Engine management
Camshaft speed sensor

Product benefits

- High measurement accuracy
- Large air gap range
- Rapid-start capability with TPO function
- Compact and robust design, small sensor diameter
- High electromagnetic compatibility
- Resistant to mineral-based oils
- Can be installed in various positions

Vehicle segments
Engine management Camshaft speed sensor

**Task** The camshaft speed sensor measures the position of the camshaft. Due to its accurate measurements, the sensor allows for exact injection and a precise and variable positioning of the camshaft. This improves performance and reduces emissions.

**Function** The camshaft sensor is designed as a non-contact Hall sensor. Due to the true power-on function (TPO), the sensor is quick-start capable: it provides position information immediately after engine start.

**Technical characteristics**

<table>
<thead>
<tr>
<th>Technology</th>
<th>single-Hall</th>
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</thead>
<tbody>
<tr>
<td>Power-on function</td>
<td>true power-on (TPO) for rapid-start capability</td>
</tr>
<tr>
<td>Installation</td>
<td>various positions possible</td>
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<tr>
<td>Temperature range</td>
<td>up to 150°C (max. 250 h at 160°C)</td>
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</tbody>
</table>

The camshaft speed sensor helps reduce emissions and fuel consumption.