Optical Encoder

AM-EN36-T 103 Series

2015 edition. Specifications are subject to change without notice.

PARAMETERS

<table>
<thead>
<tr>
<th>PARAMETERS/ MODELS</th>
<th>AM-EN36-T1000-103</th>
<th>AM-EN36-T1024-103</th>
<th>AM-EN36-T2000-103</th>
<th>AM-EN36-T2048-103</th>
<th>AM-EN36-T4000-103</th>
<th>AM-EN36-T4096-103</th>
<th>Max 10000cpr</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIAMETER</td>
<td>24.5</td>
<td>24.5</td>
<td>24.5</td>
<td>24.5</td>
<td>4000</td>
<td>4896</td>
<td></td>
</tr>
<tr>
<td>PPR/TURN</td>
<td>1000</td>
<td>1024</td>
<td>2000</td>
<td>2048</td>
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<td></td>
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<tr>
<td>MAX CHANNELS</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
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<td>3</td>
<td></td>
</tr>
<tr>
<td>MAX WORKING FREQ. [KHz]</td>
<td>60–1000</td>
<td>60–1000</td>
<td>60–1000</td>
<td>60–1000</td>
<td>60–1000</td>
<td>60–1000</td>
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</tr>
<tr>
<td>DIRECTION SIGNAL</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
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</tr>
<tr>
<td>DRIVE (Differential Output)</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
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</tbody>
</table>

INFORMATION

TECHNICAL PARAMETERS

- POWER Vcc: 5Va5%
- Vcc:=5.0V SIGNAL TTL COMPATIBLE
- OPERATING TEMPERATURE -25–80°C
- INERTIA (Max) 11.1g.cm²
- OUTPUT CURRENT, each channel 1.5mA(max)

CONNECTOR: 41651

- Definition
  - 1. NC
  - 2. Vcc
  - 3. GND
  - 4. NC
  - 5. A-
  - 6. A+
  - 7. B-
  - 8. B+
  - 9. Z-
  - 10. Z+

CONNECTION DIAGRAM

RECOMMENDED COMBINATION

AM-EN36-T**** COMBINATION SCHEME

For more motor and gearbox specs, see Assun Motor website.

Please tell us if there is vibration in application. Clients should pay attention to the integrity and reliability of the transmitted signal.

REMARKS

Clients can choose gearbox and encoder to match with this motor. Some combinations are listed here for reference.

Motor Data Tested at 25°C.
Motor Operation exceeds continuous limits of operating range will compromise the life of the device.

For more motor and gearbox specs, see Assun Motor website.