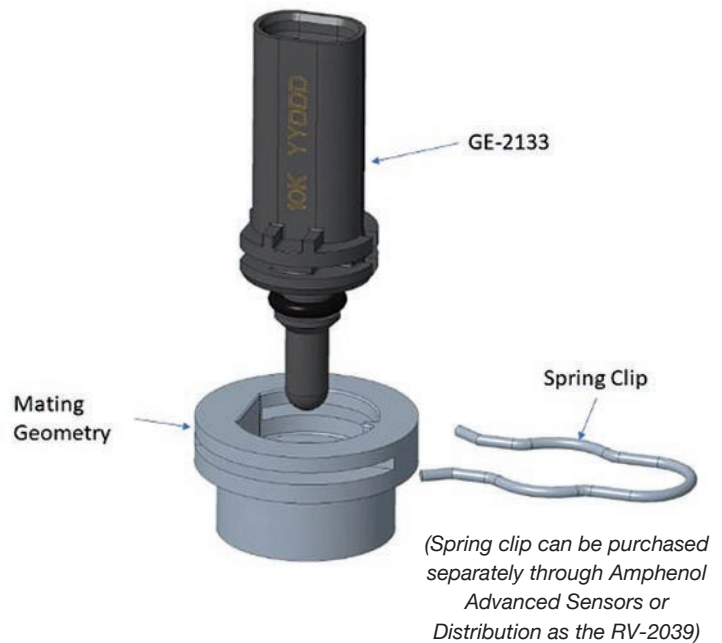
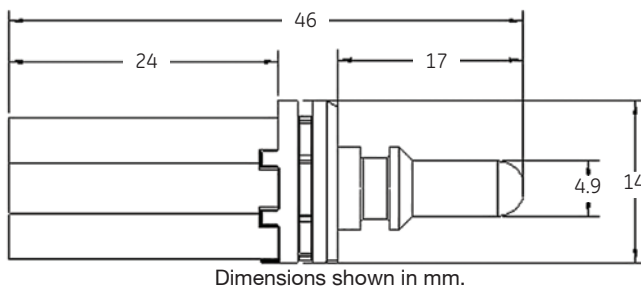
FEP 42831300 or Equivalent, USCAR 2 Way 1.2MM Sealed System per USCAR 120-S-002-1-Z02 KEY Option A, Mating Terminals to be Tin Plated. Connection system rated to IPX 4K X 9K.

RvT Table*

| GE-2133 | | |
|------------|-------------------------|-----------------|
| Temp. (°C) | Resistance (Ω) | Tolerance (+/-) |
| -40 | 332,776 | 5.95 |
| -20 | 96,481 | 4.24 |
| 0 | 32,566 | 2.71 |
| 20 | 12,486 | 1.72 |
| 25 | 10,000 | 1.50 |
| 60 | 2,490 | 2.84 |
| 100 | 678.1 | 4.19 |
| 120 | 387.3 | 4.59 |
| 125 | 339.5 | 4.69 |

*Other resistance and tolerance options are possible.

Dimensions



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www.amphenol-sensors.com

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