RCA ROBO Cylinder



Actuator Specifications								
■ Leads and Payloads (Note A) 50mm increments over 100mm. ■ Stroke and Maximum Speed								
Model number	Motor output (W)	Lead (mm)	Max. Load Horizontal (kg)	d Capacity Vertical (kg)	Rated thrust (N)	Stroke (mm)	Stroke Lead	20~200 (every 10mm)
RCA-SRA4R-I-20-5-①-②-③-④	20	5	9 (Note1)	3	41	20~200 (every 10mm) (Note A)	5	250
RCA-SRA4R-I-20-2.5-①-②-③-④	20	2.5	18 (Note1)	6.5	81		2.5	125
Code explanation @ Strake @ Applicable controller @ Cable length @ Options _ #See page 4.71 for datile on put mation (Unit:mm/s)								

Code explanation ① Stroke ② Applicable controller ③ Cable length ④ Options *See page A-71 for details on push motion.

①Stroke	
①Stroke (mm)	Standard price
20~50	_
60~100	_
150	—
200	_

③Cable Leng	ıth	
Туре	Cable symbol	Standard Price
Standard	P (1m)	_
(Pobot Cables)	S (3m)	—
(RODOL Cables)	M (5m)	_
	X06 (6m) ~ X10 (10m)	_
Special length	X11 (11m) ~ X15 (15m)	—
	X16 (16m) ~ X20 (20m)	

* The cable is a motor-encoder integrated cable, and is provided as a robot cable. * See page A-59 for cables for maintenance.

Actuator Specifications

ltem	Description
Drive System	Ball screw, ø8mm, rolled C10
Positioning Repeatability	±0.02mm
Lost Motion	0.1mm or less
Rod diameter	ø22mm
Non-rotating accuracy of rod	—
Ambient operating temperature, humidity	0 to 40°C, 85% BH or less (Non-condensing)

④ Options

Name	Option code	See page	Standard price
Brake	В	→ A-42	—
Flange bracket (front)	FL	→ A-44	—
Flange bracket (back)	FLR	→ A-46	—
Foot bracket 1 (base mounting)	FT	→ A-48	—
Foot bracket 2 (right/left side mounting)	FT2/FT4	→ A-50	—
Power-saving	LA	→ A-52	—
Non-motor end specification	NM	→ A-52	—
The brake is available for strokes of 70mm or mo	re.		

233 RCA-SRA4R

Servo Motor (24V)

Rod Type



В

Weight (kg)

30 40 50

4

0 0

4

0

4

0.78 0.84 0.9 0.96

60

0

4

 (*1) Connect the motor-encoder integrated cable here. See page A-59 for details on cables.
(*2) After homing, the slider moves to the ME, therefore, please watch for any interference with surrounding objects.

(*3) The orientation of the bolt varies depending on the product.

② Applicable Controllers

50	70	80	90	100	150	200
64.5	174.5	184.5	194.5	204.5	254.5	304.5
124	134	144	154	164	214	264
102	112	122	132	142	192	242
70	30	40	50	60	60	60
0	1	1	1	1	2	3
4	6	6	6	6	8	10
.03	1.09	1.15	1.21	1.27	1.59	1.9

Rod Type

Servo Motor (24V)

Name	External view	Model number	Features	Maximum number of positioning points	Input power	capacity	Standard price	Reference
Colora id Volue Time		AMEC-C-20I①-①-2-1	Easy-to-use controller, even for beginners		AC100V	2.4A rated	_	→ P537
solenoid valve type		ASEP-C-201①-①-2-0	Simple controller operable with the same signal as a solenoid valve	3 points			_	→ P547
Solenoid valve multi-axis type PIO specification	type type	MSEP-C	Positioner type based on PIO control, allowing up to 8 axes to be connected			(Standard) 1.3A rated	_	→ P563
Solenoid valve multi-axis type Network specification		MSEP-C	Field network-ready positioner type, allowing up to 8 axes to be connected	256 points				
Positioner type		ACON-C-201①-①-2-0	Positioning is possible for up to 512	E12 points			_	
Safety-Compliant Positioner Type		ACON-CG-20I()-()-2-0	DC24V	4.4A max. (Power-saving)	_			
Pulse Train Input Type (Differential Line Driver)	<u>ci</u>	ACON-PL-201①-①-2-0	Pulse train input type with differential line driver support			1.3A rated 2.5A max.	_	→ P631
Pulse Train Input Type (Open Collector)	è.	ACON-PO-201①-①-2-0	Pulse train input type with open collector support	(—)			—	
Serial Communication Type		ACON-SE-201 - N-0-0	Dedicated Serial Communication	64 points			_	
Program Control Type		ASEL-CS-1-201①-①-2-0	Programmed operation is possible. Can operate up to 2 axes	1,500 points			_	→ P675

RCA series actuators can be operated with the controllers indicated below. Select the type according to your intended application. * ACON-CY also can be used.

