Features / Benefits

The Stoneridge Seat Track Position Sensor is contactless, self-contained and completely sealed against the environment. Stoneridge employs an advanced magnetic circuit and retained magnet which operates with a large sensing air gap.

- Fully encapsulated electronics
- Flexible switch points and high gap tolerance
- A family of sensors fits multiple applications
- Low cost designs
- Excellent field performance on several OEM platforms
- Application: Dual Stage Airbags

Performance Characteristics

Electrical

Supply Voltage: 5 - 18 VDC

<table>
<thead>
<tr>
<th>Min</th>
<th>Max</th>
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<tbody>
<tr>
<td>4 ma</td>
<td>7 ma</td>
</tr>
<tr>
<td>11.9 ma</td>
<td>19.6 ma</td>
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</tbody>
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Response Time: 5 µs

Mechanical

Mounting Features: Customer Specified
Connector: Customer Specified
Envelope: Customer Specified

Environmental

Vibration: Random - 15 g's, 50 hrs/plane
Mechanical Shock: 30 g's, 10 ms half-sine pulse
Operational Temp. Range: -40°C to 85°C
Thermal Shock: -50°C to 150°C
Humidity: 95% RH @ 30° - 80°C, 9 days
Seat Track Position Sensor

Stoneridge is an independent designer and manufacturer of highly engineered electrical and electronic components, modules and systems principally for the automotive, light/medium/heavy-duty truck, agricultural and off-highway vehicle markets. Our products provide engineered solutions that improve the efficiency and performance of electric and electronic systems.

The Control Devices Group focuses on products that sense, switch and control a specific function. Our key technologies include:

- Electromechanical Actuators
- Customer Actuated Switches
- Emissions Sensors
- Solenoid Coil Valves
- Powertrain Switches and Sensors
- Pressure Switches and Sensors
- Speed Sensors
- Temperature Sensors
- Position Sensors
- Torque Sensors

Please contact Stoneridge for more details.