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

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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.

<table>
<thead>
<tr>
<th>GE-2133</th>
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</thead>
<tbody>
<tr>
<td>R25°C (77°F)</td>
<td>9,850 – 10,150 Ω</td>
</tr>
<tr>
<td>B(25/85)°C</td>
<td>3957 - 3990</td>
</tr>
</tbody>
</table>

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*

<table>
<thead>
<tr>
<th>GE-2133</th>
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<tbody>
<tr>
<td>Temp. (°C)</td>
<td>Resistance (Ω)</td>
</tr>
<tr>
<td>-40</td>
<td>332,776</td>
</tr>
<tr>
<td>-20</td>
<td>96,481</td>
</tr>
<tr>
<td>0</td>
<td>32,566</td>
</tr>
<tr>
<td>20</td>
<td>12,486</td>
</tr>
<tr>
<td>25</td>
<td>10,000</td>
</tr>
<tr>
<td>60</td>
<td>2,490</td>
</tr>
<tr>
<td>100</td>
<td>678.1</td>
</tr>
<tr>
<td>120</td>
<td>387.3</td>
</tr>
<tr>
<td>125</td>
<td>339.5</td>
</tr>
</tbody>
</table>

*Other resistance and tolerance options are possible.

Dimensions

Dimensions shown in mm.

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www.amphenol-sensors.com

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