Actuator Specifications

Lead and Load Capacity

<table>
<thead>
<tr>
<th>Model</th>
<th>Lead Screw</th>
<th>Motor Drive System</th>
</tr>
</thead>
<tbody>
<tr>
<td>RCA2-GD3N-1-10-4S-30-3</td>
<td>4</td>
<td>K2: Connector Cable</td>
</tr>
<tr>
<td>RCA2-GD3N-1-10-2S-30-3</td>
<td>2</td>
<td>K2: Connector Cable</td>
</tr>
<tr>
<td>RCA2-GD3N-1-10-1S-30-3</td>
<td>1</td>
<td>K2: Connector Cable</td>
</tr>
</tbody>
</table>

Stroke and Maximum Speed

<table>
<thead>
<tr>
<th>Stroke (mm)</th>
<th>Lead Screw</th>
<th>Stroke (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>4</td>
<td>200</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>50</td>
</tr>
</tbody>
</table>

Cable List

- Type: Standard (Robot Cables)
- Cable Symbol: P: 1m, S: 3m, M: 5m
- Special Lengths: X06 (6m), X10 (10m), X15 (15m), X20 (20m)

RCA2-GD3N ROBO Cylinder Mini Rod Type Short-Length Mounting Type with Double Guide

Lead Screw: 28mm Width, 24V Servo Motor, Lead Screw

- Configuration: RCA2 - GD3N - 1 - 10 - 30 - 3
- Cable Length: Option
- LA: Power-saving

* See page Pre-35 for an explanation of the naming convention.

* The RCA2 comes standard with a robot cable.

* See page A-39 for cables for maintenance.
**Dimensions**

![Dimensions Diagram](image)

- **Dimensions/Weight by Stroke**
  
<table>
<thead>
<tr>
<th>Stroke</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>0.41</td>
</tr>
</tbody>
</table>

**For Special Orders** P. A-9

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**Dimensions**

- **Cable joint connector**
  
  ![Cable joint connector](image)

- **Connector cable exit direction**
  
  Model: K2

  *Rotates 180 degrees with respect to the standard model.*

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**Dimensions**

- **ME : Mechanical end**
- **SE : Stroke end**

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**Compatible Controllers**

The RCA2 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></td>
<td>AMEC-C-10I</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></td>
<td>ASEP-C-10I</td>
<td>Operate with same signal as solenoid valve. Supports both single and double solenoid types. No homing necessary with single solenoid type.</td>
<td>512 points</td>
<td>DC24V</td>
<td>3.5A rated</td>
<td>-</td>
<td>P503</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ASEP-CD-10I</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></td>
<td>ACON-C-10I</td>
<td>Pulse train input type with differential line driver support</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACON-CG-10I</td>
<td>Pulse train input type with open collector support</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACON-PL-10I</td>
<td>Dedicated to serial communication</td>
<td>64 points</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACON-PL-10I</td>
<td>Dedicated to field network</td>
<td>768 points</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ASEL-C-1-10I</td>
<td>Programmed operation is possible. Operation is possible on up to 2 axes</td>
<td>1500 points</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

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**Notes**

- *1 A motor-encoder cable is connected here. See page A-39 for details on cables.
- *2 When homing, the rod moves to the mechanical end; therefore, please watch for any interference with the surrounding objects.

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**Controllers**

- **PSEL/ASEL**
- **PSEP/ASEP**
- **PMEC/AMEC**
- **ROBO**
- **ROBO Cylinder**
- **NET**
- **ERC2**
- **ACON**
- **SCON**
- **PCON**
- **ALES**
- **EEL**
- **SER**
- **PCON**
- **SER**
- **Field Network Type**
- **Serial Communication Type**
- **Robot Type**
- **Manual**
- **Standard**
- **Integrated Controllers**

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**Weights**

- **Weight (kg)**
  
  Stroke | Weight (kg) |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>0.41</td>
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</table>

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- **Toll Free Fax** (877) SERV099
- www.electromate.com
- sales@electromate.com

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**RCA2-GD3N 190**