Type

Mini

Standard

Integrated

Roo Typ

Min

Standard

Integrated

Table Arm Flat Type

Mini

Gripper Rotary

> Linear Servo Type

Clean roor Typ

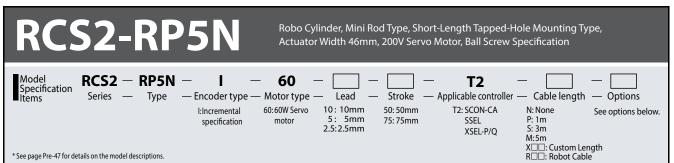
Splash Proo Type

> Pulse Motor

Servo Moto (24V

Servo Motor (200V)

Linear Servo Motor





(1) The lead screw is not equipped with an anti-rotation device, so please attach a guide or similar locking device to the tip of the lead screw prior to use. (If there is no anti-rotation device attached, the lead screw cannot extend or retract.) When connecting the anti-rotation device and rod, do not use a floating joint. Please refer to page A-11 for the instruction details.

Technical References

- (2) The horizontal payload is the value when the actuator uses an external guide.
- (3) The payload is the value when the actuator is operated at an acceleration of 0.3 G (0.2G for 2.5mm-lead) horizontally and 0.2G vertically. The acceleration limit is the value indicated above.
- $(4) \ \ Do \ not apply an external force on the rod in any direction other than the direction the rod is moving in.$
- (5) If the actuator is used vertically, pay attention to rod contact because the rod will come down when the power is turned off.
- (6) See page A-71 for details on push motion.

## Actuator Specifications ■ Leads and Payloads ■ Stroke and Maximum Speed

. Notes or

election

Model number	Motor output (W)	Feed screw	Lead (mm)	Max. Loac Horizontal (kg)	Capacity Vertical (kg)	Rated thrust (N)	Positioning Repeatability (mm)	Stroke (mm)	
RCS2-RP5N-I-60-10-①-T2-②-③	60		10	5	1.5	89			
RCS2-RP5N-I-60-5-①-T2-②-③		60	Ball screw	5	10	3	178	±0.02	50 75
RCS2-RP5N-I-60-2.5-①-T2-②-③			2.5	20	6	356			

Lead	50 (mm)	75 (mm)			
10	280 <230>	380 <330>			
5	250 <230>	250			
2.5	125				
	1				

Code explanation ① Stroke ② Cable length ③ Options \*See page A-71 for details on push motion.

\* The values enclosed in < > apply to (Unit: mm/s) vertical settings.

① Stroke	
Stroke (mm)	Standard price
50	_
75	_

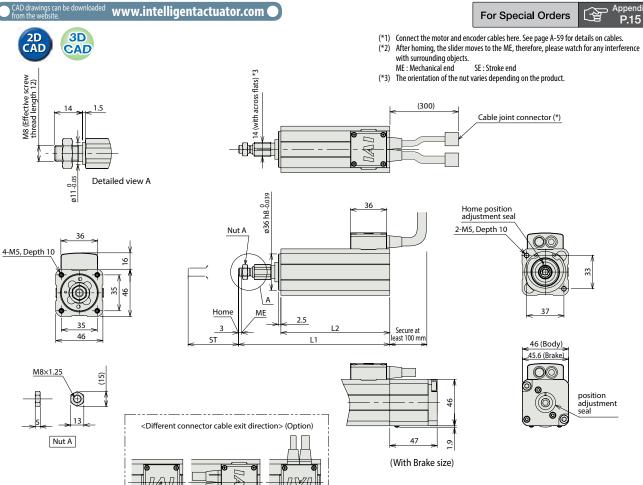
② Cable Length						
Туре	Cable symbol	Standard Price				
	<b>P</b> (1m)	_				
Standard	<b>S</b> (3m)					
	<b>M</b> (5m)	_				
Special length	<b>X06</b> (6m) ~ <b>X10</b> (10m)	_				
	<b>X11</b> (11m) ~ <b>X15</b> (15m)					
	<b>X16</b> (16m) ~ <b>X20</b> (20m)					
	R01 (1m) ~ R03 (3m)					
	R04 (4m) ~ R05 (5m)	_				
Robot Cable	<b>R06</b> (6m) ~ <b>R10</b> (10m)	_				
	<b>R11</b> (11m) ~ <b>R15</b> (15m)	_				
	R16 (16m) ~ R20 (20m)	_				

<sup>\*</sup> See page A-59 for cables for maintenance.

③ <b>O</b> ptions			
Name	Option code	See page	Standard price
Brake	В	→ A-42	_
CE compliance	CE	→ A-42	_
Connector cable exits (left)	K1	→ A-51	_
Connector cable exits (front)	K2	→ A-51	_
Connector cable exits (right)	К3	→ A-51	_

Actuator Specifications					
Item	Description				
Drive System	Ball screw, ø8mm, rolled C10				
Lost Motion	0.1mm or less				
Frame	Material: Aluminum, white alumite treated				
Ambient operating temperature, humidity	0 to 40°C, 85% RH or less (Non-condensing)				
Service life	5,000km or 50 million cycles				

**Dimensional Drawings** 



\* Brake-equipped models are heavier by 0.26kg. ■ Dimensions and Weight by Stroke

- Dilliensions and Weight by Stroke						
Stroke	50	75				
L1	150	175				
L2	108	133				
Weight (kg)	0.85	1.0				

## Applicable Controllers

Model number: K1 Model number: K2 (Exits from the left) (Exits from the front)

Model number: K3 (Exits from the right)

Name	External view	Model number	Features	Maximum number of positioning points	Input power	Power-supply capacity	Standard price	Reference page	
Positioner Type		scc		Up to 512 positioning points are supported	512 points	100 V/IC	218 VA max.  * Varies depending on the		
Solenoid mode			SCON CA COLAID 2 ®	Can be operated with the same controls used for solenoid valves	7 points			_	D.C.I.D.
Network mode			SCON-CA-60I-NP-2-①	Can be moved by direct numerical specification	768 points				→ P643
Pulse-train input control mode			Can be controlled using pulse trains	(—)	200 VAC	controller. Refer to the operation	_		
Program control type 1 or 2 axes		SSEL-CS-1-60I-NP-2-①	Program operation is supported Up to two axes can be operated	20,000 points	3-phase 200 VAC (XSEL-P/ Q only)	manual for details.	_	→ P685	
Program control type 1 or 6 axes	Pilita	XSEL-(II)-1-60I-N1-EEE-2-3	Program operation is supported Up to six axes can be operated	20,000 points			_	→ P695	

\*The values of SSEL and XSEL assume a 1-axis specification. \* 🕦 indicates the type of power-supply voltage (1: 100 V/2: Single-phase 200 V). 🛛 indicates the XSEL type (P/Q).

Please note that this model cannot be connected to the XSEL-P/Q type (5-axis/6-axis), XSEL-R/S type, or MSCON.