

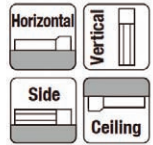
RCP4-SA3C

ROBO Cylinder, Slider Type, Motor Unit Coupled,
Actuator Width 32mm, Pulse Motor 24V

Model Specification Items	Series	Type	Encoder type	Motor type	Lead	Stroke	Applicable controllers	Cable length	Options
	RCP4	SA3C	I	28P	6: 6mm 4: 4mm 2: 2mm	25: 25mm 300: 300mm (Every 25mm)	P3: PCON / MSEL P5: RCON / RSEL	N: None P: 1m S: 3m M: 5m X□: Specified length R□: Robot cable	Refer to the option list below.

*Controller is not included.
*Please refer to our ROBO Cylinder General Catalog for the contents of the model specification items.

*The simple absolute encoder is also considered type "I".

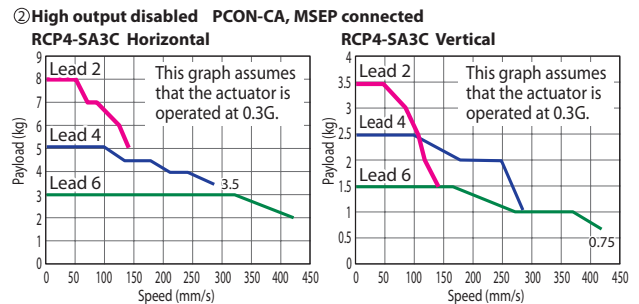
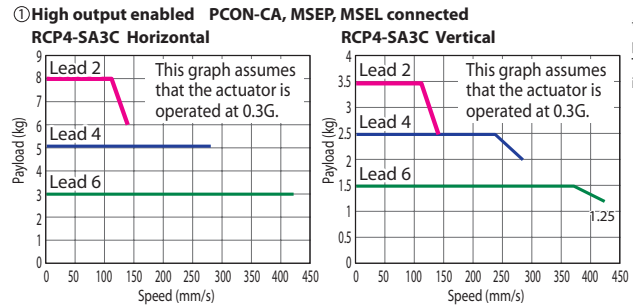


* Depending on the model, there may be some limitations to using the vertical, side, and ceiling mount positions. Please contact us for more information.



- (1) The actuator specifications displays the payload's maximum value, but it will vary depending on the acceleration. Please refer to "The Tables for Payload by Speed and Acceleration" on P. 13.
- (2) Please refer to "Correlation Diagrams Between Push Force and Current Limit" on P. 14 for push-motion operation.

Correlation Diagrams of Speed and Payload



Actuator Specifications

Lead and Payload

Model Number	Lead (mm)	Maximum Payload		Stroke (mm)
		Horizontal (kg)	Vertical (kg)	
RCP4-SA3C-I-28P-6-①-P3-②-③	6	3	1.5	25 ~ 300 (Every 25mm)
RCP4-SA3C-I-28P-4-①-P3-②-③	4	5	2.5	
RCP4-SA3C-I-28P-2-①-P3-②-③	2	8	3.5	

Legend: ① Stroke ② Cable length ③ Options

Stroke and Max. Speed (Unit: mm/s)

Lead (mm)	High-output Setting	25 ~ 300 (Every 25mm)
6	Enabled	420
	Disabled	
4	Enabled	280
	Disabled	
2	Enabled	140
	Disabled	

① Stroke

Stroke (mm)	Standard Price	Stroke (mm)	Standard Price
25	—	175	—
50	—	200	—
75	—	225	—
100	—	250	—
125	—	275	—
150	—	300	—

② Cable Length

Type	Cable Code	Standard Price
Standard Type	P (1m)	—
	S (3m)	—
	M (5m)	—
Specified Length	X06 (6m) ~ X10 (10m)	—
	X11 (11m) ~ X15 (15m)	—
	X16 (16m) ~ X20 (20m)	—
Robot Cable	R01 (1m) ~ R03 (3m)	—
	R04 (4m) ~ R05 (5m)	—
	R06 (6m) ~ R10 (10m)	—
	R11 (11m) ~ R15 (15m)	—
	R16 (16m) ~ R20 (20m)	—
	R21 (21m) ~ R25 (25m)	—

* For a maintenance cable, please see the back cover.

③ Options

Name	Option Code	Reference Page	Standard Price
Brake	B	Please refer to our ROBO Cylinder General Catalog.	—
Home-position Check Sensor (On Left)	HSL		—
Home-position Check Sensor (On Right)	HSR		—
Non-motor End Specification	NM		—
Slider Roller Specification	SR		—

* For the home-position check sensor, there are 2 types; HSR (sensor attached on the right) and HSL (sensor attached on the left). Please see the following page for details.

*Additional Option: Designated grease specification - Code: G1, G3 or G4
Change the grease applied to the ball screw, linear guide, and rod sliding surface of the actuator to low dust-generating grease for clean environments.
((G1: Kuroda C grease, G3: AFF grease, G4: AFE-CA grease))

Actuator Specifications

Item	Description
Drive System	Ballscrew Ø6mm rolled C10
Positioning Repeatability	±0.02mm
Lost Motion	0.1mm or less
Base	Material: Aluminum with white alumite treatment
Dynamic Allowable Moment (*1)	Ma: 3.82N·m, Mb: 5.45N·m, Mc: 6.10N·m
Static Allowable Moment	Ma: 6.30N·m, Mb: 8.90N·m, Mc: 10.0N·m
Ambient Operating Temperature, Humidity	0 ~ 40°C, 85% RH or less (Non-condensing)

Reference for overhang load length of all 3 directions (Ma, Mb, and Mc): 100mm or less

(*1) This assumes a standard life of 5,000km. The operational life will vary depending on operation and installation conditions.

* Please refer to our ROBO Cylinder General Catalog for details on operational life, allowable moment direction, and overhang load length.

