Installation Guide

Steering Wheel Sensor
Type SASA
SASA Assembly

There is a risk of bending the spline profile of SASA sensor in case of using force. Make sure that the spline profile of the SASA sensor is aligned to the profile of the steering column shaft. A safe method of assembly is to place SASA sensor on the steering column spline shaft first - and not opposite!

Cable Connections

**AMP connector version, type 2-967059-1**

**AMP connector pin-out**

1. CAN-Low
2. + Supply voltage
3. Ground
4. CAN-High

<table>
<thead>
<tr>
<th>Mating connector assembly</th>
<th>AMP type 2-965261-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>JPT contact</td>
<td>2-962915-1</td>
</tr>
<tr>
<td>Wire sealing</td>
<td>828904-1</td>
</tr>
</tbody>
</table>
SASA Assembly

Deutsch connector version, type DT04-4P-CE02

Deutsch connector pin-out

1. CAN-High
2. CAN-Low
3. + Supply voltage
4. Ground

<table>
<thead>
<tr>
<th>Housing</th>
<th>DT04-4S-CE02</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crimp</td>
<td>0462-201-16141</td>
</tr>
<tr>
<td>Wedge</td>
<td>W4S</td>
</tr>
</tbody>
</table>

AMP or Deutsch operating conditions

<table>
<thead>
<tr>
<th>Description</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supply voltage</td>
<td>Nominal</td>
<td>12 - 24 V&lt;sub&gt;DC&lt;/sub&gt;</td>
</tr>
<tr>
<td></td>
<td>Minimum</td>
<td>9 V</td>
</tr>
<tr>
<td></td>
<td>Maximum</td>
<td>32 V</td>
</tr>
<tr>
<td>Temperature</td>
<td>Range</td>
<td>30° to 60°C [86 - 140°F]</td>
</tr>
<tr>
<td></td>
<td>Minimum</td>
<td>-30°C [-22°F]</td>
</tr>
<tr>
<td></td>
<td>Maximum</td>
<td>85°C [185°F]</td>
</tr>
<tr>
<td>Power consumption</td>
<td>-</td>
<td>&lt;1 W</td>
</tr>
<tr>
<td>Current consumption</td>
<td>Operational mode</td>
<td>&lt;85 mA</td>
</tr>
<tr>
<td>Grade of enclosure</td>
<td>AMP or Deutsch</td>
<td>IP 65</td>
</tr>
</tbody>
</table>

Safety function: If a failure occurs, the CAN-bus will “fail silent”. The CAN-bus driver will be disabled.

Warning

All types of sensors are used under a wide range of operating conditions, in many types of machines and therefore may fail and cause serious injury or damage. The machine manufacturer has the sole responsibility for determining which product is most suitable and ensuring that requirements on performance, safety and warnings are met for all machines. It is important that the machine will be analysed in all details. When choosing a control system and level of safety, ISO 13849 (Safety-related parts of control systems) may provide suitable help.
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