### Actuator Specifications

#### Lead and Load Capacity

<table>
<thead>
<tr>
<th>Model</th>
<th>Motor Output (w)</th>
<th>Lead (mm)</th>
<th>Max. Load Capacity (Horizontal) (kg)</th>
<th>Rated Thrust (kg)</th>
<th>Stroke (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RCA-SS6D-I-30-12-1-2-3-4</td>
<td>30</td>
<td>12</td>
<td>6</td>
<td>1.5</td>
<td>24.2</td>
</tr>
<tr>
<td>RCA-SS6D-I-30-6-1-2-3-4</td>
<td>12</td>
<td>6</td>
<td>12</td>
<td>3</td>
<td>48.4</td>
</tr>
<tr>
<td>RCA-SS6D-I-30-12-1-2-3-4</td>
<td>3</td>
<td>12</td>
<td>18</td>
<td>9.68</td>
<td>97.8</td>
</tr>
</tbody>
</table>

#### Stroke and Maximum Speed

<table>
<thead>
<tr>
<th>Model</th>
<th>Motor Output (w)</th>
<th>Stroke (mm)</th>
<th>Max. Speed (Unit: mm/s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RCA-SS6D-I-30-12-1-2-3-4</td>
<td>30</td>
<td>12</td>
<td>800</td>
</tr>
<tr>
<td>RCA-SS6D-I-30-6-1-2-3-4</td>
<td>12</td>
<td>12</td>
<td>400</td>
</tr>
<tr>
<td>RCA-SS6D-I-30-12-1-2-3-4</td>
<td>3</td>
<td>12</td>
<td>200</td>
</tr>
</tbody>
</table>

#### Actuator Specifications

**Motor**
- 30W Servo motor

**Encoder Types**
- I: Incremental encoder models are labeled as "I".
- A: Absolute encoder models are labeled as "A".

**Brake**
- Brake (Cable exiting right): LA
- Brake (Cable exiting left): BF
- Brake (Cable exiting end): LE

**Reversed-home**
- NM

**Slider**
- SR

**Motor Built-In**
- Direct-Coupled

**Steel Base**
- Standard

**ROBO Cylinder Slider Type**
- 58mm Width

**24V Servo Motor**
- Standard

**Encoder Models**
- Simple absolute encoder models are labeled as "A".
- Incremental encoder models are labeled as "I".

**Encoder Type**
- RCA
- AMEC
- PMEC
- ROBO
- SCON
- ACON
- PCON
- ERC2
- PSEP
- SSEL
- ASEL
- PSEL

**Configuration**
- See Options below

**Cable Symbol**
- RCA-SS6D

**Cable Price**
- Standard

**Robot Cable**
- R01
- R03
- R05
- R08
- R11
- R15

**Ambient Operating Temp./Humidity**
- 0°C to 40°C, 85% RH or less (non-condensing)

**Lost Motion**
- ±0.02mm

**Positioning Repeatability**
- 0.1mm or less

**Power-saving**
- Motor Built-In

**Overhang Load Length**
- 0 to 40mm (non-condensing)

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*See page A-39 for cables for maintenance.*
The RCA series actuators can operate with the controllers below. Select the controller according to your usage.

<table>
<thead>
<tr>
<th>Name</th>
<th>External View</th>
<th>Model</th>
<th>Description</th>
<th>Max. Positioning Points</th>
<th>Input Voltage</th>
<th>Power Supply Capacity</th>
<th>Standard/Price</th>
<th>See Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solenoid Valve Type</td>
<td>A</td>
<td>AMEC-C-30I-NP-2-I</td>
<td>Easy-to-use controller, even for beginners</td>
<td>3 points</td>
<td>AC100V</td>
<td>2.4A rated</td>
<td>—</td>
<td>P477</td>
</tr>
<tr>
<td></td>
<td>B</td>
<td>ASEP-CW-30I-NP-2-I</td>
<td>Operable with same signal as solenoid valve. Supports both single and double solenoid types.</td>
<td>3 points</td>
<td>DC24V</td>
<td>4.4A max.</td>
<td>—</td>
<td>P567</td>
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<tr>
<td>Splash-Proof</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Solenoid Valve Type</td>
<td></td>
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<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Positioner Type</td>
<td>A</td>
<td>ACON-C-30I-NP-2-I</td>
<td>Positioning is possible for up to 512 points</td>
<td>512 points</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>B</td>
<td>ERC2-30I-NP-2-I</td>
<td></td>
<td>3 points</td>
<td>DC24V</td>
<td>4.4A max.</td>
<td>—</td>
<td>P535</td>
</tr>
<tr>
<td>Safety-Compliant Positioner Type</td>
<td>C</td>
<td>ACON-CG-30I-NP-2-I</td>
<td></td>
<td>3 points</td>
<td>DC24V</td>
<td>4.4A max.</td>
<td>—</td>
<td>P535</td>
</tr>
<tr>
<td>Pulse Train Input Type</td>
<td>D</td>
<td>ACON-PL-30I-NP-2-I</td>
<td>Pulse train input type with differential line driver support</td>
<td>3 points</td>
<td>DC24V</td>
<td>4.4A max.</td>
<td>—</td>
<td>P535</td>
</tr>
<tr>
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</tr>
<tr>
<td>Pulse Train Input Type (Open Collector)</td>
<td>E</td>
<td>ACON-PO-30I-NP-2-I</td>
<td>Pulse train input type with open collector support</td>
<td>3 points</td>
<td>DC24V</td>
<td>4.4A max.</td>
<td>—</td>
<td>P535</td>
</tr>
<tr>
<td>Serial Communication Type</td>
<td>F</td>
<td>ACON-SE-30I-NP-2-I</td>
<td>Dedicated to serial communication</td>
<td>3 points</td>
<td>DC24V</td>
<td>4.4A max.</td>
<td>—</td>
<td>P535</td>
</tr>
<tr>
<td>Field Network Type</td>
<td>G</td>
<td>ERC2-30I-NP-2-I</td>
<td></td>
<td>3 points</td>
<td>DC24V</td>
<td>4.4A max.</td>
<td>—</td>
<td>P535</td>
</tr>
<tr>
<td>Program Control Type</td>
<td>H</td>
<td>ACON-PL-30I-NP-2-I</td>
<td>Programmed operation is possible. Can operate up to 2 axes.</td>
<td>3 points</td>
<td>DC24V</td>
<td>4.4A max.</td>
<td>—</td>
<td>P535</td>
</tr>
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</tbody>
</table>

* This is for the single-axis ASEL. *2 This is a placeholder for the code “LA” when the power-saving option is specified.