RCA2-TWA3N ROBO Cylinder Mini Table Type Short-Length Wide Model 50mm Width 24V Servo Motor Lead Screw Model ■ Configuration: RCA2- TWA3N-30 I: Incremental
* The simple 10: 10W Servo 4S: 4mm lead screw 30: 30mm A1: ACON N: None K2: Connector cable motor 2S: 2mm lead screw RACON P:1m exit direction absolute encoder ASEL S : 3m 1S:1mm lead screw LA: Power-saving is also considered type "I". A3: AMEC M : 5m ASEP X □□: Custom * See page Pre-35 for an explanation of the naming convention.

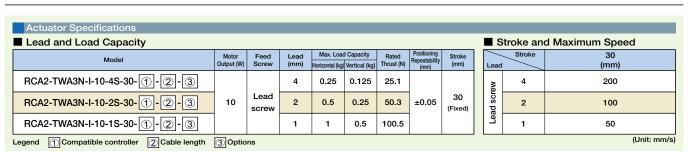
Power-saving

Technical References



Notes on Selection (1)

- The load capacity is based on operation at an acceleration of 0.2G.
 This is the upper limit of the acceleration.
- (2) This model uses a Lead screw, therefore please ensure that your usage is appropriate for its characteristics. (See page Pre-42 for more information.)



Stroke List	
Stroke (mm)	Standard Price
30	-

② Cable Lis	t	
Туре	Cable Symbol	Standard Price
Standard (Robot Cables)	P (1m)	-
	S (3m)	-
	M (5m)	-
Special Lengths	X06 (6m) ~ X10 (10m)	-
	X11 (11m) ~ X15 (15m)	-
	X16 (16m) ~ X20 (20m)	-
* The PCA2 come	s standard with a robot cable	

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

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

Actuator Specifications					
Item	Description				
Drive System	Lead screw ø4mm C10 grade				
Lost Motion	0.3mm or less (initial value)				
Frame	Material: Aluminum (white alumite treated)				
Allowable Dynamic Moment (Note)	Ma: 9.9 N·m Mb: 9.9 N·m Mc: 9.4 N·m				
Ambient Operating Temp./Humidity	0~40°C, 85% RH or less (non-condensing)				
Service Life	Horizontal: 10 million cycles Vertical: 5 million cycles				
(Note) Period on a 5 000 km consists life and fourthe socials					

(Note) Based on a 5,000 km service life set for the guide.

Slider Type

Standard

Rod Type

Min

Controllers Integrated

/Flat Type

Mini

Gripper

inear Servo. Type

Cleanroom Type

plash Proof

Controllers

/AMEC PSEP

NET

PCON

PSEL

SSE

Servo Motor

Linear Servo Motor



CAD drawings can be downloaded from IAI website. www.intelligentactuator.com

For Special Orders





4-M4

through

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Dimensions



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Connector cable exit direction (Model: K2)

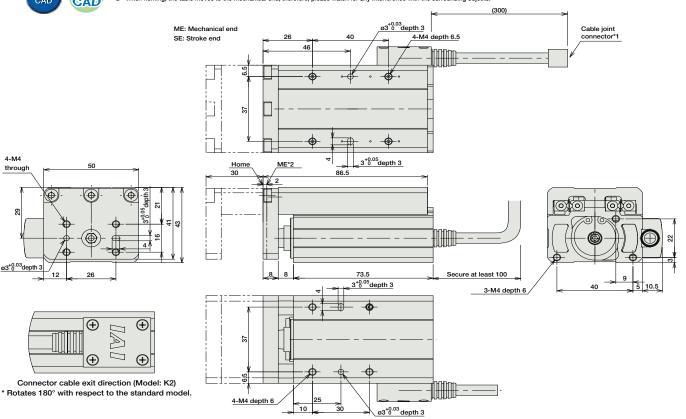
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- *1 The motor-encoder cable is connected here. See page A-39 for details on cables.
 - *2 When homing, the table moves to the mechanical end; therefore, please watch for any interference with the surrounding objects.



■ Dimensions/Weight by Stroke

Stroke	30		
Weight (kg)	0.52		

① Compatible Controllers	
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Name	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity	Standard Price	See Page	
Solenoid Valve Type	1	AMEC-C-10I①-NP-2-1	Easy-to-use controller, even for beginners	o-use controller, even for beginners AC	AC100V	2.4A rated	-	→ P477	
Solenoid valve Type	1	ASEP-C-10I①-NP-2-0	Operable with same signal as solenoid valve. Supports both single and double solenoid types. No homing necessary with simple absolute type.	3 points			-		
Splash-Proof Solenoid Valve Type	1	ASEP-CW-10I①-NP-2-0					-	→ P487	
Positioner Type		ACON-C-10I①-NP-2-0	Positioning is possible for up to 512 points	512 points			-		
Safety-Compliant Positioner Type		ACON-CG-10I①-NP-2-0	Positioning is possible for up to 512 points	512 points		(Standard) 1.3A rated	-		
Pulse Train Input Type Differential Line Driver)	- 11	ACON-PL-10I①-NP-2-0	Pulse train input type with differential line driver support	()	DC24V	4.4A max. (Power-saving)	-	→ P535	
Pulse Train Input Type (Open Collector)			ACON-PO-10I①-NP-2-0	Pulse train input type with open collector support	(-)	(-)	1.3A rate	1.3A rated 2.5A max.	-
Serial Communication Type	Í	ACON-SE-10I①-N-0-0	Dedicated to serial communication	64 points			-		
Field Network Type		RACON-10①	Dedicated to field network	768 points			-	→ P503	
Program Control Type		ASEL-C-1-10I①-NP-2-0	Programmed operation is possible Operation is possible on up to 2 axes	1500 points			-	→ P567	

Table/Arm /Flat Type

PMEC AMEC
PSEP ASEP
ROBEO NET
ERC2
PCON
ACON
SCON
PSEL
ASEL
SSEL

^{*} This is for the single-axis ASEL.
* ① is a placeholder for the code "LA" if the power-saving option is specified.