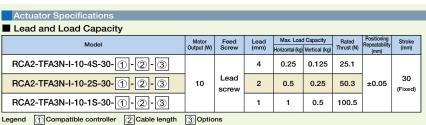


Power-saving

Technical References

P. A-**5** 

- (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



■ Stroke and Maximum Speed						
		Lead	Stroke	30 (mm)		
		ew	4	200		
		Lead screw	2	100		
		Pe	1	50		
				(Unit: mm/s)		

Stroke	LIST	
Stroko	(mm)	

Stroke (mm)	Standard Price
30	-

Туре	Cable Symbol	Standard Price
Standard	P (1m)	-
	<b>S</b> (3m)	-
(Robot Cables)	M (5m)	-
	X06 (6m) ~ X10 (10m)	-
Special Lengths	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
ERC2
PCON
ACON
SCON
PSEL
ASEL

Mini
Standard
Controllers
Integrated

Rod
Type

Mini
Standard
Controllers
Integrated

Table/Arm
//Flat Type

Mini
Standard

Gripper/
Rotary Type

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: 3.3 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) Based on a 5,000 km service life set for the guide.

② Cable List

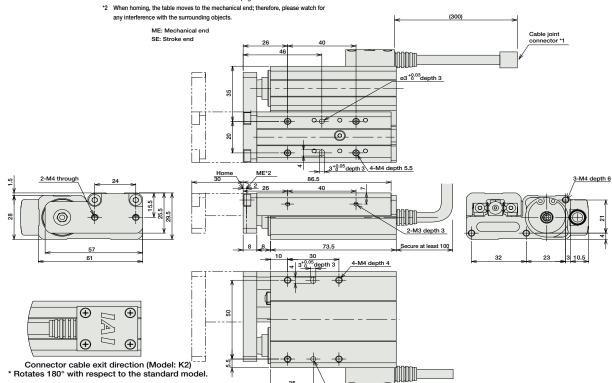
**297** RCA2-TFA3N







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



ø3 <sup>+0.03</sup>depth 3

## ■ Dimensions/Weight by Stroke

Stroke	30
Weight (kg)	0.4

U Companible Controllers
The PCA2 series actuators can energic with the controllers below. Select the controller according to your uses

(A) On which the On which the

Name	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity	Standard Price	See Pa			
Colonald Value Torra		AMEC-C-10I①-NP-2-1	Easy-to-use controller, even for beginners		AC100V	2.4A rated	-	→ P47			
Solenoid Valve Type	8	ASEP-C-10I①-NP-2-0	Operable with same signal as solenoid valve.	3 points			-	→ P487			
Splash-Proof Solenoid Valve Type	D	ASEP-CW-10I①-NP-2-0	Supports both single and double solenoid types.  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						-	
Safety-Compliant Positioner Type		ACON-CG-10I①-NP-2-0	rositioning is possible for up to 312 points	512 points		(Standard) 1.3A rated	-				
Pulse Train Input Type (Differential Line Driver)		ACON-PL-10(①-NP-2-0 Pulse train input type with differential line driver support	DC24V (Po	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 rated 2.5A max.	-			
Serial Communication Type		ACON-SE-10I①-N-0-0	Dedicated to serial communication	64 points			-				
Field Network Type		RACON-10①	Dedicated to field network	768 points						-	→ P50
Program Control Type		ASEL-C-1-10I①-NP-2-0	Programmed operation is possible Operation is possible on up to 2 axes	1500 points			-	→ P56			

IAI

RCA2-TFA3N **298** 



Mini
Standard
Controllers
Integrated

Rod
Type

Mini
Standard
Controllers
Integrated

Mini
Standard

Standard

Standard

PMEC (AMEC PSEP ASEP ASEP ASEP ASED PCON ACON PSEL ASEL SSEL