

Power-saving

Technical References

P. A-5

30

(mm)

200

100

(Unit: mm/s)

- The lead screw is not equipped with an anti-rotation device. Therefore, when using the actuator, add an anti-rotation device such as a guide to the end of the lead screw prior to use. (Without an anti-rotation device, the lead screw will rotate, and will not extend or retract.)
- The load capacity is based on operation at an acceleration of 0.2G. This is the upper limit of the acceleration.
- (3) Do not apply any external force on the rod from any direction other than the direction of the rod's motion.
- (4) This model uses a lead screw. Please ensure that your usage is appropriate for its characteristics. (See page Pre-42 for more information.)

Actuator Specifications ■ Lead and Load Capacity Stroke and Maximum Speed Nax. Load Capacity Feed Screw Lead (mm) ositioning Stroke Model Output (w Thrust (N RCA2-RP3N-I-10-4S-30-1 -2 -3 0.25 0.125 25.1 4 Screw 30 RCA2-RP3N-I-10-2S-30- 1 - 2 - 3 10 0.25 2 2 0.5 50.3 ±0.05 Lead RCA2-RP3N-I-10-1S-30-10-20-3 1 0.5 100.5 Legend ① Compatible controller ② Cable length ③ Options

Stroke List

Stroke (mm)	Standard Price
	Feed Screw
	Lead Screw
30	-

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

- * The RCA2 comes standard with a robot cable.
- * See page A-39 for cables for maintenance.

PMEC /AMEC PSEP /ASEP ROBO NET PCON ACON PSEL ASEL

Rod Type

Mini

Standard

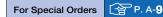
Controllers
Integrated

③ Option List			
Name	Option Code	See Page	Standard Price
Connector cable exit direction	K2	→ A-32	-
Power-saving	LA	→ A-32	_

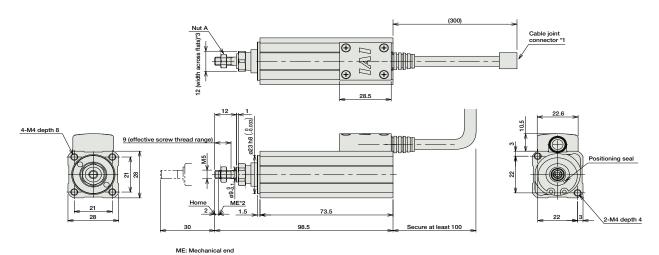
Actuator Specification	ns
Item	Description
Drive System	Lead Screw ø4mm C10 grade
Lost Motion	0.3mm or less (initial value)
Frame	Material: Aluminum (white alumite treated)
Ambient Operating Temp./Humidity	0~40°C, 85% RH or less (non-condensing)
Service Life	Horizontal: 10 million cycles Vertical: 5 million cycles

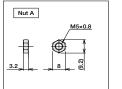
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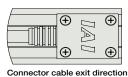




- *1 A motor-encoder cable is connected here. See page A-39 for details on cables.
- When homing, the rod moves to the mechanical end; therefore, please watch for any interference with the surrounding objects.
- The orientation of the bolt will vary depending on the product.







(Model: K2) Rotates 180 degrees with respect to the standard model

■ Dimensions/V	Veight by Stroke

Stroke	30
Weight (kg)	0.2

Name	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity	Standard Price	See F
0.1		AMEC-C-10I①-NP-2-1	Easy-to-use controller, even for beginners		AC100V	2.4A rated	-	→ P
Solenoid Valve Type	1	ASEP-C-10I①-NP-2-0	Operable with same signal as solenoid valve. Supports both single and double solenoid types.	3 points		(Standard) 1.3A rated 4.4A max. (Power-saving) 1.3A rated 2.5A max.	-	→ P487
Splash-Proof Solenoid Valve Type	I	ASEP-CW-10I①-NP-2-0	No homing necessary with simple absolute type.				-	
Positioner Type		ACON-C-10I①-NP-2-0	Positioning is possible for up to 512 points	512 points			1	→ P535
Safety-Compliant Positioner Type		ACON-CG-10I①-NP-2-0	T delitoring is possible for up to 312 points	OTZ points			-	
Pulse Train Input Type (Differential Line Driver)	ΩÎ	ACON-PL-10I①-NP-2-0	Pulse train input type with differential line driver support	(-)			1	
Pulse Train Input Type (Open Collector)	c	ACON-PO-10I①-NP-2-0	Pulse train input type with open collector support	(-)			-	
Serial Communication Type		ACON-SE-10I①-N-0-0	Dedicated to serial communication	64 points			1	
Field Network Type		RACON-10①	Dedicated to field network	768 points			_	→ F
Program Control Type		ASEL-C-1-10I①-NP-2-0	Programmed operation is possible Operation is possible on up to 2 axes	1500 points			-	→ F

IAI

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Mini
Standard
Controllers
integrated
Rod
Type
Mini
Standard
Controllers
integrated

PMEC AMEC PSEP ASEP ASEP ASEL SSEL SSEL