



100

0.25 0L 0 6mm lead

400

500



(1) The load capacity is based on operation at an acceleration of 0.2G. This the upper limit for the acceleration. (2) The actuator cannot be used on its side or in a vertical orientation. (3) If used in a dusty environment, the service life will decrease significantly.

(4) This model uses a lead screw, therefore please ensure that your usage is appropriate for its characteristics. (See page Pre-42.)

Technical

References

Actuator Specifications											
Lead and Load Capacity							S S	troke a	nd Maxim	num Spee	d
Model	Feed Screw	Lead (mm)	Max. Load Horizontal (kg)	Capacity Vertical (kg)	Positioning Repeatability (mm)	Stroke (mm)	Lead	Stroke	25 (mm)	50 (mm)	75~150 (mm)
RCP3-SA2BC-I-20P-6S-①-②-③-④		6	0.25	-	±0.05	25~150 (25 increments)	Ma	6	180	280	300
RCP3-SA2BC-I-20P-4S-①-②-③-④	Lead screw	4	0.5	-			ead screw	4	180	20	00
RCP3-SA2BC-I-20P-2S-①-②-③-④		2	1	-			Lee	2		100	
egend () Stroke () Compatible Controller () Cable Le	enath 🕼 C	ptions									(Unit: mm/s

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Legend ① Stroke ② Compatible Controller ③ Cable Length ④ Options

1) Stroke Lis	st
Stroke (mm)	Standard Price
25	-
50	-
75	-
100	-
125	-
150	-

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

* The standard cable for the RCP3 is the robot cable.

* See page A-39 for cables for maintenance.

	④ Option List			
[Name	Option Code	See Page	Standard Price
[Reversed-home	NM	ightarrow A-33	-

Actuator Specifications	
Item	Description
Drive System	Lead screw Ø6mm C10 grade
Lost Motion	0.3mm or less (initial value)
Base	Material: Aluminum (white alumite treated)
Guide	Slide guide
Ambient Operating Temp./Humidity	0~40°C, 85% RH or less (non-condensing)
Service Life	10 million cycles

RCP3-SA2BC



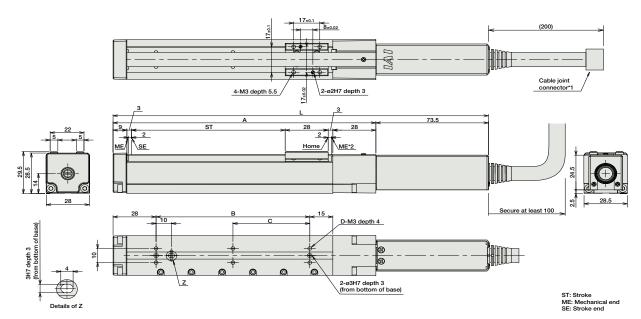
Pulse Moti ervo Moti (24) ervo Moti (200)

For Special Orders

*1: A motor-encoder cable is connected here. See page A-39 for details on cables.

Dimensions

*2: During the homing operation, the slider moves to actuator's mechanical end, and then reverses. Therefore, watch for any interference with its surroundings.



Dimensions/Weight by Stroke								
Stroke	25	50	75	100	125	150		
L	169.5	194.5	219.5	244.5	269.5	294.5		
A	96	121	146	171	196	221		
В	25	50	75	100	125	150		
С	0	0	0	50	62.5	75		
D	4	4	4	6	6	6		
Weight (kg)	0.3	0.32	0.35	0.37	0.4	0.42		

	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity		See Page	
Solenoid Valve Type		PMEC-C-20PI-NP-2-①	Easy-to-use controller, even for beginners		AC100V AC200V	See P481	-	→ P 477	
Sciencia valve Type	1	PSEP-C-20PI-NP-2-0	Operable with same signal as solenoid valve. Supports both single and double	3 points		-	-		
Splash-Proof Solenoid Valve Type	1	PSEP-CW-20PI-NP-2-0	solenoid types. No homing necessary with simple absolute type.				-	→ P487	
Positioner Type	1	PCON-C-20PI-NP-2-0	Positioning is possible for up	512 points			-		
Safety-Compliant Positioner Type		PCON-CG-20PI-NP-2-0	to 512 points				-		
Pulse Train Input Type Differential Line Driver)	4	PCON-PL-20PI-NP-2-0 Pulse train input type with differential line driver support	DC24V	2A Max.	-	→ P525			
Pulse Train Input Type (Open Collector)		PCON-PO-20PI-NP-2-0	Pulse train input type with open collector support				-]	
Serial Communication Type		PCON-SE-20PI-N-0-0	Dedicated to serial communication	64 points			-		
Field Network Type		RPCON-20P	Dedicated to field network	768 points			-	→ P503	
Program Control Type		PSEL-C-1-20PI-NP-2-0	Programmed operation is possible. Can operate up to 2 axes	1500 points			-	→ P557	

* 1 is a placeholder for the power supply voltage (1: 100V / 2: 100 \sim 240V).



ΙΑΙ

