PER23 - 23 mm Low Profile Incremental Ring Encoder

Features
- Low profile incremental encoder
- High-class rotational feel
- Haptic detent feedback
- RoHS compliant*

Additional Information

Click these links for more information:
- PRODUCT
- TECHNICAL LIBRARY
- INVENTORY
- SAMPLES
- CONTACT

Electrical Characteristics
- Output: 2-bit quadrature code
- Contact Rating: 10 mA @ 5 V DC
- Insulation Resistance: 100 megohms @ 100 V DC
- Dielectric Withstanding Voltage: 100 V AC
- Electrical Travel: Continuous
- Contact Bounce (15 RPM): 3 ms max.**

Environmental Characteristics
- Operating Temperature: -10 °C to +60 °C
- Storage Temperature: -40 °C to +85 °C

Mechanical Characteristics
- RPM (Operating): 60 max.
- Mechanical Angle: 360 ° continuous
- Detent Torque: 40 to 100 gf-cm
- Rotational Life: 50,000 cycles
- Soldering Condition:
  - Wave Soldering: 260 °C for 3 seconds
  - Manual Soldering: 300 °C for 3 seconds

Product Dimensions

Dimensions:
- **CAUTION**
-**Do not store product in high temperature and humidity, direct sunlight and/or places where corrosive gases may be generated. Please use product within 6 months from the date of delivery and promptly after unpacking.**

**WARNING**
Cancer and Reproductive Harm
www.P65Warnings.ca.gov

Specifi cations are subject to change without notice. Users should verify actual device performance in their specific applications.

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How To Order

<table>
<thead>
<tr>
<th>Model</th>
<th>PER23 1 - P1 9 - N 0010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Units</td>
<td>1 = Single</td>
</tr>
<tr>
<td>Orientation</td>
<td>P = PC Pins Down Facing</td>
</tr>
<tr>
<td>Detent Option</td>
<td>1 = 20 Detents (10 Pulses)</td>
</tr>
<tr>
<td>Ring Height</td>
<td>9 = 9.6 mm</td>
</tr>
<tr>
<td>Switch Configuration</td>
<td>N = No Switch</td>
</tr>
<tr>
<td>Resolution</td>
<td>0010 = 10 Pulses per 360 ° Rotation</td>
</tr>
</tbody>
</table>

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