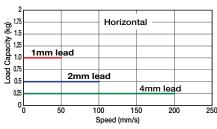


Technical References

the RCP3 series' load capacity decreases at high speeds. In the table below, check if your desired speed and load capacity are supported.

Due to the characteristics of the pulse motor,



Mini
Standard
Controllers
Integrated
Rod
Type
Mini
Standard
Controllers
Integrated

- (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.)

Actuator Specifications

Lead and Load Capacity						
Model	Feed Screw	Lead (mm)	Max. Load Horizontal (kg)		Positioning Repeatability (mm)	Stroke (mm)
RCP3-SA2AC-I-20P-4S-①-②-③-④		4	0.25	-		
RCP3-SA2AC-I-20P-2S-①-②-③-④	Lead screw	2	0.5	-	±0.05	25~100 (25 increments)
RCP3-SA2AC-I-20P-1S-1 -2 -3 -4		1	1	_		oromonio,

		S	troke an	d Maximum S	peed
		Lead	Stroke	25 (mm)	50 ~ 100 (mm)
		we	4	180	200
		Lead screw	2	10	00
)		Lea	1	5	0

(Unit: mm/s)

U Oll OKC LIST

Stroke (mm)	Standard Price
25	_
50	_
75	_
100	_

Legend ① Stroke ② Compatible Controller ③ Cable Length ④ Options

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 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
eversed-home	NM	→ A-33	_

Actuator Specifications	
Item	

Item	Description
Drive System	Lead screw (Ø4mm, 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

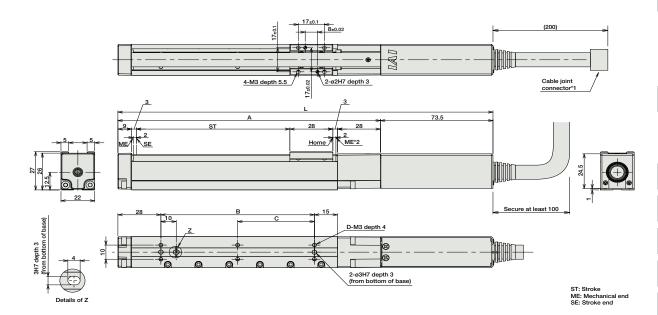
RCP3-SA2AC



For Special Orders



- *1: A motor-encoder cable is connected here. See page A-39 for details on cables.
- *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
L	169.5	194.5	219.5	244.5
Α	96	121	146	171
В	25	50	75	100
С	0	0	0	50
D	4	4	4	6
Weight (kg)	0.25	0.27	0.29	0.3

The RCP3 series actuators can operate with the controllers below. Select the controller according to your usage.								
	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity		See Pag
Colonald Value Tona	1152	PMEC-C-20PI-NP-2-①	Easy-to-use controller, even for beginners		AC100V AC200V	See P481	-	→ P47
Solenoid Valve Type Splash-Proof Solenoid Valve Type		PSEP-C-20PI-NP-2-0	Operable with same signal as solenoid valve. Supports both single and double	3 points			-	
	1	PSEP-CW-20PI-NP-2-0	solenoid types. No homing necessary with simple absolute type.				-	→ P48
Positioner Type		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	512 points			-	
Pulse Train Input Type (Differential Line Driver)	Ó	PCON-PL-20PI-NP-2-0 Pulse train input type with differential line driver support	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	rk Type RPCON-20P Dedicated to field network 768 points			-	→ P50			
Program Control Type		PSEL-C-1-20PI-NP-2-0	Programmed operation is possible. Can operate up to 2 axes				-	→ P55

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RCP3-SA2AC





Slider Type

nypⁿ

Standard

Controllers Integrated

Rod Type

Mini

Standard

Integrated

Mini

WIIII

Crinnari

Linear Servo

Cleanroom Type

Splash-Proof

ontrollers

PMEC /AMEC

ROBO NET

DOON

ACON

SCON

ASEL

SSEL

XSEL

Pulse Motor

Servo Motor (24V)

Servo Motor 200V)

Linear Servo Motor