Slider Type

Min

Standard

Integrated

Rod Type

Min

Standard

Table

Flat Typ

IVIII

Linear Servo

Cleanroom Type

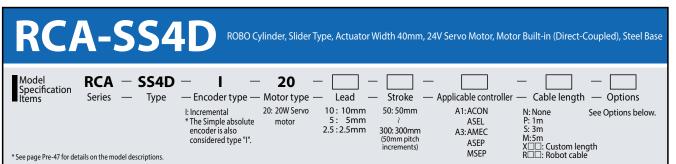
Splash-Proof Type

> Pulse Motor

Servo Moto (24V

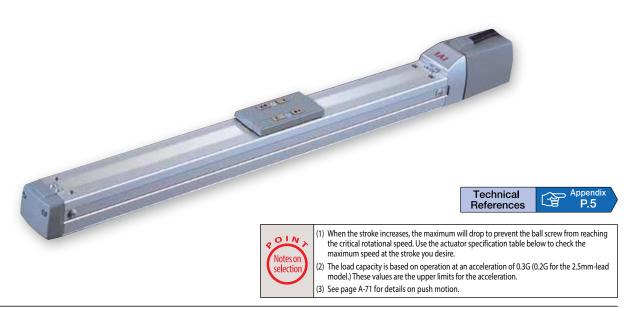
Servo Motor (200V)

Linear Servo Motor





Power-saving



Actuator Specifications

■ Leads and Payloads

Model number	Motor output (W)	Lead (mm)	Max. Load Capacity Horizontal (kg) Vertical (kg)		Rated thrust (N)	Stroke (mm)
RCA-SS4D-I-20-10-①-②-③-④		10	4	1	19.6	
RCA-SS4D-I-20-5-①-②-③-④	20	5	6	2.5	39.2	50~300 (every 50mm)
RCA-SS4D-I-20-2.5-①-②-③-④		2.5	8	4.5	78.4	·
			_			

■ Stroke and Maximum Speed

	Stroke Lead	50~300 (every 50mm)
	10	665
	5	330
ĺ	2.5	165
'n	nush motion	(Unit: mm/s)

①Stroke

①Stroke (mm)	Standard price
50	_
100	_
150	_
200	_
250	_
300	_

③Cable Length

Туре	Cable symbol	Standard Price
	P (1m)	_
Standard	S (3m)	_
	M (5m)	_
	X06 (6m) ~ X10 (10m)	_
Special length	X11 (11m) ~ X15 (15m)	_
	X16 (16m) ~ X20 (20m)	_
	R01 (1m) ~ R03 (3m)	_
	R04 (4m) ~ R05 (5m)	_
Robot Cable	R06 (6m) ~ R10 (10m)	_
	R11 (11m) ~ R15 (15m)	_
	R16 (16m) ~ R20 (20m)	_

^{*} See page A-59 for cables for maintenance.

Options | Option code | See page | Stand

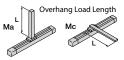
Name	Option code	See page	Standard price
Brake (cable exiting end)	BE	→ A-42	_
Brake (cable exiting left)	BL	→ A-42	_
Brake (cable exiting right)	BR	→ A-42	_
Power-saving	LA	→ A-52	_
Non-motor end specification	NM	→ A-52	_

Actuator Specifications

Description
Ball screw, ø8mm, rolled C10
±0.02mm
0.1mm or less
Material: Special alloy steel
Ma: 6.9 N·m, Mb: 9.9 N·m, Mc: 17.0 N·m
Ma: 2.7 N·m, Mb: 3.9 N·m, Mc: 6.8 N·m
120mm or less in Ma, Mb and Mc directions
0 to 40°C, 85% RH or less (Non-condensing)

(*) Based on 5,000km of traveling life







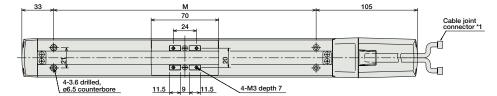
CAD drawings can be downloaded www.intelligentactuator.com

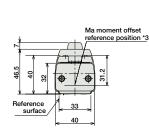
For Special Orders

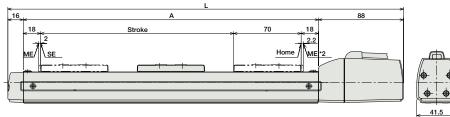




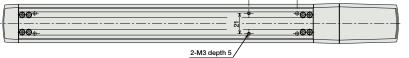
- (*1) Connect the motor and encoder cables here. See page A-59 for details on cables.
 (*2) After homing, the slider moves to the ME, therefore, please watch for any interference with surrounding objects. SE: Stroke end
- (*3) Reference position for calculating the Ma moment
- * Note that in order to change the orientation of the home, arrangements must be made to send in the product to IAI.
- * In the Non-motoe end model (NM), the new home is set 2.2mm in from the ME opposite of the motor-side.



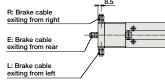


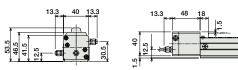






Dimensions of the Brake Section 8.5





Adding a brake increases the actuator's overall length (L) by 32mm (45.3mm with the cable coming out its end), and is heavier by 0.2kg.

■ Dimensions and Mass by Stroke

		,				
Stroke	50	100	150	200	250	300
L	260	310	360	410	460	510
Α	156	206	256	306	356	406
M	122	172	222	272	322	372
Weight (kg)	1.1	1.2	1.3	1.4	1.5	1.6

Stroke	50	100	150	200	250	300
L	260	310	360	410	460	510
Α	156	206	256	306	356	406
M	122	172	222	272	322	372
Weight (kg)	1.1	1.2	1.3	1.4	1.5	1.6

Applicable Controllers
RCA series actuators can be open

R.C.A 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	1	AMEC-C-20I①-①-2-1	Easy-to-use controller, even for beginners		AC100V	2.4A rated	_	→ P537
Soleriola valve Type	1	ASEP-C-20I①-①-2-0	Simple controller operable with the same signal as a solenoid valve	3 points			— — — — — — — — — — — — — — — — — — —	→ P547
Solenoid valve multi-axis type PIO specification	denne	MSEP-C	Positioner type based on PIO control, allowing up to 8 axes to be connected					→ 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	-	6 points		
Positioner type		ACON-C-20I①-⑪-2-0	Positioning is possible for up to 512	512 points	DC24V Po	(Standard) 1.3A rated	_	
Safety-Compliant Positioner Type		ACON-CG-20I()-())-2-0	points	312 points		4.4A max. (Power-saving)	_	
Pulse Train Input Type (Differential Line Driver)	Ć.	ACON-PL-20I①-①-2-0	Pulse train input type with differential line driver support	(—)		1.3A rated 2.5A max.	_	→ P631
Pulse Train Input Type (Open Collector)	ě	ACON-PO-20I①-⑪-2-0	Pulse train input type with open collector support	(—)			_	
Serial Communication Type		ACON-SE-20I①-N-0-0	Dedicated Serial Communication	64 points			_	
Program Control Type	1	ASEL-CS-1-20I①-⑪-2-0	Programmed operation is possible. Can operate up to 2 axes	1,500 points			_	→ P675

*This is for the single-axis ASEL. * Enter the code "LA" in ① when the power-saving specification is specified. * ⑩ indicates I/O type (NP/PN). * ⑩ indicates number of axes (1 to 8). * ⑩ indicates field network specification symbol.