The reliability of the actuator allows its use in severe conditions where compact dimensions and precision are required.

**Technical data**

<table>
<thead>
<tr>
<th>Magnet type</th>
<th>Phase resistance [Ω]</th>
<th>Phase inductance [mH]</th>
<th>Phase current [mA]</th>
<th>Nominal power [W]</th>
<th>Phase tension [V]</th>
<th>Steps/rev</th>
<th>Step angle [°]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>51</td>
<td>38</td>
<td>233</td>
<td>5.5</td>
<td>12</td>
<td>24</td>
<td>15</td>
</tr>
<tr>
<td>Strong</td>
<td>51</td>
<td>32</td>
<td>233</td>
<td>5.5</td>
<td>12</td>
<td>24</td>
<td>15</td>
</tr>
<tr>
<td>Standard</td>
<td>13</td>
<td>10</td>
<td>350</td>
<td>3.2</td>
<td>12</td>
<td>24</td>
<td>15</td>
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<tr>
<td>Strong</td>
<td>13</td>
<td>8</td>
<td>350</td>
<td>3.2</td>
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</tr>
<tr>
<td>Strong</td>
<td>51</td>
<td>48</td>
<td>200</td>
<td>4.1</td>
<td>24</td>
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<td>7.5</td>
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<tr>
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<td>13</td>
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<td>350</td>
<td>3.2</td>
<td>12</td>
<td>48</td>
<td>7.5</td>
</tr>
</tbody>
</table>

Available Standard pitch sizes: 0.800 mm / 1.016 mm / 1.200 mm / 2.400 mm / 3.840 mm

**Dimensions**

*Drawing not to scale. All dimensions in mm.*
### Dynamic characteristics

- **Chopper 24V**
- **Chopper 12V**
- **RL 12V**

![Graphs showing force vs. speed for different types of actuators.]

- 24 step/rev. standard magnet
- 24 step/rev. strong magnet
- 48 step/rev. strong magnet

### Electrical Interface and Step sequence

- **Connection**

  ![Connector diagram with pin layout and dimensions.]

  **Connector type**: Metri-Pack Serie 150-2, 4 poles
  **Mating with**: Connector FCI type 65846-015
  **Contact FCI type**: 47750-000

- **Steps sequence**

  ![Step sequence diagram with spindle movement directions.]

  **Spindle**: outwards
  **Spindle**: inwards

### Working conditions

- **Ambient temperature**: -40 ... +120 °C
- **Vibration**: 40 g
- **Insulation Class**: B 130 °C
- **Protection**: IP 65 (DIN 40050)
- **Test Voltage**: 500 VAC
- **Speed (200 Hz, pitch 1.016)**:
  - 24 steps/rev. (8.45 mm/s)
  - 48 steps/rev. (4.23 mm/s)

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*Special requirements upon customer specifications. Right to change reserved.*

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