RCA2 ROBO Cylinder



Actuator Specifications												
■ Leads and Payloads ■ Stroke and Maximum Speed												
Model number	Motor output (W)	Feed screw	Lead (mm)	Max. Loac Horizontal (kg)	Capacity Vertical (kg)	Rated thrust (N)	Positioning Repeatability (mm)	Stroke (mm)	Lead	Stroke	25 (mm)	50~100 (mm)
RCA2-RA2AR-I-5-4-①-A3-②-③	5	Ball screw	4	0.5	0.25	21.4	±0.02	25~100 (every 25mm)	Ball screw	4	180	200
RCA2-RA2AR-I-5-2-①-A3-②-③			2	1	0.5	42.3				2	100	
RCA2-RA2AR-I-5-1-①-A3-②-③			1	2	1	85.5				1	50	
												(Upit: mm/c)

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

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Standard price

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

Option code

ML

MR

ΜТ

NM

②Cable Lengt	th	
Туре	Cable symbol	Standard price
Cton dourd	P (1m)	_
(Robot Cables)	S (3m)	—
	M (5m)	_
Special length	X06 (6m) ~ X10 (10m)	—
	X11 (11m) ~ X15 (15m)	—
	X16 (16m) ~ X20 (20m)	_

* The standard cable for the RCA2 is the robot cable. * See page A-59 for cables for maintenance.

Actuator Specifications

ltem	Description
Drive System	Ball screw, ø4mm, rolled C10
Lost Motion	0.1mm or less
Base	Material: Aluminum, white alumite treated
Rod non-rotation preciseness	±3.0 deg
Ambient operating temperature, humidity	0 to 40°C, 85% RH or less (Non-condensing)
Service life	5,000km

Rod Type

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③Options

Name

Side-mounted motor to the left

Side-mounted motor to the right

Side-mounted motor to the top

Non-motor end specification



Applicable Controllers

RCA2 series actuators can be operated with the controllers indicated below. Select the type according to your intended application.

Name	External view	Model number	Features	Maximum number of positioning points	Input power	Power supply capacity	Standard price	Reference page
Solenoid valve type		ASEP-C-5SI-①-2-0	Simple controller operable with the same signal as a solenoid valve	3 points	DC24V	1A rated 2A max.	_	→ P547
Solenoid valve multi-axis type PIO specification	luc	MSEP-C-@-~-①-2-0	Positioner type based on PIO control, allowing up to 8 axes to be connected				—	→ P563
Solenoid valve multi-axis type Network specification	iiii -	MSEP-C-@-~-@-0-0	Field network-ready positioner type, allowing up to 8 axes to be connected	256 points				

* ① indicates I/O type (NP/PN). * ① indicates number of axes (1 to 8). * ① indicates field network specification symbol

RCA2-RA2AR 200