## Specifications

<table>
<thead>
<tr>
<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>12VDC</td>
<td>24VDC</td>
<td>12VDC</td>
</tr>
<tr>
<td>Dynamic</td>
<td>Static</td>
<td></td>
<td></td>
</tr>
<tr>
<td>450</td>
<td>450</td>
<td>≤1.5</td>
<td>-</td>
</tr>
<tr>
<td>225</td>
<td>225</td>
<td>-</td>
<td>≤1.5</td>
</tr>
<tr>
<td>450</td>
<td>450</td>
<td>-</td>
<td>≤1.5</td>
</tr>
<tr>
<td>675</td>
<td>675</td>
<td>-</td>
<td>≤1.5</td>
</tr>
</tbody>
</table>

### Input Voltage

12VDC or 24VDC

### Stroke

1.0" to 36.0"

### Features

400-hour Salt Spray Rating (Salt Spray Rating Unit Only)

### Feedback

Optional

### Duty Cycle

20%

### Weather Protection

IP68M, IP69K Static

### Overload Protection

None

### Operational Temperature

-20°C to 70°C

### Operating Noise

<45 dBA

### Limit Switch

Built-In (Non-Adjustable)

### Cable Length

60"

### Connector

Molex Mini-Fit Jr 2-Pin

### Front Mounting Hole Size

0.32"

### Rear Mounting Hole Size

0.32"

### Actuator Type

Mini, Industrial

### Motor Type

Brushed DC Motor

### Screw Type

ACME

### Stroke Rod Material

Stainless Steel

### Housing Material

Anodic Oxidation (Standard), Porcelain Plating (Salt Spray Rating)

### Gear Material

Polyoxymethylene

### Certifications

UL

### Compatible Mounting Brackets

BRK-09

### Warranty

18 Months
**Dimensions**

(Dimensions in inches)

**Hole to Hole**

<table>
<thead>
<tr>
<th>Stroke</th>
<th>1</th>
<th>2</th>
<th>4</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>12</th>
<th>14</th>
<th>16</th>
<th>20</th>
<th>22</th>
<th>24</th>
<th>30</th>
<th>36</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>6.7</td>
<td>6.7</td>
<td>8.7</td>
<td>10.7</td>
<td>12.7</td>
<td>14.7</td>
<td>16.7</td>
<td>18.7</td>
<td>21.1</td>
<td>25.1</td>
<td>27.1</td>
<td>29.9</td>
<td>35.9</td>
<td>41.9</td>
</tr>
<tr>
<td>B</td>
<td>8.7</td>
<td>8.7</td>
<td>12.7</td>
<td>16.7</td>
<td>20.7</td>
<td>24.7</td>
<td>28.7</td>
<td>32.7</td>
<td>37.1</td>
<td>45.1</td>
<td>49.1</td>
<td>53.9</td>
<td>65.9</td>
<td>77.9</td>
</tr>
</tbody>
</table>

**For Stroke Length less than 2.0”**

A = 6.7”

B = Stroke + 6.7”

**For Stroke Length 2.0” or Greater**

A = Stroke + 4.7”

B = Stroke + Stroke + 4.7”

**For Stroke Length 16.0” to 23.5”**

A = Stroke + 5.1”

B = Stroke + 5.1”

**For Stroke Length 23.5” to 36.0**

A = Stroke + 5.9”

B = Stroke + Stroke + 5.9”
Connectors & Feedback

2-Pin Connector (Standard)

Front View

<table>
<thead>
<tr>
<th>Component</th>
<th>Part Name</th>
<th>Part Number</th>
<th>Mating Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing</td>
<td>Molex Mini-Fit Junior Female Terminal, Tin-plated brass over copper, 18-24 AWG</td>
<td>39-01-2020</td>
<td>39-01-3023</td>
</tr>
<tr>
<td>Pin 1 - 6</td>
<td>Molex Mini-Fit Junior Female Terminal, Tin-plated brass over copper, 18-24 AWG</td>
<td>39-00-0038</td>
<td>39-00-0040</td>
</tr>
</tbody>
</table>

Motor

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

6-Pin Hall Effect Connector

Front View

<table>
<thead>
<tr>
<th>Component</th>
<th>Part Name</th>
<th>Part Number</th>
<th>Mating Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing</td>
<td>Mini-Fit Jr. Receptacle Housing, Dual Row, 6 Circuits, UL 94V-2, Natural</td>
<td>39-01-2060</td>
<td>39-01-3063</td>
</tr>
<tr>
<td>Pin 1 - 6</td>
<td>Molex Mini-Fit Junior Female Terminal, Tin-plated brass over copper, 18-24 AWG</td>
<td>39-00-0038</td>
<td>39-00-0040</td>
</tr>
</tbody>
</table>

Motor

<table>
<thead>
<tr>
<th>Hall Sensor</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
</tr>
<tr>
<td>Hall Effect Signal 1</td>
</tr>
</tbody>
</table>

Output Signal Extending

| Hall Effect 1 Signal |

Output Signal Retracting

| Hall Effect 1 Signal |

| Hall Effect 2 Signal |