Absolute shaft encoder single turn (ø50mm) with selection resolution right to application on turret tool holder.

**Mechanics Data**

- **Cover:** Aluminium
- **Body:** Aluminium
- **Solid shaft:** Stainless steel
- **Bearings:** 2, ball races
- **Weight:** 250gr.
- **Protection:** IP65
- **Rpm:** 6000 Max
- **Torque:** 5Ncm
- **Inertia:** 100gcm²
- **Shaft loading:** Axial 100N - Radial 100N
  (the value decrease when the number of pulses increase)

**Dimensions in mm**
Series R

Electronics Data

- Power supply: from 5 to 24V depends on the electronics circuit
- Current consumption: 40/80mA depends on the electronics circuit
- Permissible load: 40mA
- Frequency: 50KHz (standard in LSB)
- Protections: Against short circuit, reversal polarity
- Operating Temp.: -20/+60°C

Ordering code

Series | R | * | 3 | * | * | * | * | Pulses (Max 256)

<table>
<thead>
<tr>
<th>Shaft</th>
<th>Code/Outputs</th>
<th>Connections</th>
<th>Connector</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 = Ø 6mm</td>
<td>2 = Gray/Binary PP 11/24V</td>
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</tr>
<tr>
<td>3 = Gray/Binary TTL 5V</td>
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</tbody>
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Options

- 0 = None

Connections

<table>
<thead>
<tr>
<th>Code: Gray/Binary</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 Volt</td>
</tr>
<tr>
<td>Cable</td>
</tr>
</tbody>
</table>

The U/D and G/B option can be selected through the Dip-Switch accessible through the advanced stopper.