RCA2 ROBO Cylinder



Actuator Specifications Leads and Payloads Stroke and Maximum Speed								
Model number	Motor output (W) Lead (mm) Max. Load Capacity Rated Vertical (kg) Stroke thrust (N)					Stroke Lead	25~200 (every 25mm)	
CA2-TA7R-I-30-12-①-②-③-④		12	4	1	26		12	600<580>
CA2-TA7R-I-30-6-①-②-③-④	30	6	6	2.5	53	25~200 (every 25mm)	6	300
CA2-TA7R-I-30-3-①-②-③-④		3	8	4	105		3	150

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
25	—
50	—
75	—
100	—
125	_
150	—
175	—
200	—

④ Options			
Name	Option code	See page	Standard price
Brake	В	→ A-42	—
Cable exit direction (top)	CJT	→ A-42	
Cable exit direction (outside)	OLO	→ A-42	_
Cable exit direction (bottom)	CJB	→ A-42	—
Power-saving specification	LA	→ A-52	—
Left-mounted motor (standard)	ML	→ A-52	—
Right-mounted motor	MR	→ A-52	_
Non-motor end specification	NM	→ A-52	

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

* The standard cableis the motor-encoder integrated robot cable. * See page A-59 for cables for maintenance.

Actuator Specifications					
ltem	Description				
Drive System	Ball screw, ø10mm, rolled C10				
Positioning Repeatability	±0.02mm				
Lost Motion	0.1mm or less				
Base	Material: Aluminum, special alumite treated				
Allowable static moment	Ma: 42.6 N·m, Mb: 60.8 N·m, Mc: 123.2 N·m				
Allowable dynamic moment	Ma: 9.91 N·m, Mb: 14.13 N·m, Mc: 28.65 N·m				
Overhang load length	Within the load moment range				
Ambient operating temperature, humidity	0 to 40°C, 85% RH or less (Non-condensing)				

Mb

Directions of allowable load moments

Ма

	Mc
20 91	0

Servo Motor (24V)

Table, Arm, Flat Type







н

1

Weight (kg)

4

6

2.4

4

6

2.6

6

8

2.8

6

8

3.1

8

10

3.3

(*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.
 ME : Mechanical end SE : Stroke end

			below. Select the type according to y					
Name	External view	Model number	Features	Maximum number of positioning points	Input power	Power- supply capacity	Standard price	Referen page
Solenoid Valve Type	1 Martin	AMEC-C-30I①-①-2-1	Easy-to-use controller, even for beginners		AC100V DC24V	2.4A rated	_	→ P53
solenoid valve type	8	ASEP-C-30I①-①-2-0	Simple controller operable with the same signal as a solenoid valve	3 points		(Standard) 1.3A rated 4.4A max. (Power-saving) 1.3A rated 2.2A max.	—	→ P54
olenoid valve multi-axis type PIO specification		MSEP-C	Positioner type based on PIO control, allowing up to 8 axes to be connected					→ P563
olenoid 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-30I①-①-2-0	Positioning is possible for up to 512 points	512 points			—	→ P631
Safety-Compliant Positioner Type		ACON-CG-30I①-12-0					—	
Pulse Train Input Type (Differential Line Driver)	<u>ci</u>	ACON-PL-301()-())-2-0	Pulse train input type with differential line driver support				—	
Pulse Train Input Type (Open Collector)	e	ACON-PO-30I①-①-2-0	Pulse train input type with open collector support				—	
Serial Communication Type		ACON-SE-301①-N-0-0	Dedicated Serial Communication	64 points			_	
Program Control Type		ASEL-CS-1-30I①-①-2-0	Programmed operation is possible. Can operate up to 2 axes	1,500 points			_	→ P67

IAI

/PN). RCA2-TA7R **350**

<mark>8</mark> 10

3.5

10

12

3.7

10

12

3.9

Arm/

Flat Type