## Specifications

<table>
<thead>
<tr>
<th></th>
<th>Load (LBS)</th>
<th>No Load Current (A)</th>
<th>Full Load Current (A)</th>
<th>Speed (inch/sec)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Dynamic</td>
<td>Static</td>
<td>12VDC</td>
<td>24VDC</td>
</tr>
<tr>
<td>3000</td>
<td>4.0</td>
<td>2.4</td>
<td>1.8</td>
<td>1.2</td>
</tr>
</tbody>
</table>

**Stroke**

0.79” to 40”

**Limit Switch**

Internal - Non-Adjustable

**Limit Switch Feedback**

Customizable

**Screw Type**

ACME Screw

**Motor Type**

Brushed DC Motor

**Connector Type**

See Page 5

**Wire Length**

40” (customizable)

**Housing Material**

6062 Aluminum Alloy

**Rod Material**

Stainless Steel

**Gear Material**

Powder Metallurgy Steel Alloy

**Color (Shaft)**

Silver

**Color (Motor End)**

Graphite

**Noise**

<90dB

**Duty Cycle**

20% (4 minutes on, 16 minutes off)

**Overload Protection**

Built-in Electric Shutoff

**Operational Temperature**

-40°C to 60°C (-40°F to 140°F)

**Protection Class**

IP66

**Feedback Options**

Hall Effect or Potentiometer

**Certifications**

CE/RoHS

**Mounting Brackets**

BRK-17

**Mounting Ends**

Customizable
Dimensions

(Dimensions in inches)

For Stroke Length Less Than 4"
A = 11.87"
B = Stroke Length + 11.87"

For Stroke Length 4" and Greater
A = Stroke Length + 7.87"
B = Stroke Length x 2 + 7.87"

For Stroke Length 12" and Greater
A = Stroke Length + 9.84"
B = Stroke Length x 2 + 9.84"

For Stroke Length Greater Than 24"
A = Stroke Length + 11.81"
B = Stroke Length x 2 + 11.81"
Speed vs Load

Speed vs. Load: PA-13 Linear Actuator

Current vs Load

Current vs. Load: PA-13 Linear Actuator
Connectors & Feedback

2-Pin Connector (Standard)

<table>
<thead>
<tr>
<th>Motor</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>M-</td>
<td>M+</td>
<td></td>
</tr>
</tbody>
</table>

Part Name
- Tyco Electronics AMP Universal Mate-N-Lok PLUG

Part Number
- 1-480698-0
- 1-480699-0

6-Pin Hall Effect Connector

*For Stroke Lengths up to 40"

<table>
<thead>
<tr>
<th>Motor</th>
<th>Hall Sensor</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td>M+ (Extend)</td>
<td>M- (Retract)</td>
</tr>
</tbody>
</table>

Part Name
- Molex Mini Fit Jr 6-Pin Receptacle

Part Number
- 39-01-2065

Mating Part Number
- 39-01-2069/
- 39-01-2066

Output Signal Extending

Output Signal Retracting

<table>
<thead>
<tr>
<th>Force</th>
<th>Resolution (pulses/inch)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000</td>
<td>92</td>
</tr>
</tbody>
</table>

Potentiometer Specifications

*For Stroke Lengths up to 6"

<table>
<thead>
<tr>
<th>Resistance*</th>
<th>Number of Turns</th>
<th>Tolerance</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-10kΩ</td>
<td>10</td>
<td>+/- 5%</td>
</tr>
</tbody>
</table>

*Actual resistance value may vary within the 0-10kΩ range based on stroke length