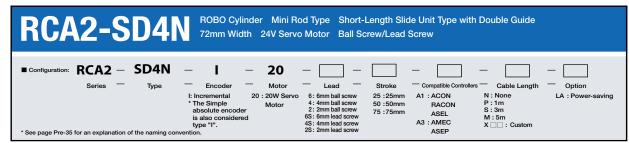
Rod Type Mini Standard





Power-saving

Technical P. A-5 References

- If no guide will be installed, see the Tip Load vs. Service Life graph (\rightarrow page A-82). The load capacity is based on operation at an acceleration of 0.3G (0.2G for the 2mm-lead model, lead screw
- model, or when used vertically). This is the upper limit of the acceleration. The values for the vertical load capacity are based on a setup in which the actuator is secured and the side
- bracket is moved. Please note that moving the actuator against the secured side bracket is not possible.
- When using the lead screw model, please use it for applications that are suitable for its characteristics. (See page Pre-42 for more information.)

Actuator Specifications

■ Lead and Load Capacity Max. Load Capacity Stroke Feed Screw Lead (mm) Output A Thrust (N 0.5 RCA2-SD4N-I-20-6-1 - 2 - 3 - 4 6 2 33.8 25 0.75 RCA2-SD4N-I-20-4-10-2-3-4 20 3 50.7 50 Ball Screv 4 ±0.02 75 1.5 RCA2-SD4N-I-20-2-1 - 2 - 3 - 4 2 6 101.5 (*1) 0.125 RCA2-SD4N-I-20-6S- 1 - 2 - 3 - 4 6 0.25 19.9 25 Lead 0.25 RCA2-SD4N-I-20-4S-1 - 2 - 3 - 4 20 29.8 ±0.05 50 (*1) 0.5 Screw 75 RCA2

A2-SD4N-I-20-2S-[1]-[2]-[3]-[4]		2	1	(*1)	59.7		
1 Stroke 2 Compatible controller 3 Cable length	4 Options			(*1)	When the	e main unit	is fixe

Stroke and Maximum Speed

3	Lead		(mm)	(mm)
	We	6	240 <200>	300
	Ball Screw	4	200	200
	Ba	2	100	100
	ew	6	200	300
	ead Screw	4	200	200
	Les	2	100	100
d	* The v	alues enclosed	in < > apply for vertice	cal usage. (Unit: mm/s)

① Stroke List

Legend

1) Ottoke Lie	ot .			
	Standa	rd Price		
Stroke (mm)	Feed Screw			
	Ball Screw	Lead Screw		
25	-	_		
50	ı	-		
75	_	_		

ec 3 Cable List

Туре	Cable Symbol	Standard Price
Standard	P (1m)	-
(Robot Cables)	S (3m)	-
	M (5m)	-
	X06 (6m) ~ X10 (10m)	-
Special Lengths	X11 (11m) ~ X15 (15m)	_
	X16 (16m) ~ X20 (20m)	-

^{*} The RCA2 comes standard with a robot cable.

		4	0	ptio	on	Lis	t
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4 Option List			
Name	Option Code	See Page	Standard Price
Power-saving	LA	→ A-32	_

Actuator Specifications

	Item	Description		
Drive System		Ball screw/Lead screw ø6mm C10 grade		
Lost Motion		Ball screw: 0.1mm or less/Lead screw: 0.3mm or less (initial value)		
Frame		Material: Aluminum (white alumite treated)		
Ambient Oper	ating Temp./Humidity	0~40°C, 85% RH or less (non-condensing)		
Service Life	Lead Screw	Horizontal: 10 million cycles Vertical: 5 million cycles		

195 RCA2-SD4N

^{*} See page A-39 for cables for maintenance.

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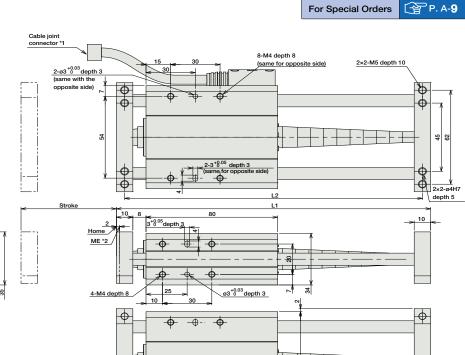
for details on cables.

surrounding objects.

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*2 When homing, the rod moves to the mechanical end;

therefore, please watch for any interference with the



■ Dimensions/Weight by Stroke Secure at least 100 75 Stroke 25 131 156 181 0.73 0.77 Weight (kg) 0.75

2×2-ø4.2

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Name	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity	Standard Price	See Pag
0.1	(Arm	AMEC-C-20I①-NP-2-1	Easy-to-use controller, even for beginners		AC100V	2.4A rated	-	→ P47
Solenoid Valve Type	3	ASEP-C-20I①-NP-2-0	Operable with same signal as solenoid valve. Supports both single and double solenoid types.	3 points			-	→ P48
Splash-Proof Solenoid Valve Type	1	ASEP-CW-20I①-NP-2-0	No homing necessary with simple absolute type.				-	→ P40
Positioner Type	Í	ACON-C-20I①-NP-2-0	Positioning is possible for up to 512 points 512 points		-			
Safety-Compliant Positioner Type		ACON-CG-20I①-NP-2-0	r containing to possible for up to 012 points	O12 pointo		(Standard) 1.3A rated	-	
Pulse Train Input Type (Differential Line Driver)		ACON-PL-20I①-NP-2-0	Pulse train input type with differential line driver support	(-)	DC24V	4.4A max. (Power–saving)	-	→ P53
Pulse Train Input Type (Open Collector)	-	ACON-PO-20I①-NP-2-0	Pulse train input type with open collector support	(-)		1.3A rated 2.5A max.	1	
Serial Communication Type		ACON-SE-20I①-N-0-0	Dedicated to serial communication	64 points			-	
Field Network Type		RACON-20①	Dedicated to field network	768 points			-	→ P50
Program Control Type	i i	ASEL-C-1-20I①-NP-2-0	Programmed operation is possible Operation is possible on up to 2 axes	1500 points			-	→ P56

IAI

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Mini
Standard
Controllers
integrated
Rod
Type
Mini
Standard
Controllers
integrated
Mini
Standard
Controllers
integrated
Mini
Standard
Standard

PMEC AMEC PSEP ASEP ASEP ACON SCON PSEL ASEL SSEL

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