**LPC Linear Potentiometer**

**Standard Series**

**Features**
- Measuring range 50 - 800 mm
- Long mechanical life 100 million cycles
- Excellent repeatability <0.01 mm
- Infinite resolution
- 5 KΩhm or 10 KΩhm

**Technical Specifications**

<table>
<thead>
<tr>
<th>Measurement stroke</th>
<th>50 to 800 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linearity</td>
<td>±0.05 (+200mm), ±0.1 (130-200mm), ±0.2 (75-130mm), ±0.5 (&lt;75mm)</td>
</tr>
<tr>
<td>Repeatability</td>
<td>&lt; 0.01 mm</td>
</tr>
<tr>
<td>Resolution</td>
<td>Infinite</td>
</tr>
<tr>
<td>Resistance</td>
<td>5 KΩhm or 10 KΩhm</td>
</tr>
<tr>
<td>Resistance tolerance</td>
<td>±20</td>
</tr>
<tr>
<td>Load resistance</td>
<td>100 KΩhm min.</td>
</tr>
<tr>
<td>Recommended cursor current</td>
<td>&lt;1 µA</td>
</tr>
<tr>
<td>Permissible applied voltage</td>
<td>28VDC max.</td>
</tr>
</tbody>
</table>

**Electrical connections**
- 4 pin connector (standard), Cable (optional)

**Displacement speed**
- < 5 m/s

**Mechanical life**
- 100 million cycles

**Case dimensions**
- Ø38mm

**Case material**
- Anodized aluminimum

**Rod diameter**
- Ø10 mm

**Rod material**
- Stainless steel

**Mechanical fixing**
- Ball joints on the both side

**IP degree**
- IP 65

**Operating temperature**
- -20°C ... +80°C

**Storage temperature**
- -30°C ... +90°C

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The information provided herein is to the best of our knowledge true and accurate, it is provided for guidance only. All specifications are subject to change without prior notification.

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Germany/Austria/Switzerland info@althen.de
Benelux sales@althen.nl
France info@althensensors.fr
Sweden info@althensensors.se
USA/Canada info@althensensors.com
Other countries info@althensensors.com