55505 Flange Mount Hall Effect Geartooth Sensor

**Features**
- Ferrous target sensing
- Internal circuit protection
- Protection against severe and automotive environments
- Self adjusting magnetic range
- Automotive grade circuit protection
- High speed operation
- Short circuit and reverse voltage protection
- On board 10 bit A/D convertor

**Benefits**
- No chopper delay
- Rotational alignment to target not critical
- Immune to target run out

**Applications**
- Wheel, transmission and camshaft speed sensing
- Gear tooth sensor
- Rotary encoders
- Industrial
- Commercial
- Automotive

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**DIMENSIONS (in) mm**

<table>
<thead>
<tr>
<th>Body Styles</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>00 - Standard body</td>
<td></td>
</tr>
<tr>
<td>01 - With O ring</td>
<td></td>
</tr>
</tbody>
</table>

**TABLE 1**

<table>
<thead>
<tr>
<th>Cable Length</th>
<th>(CABLE 20 AWG, XLPE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SELECT OPTION</td>
<td>LENGTH</td>
</tr>
<tr>
<td>01</td>
<td>(3.94)</td>
</tr>
<tr>
<td>02</td>
<td>(11.81)</td>
</tr>
<tr>
<td>03</td>
<td>(19.69)</td>
</tr>
<tr>
<td>04</td>
<td>(29.53)</td>
</tr>
<tr>
<td>05</td>
<td>(39.37)</td>
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</tbody>
</table>

**APPLICATION EXAMPLE - Geartooth Sensor**

**CUSTOMER OPTIONS - Cable Length and Termination**

**TABLE 2**

<table>
<thead>
<tr>
<th>Termination Options</th>
<th>SELECT</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Tinned leads</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Deutsch DTM04-3P</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Molex MX 150</td>
<td></td>
</tr>
</tbody>
</table>

**ORDERING INFORMATION**

- **Series 55505**
- **Body Style**
- **Cable Length**
- **Termination**

- **55505**
- **XX**
- **XX**
- **X**

- **Body Styles**
- 00 - Standard body
- 01 - With O ring

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