

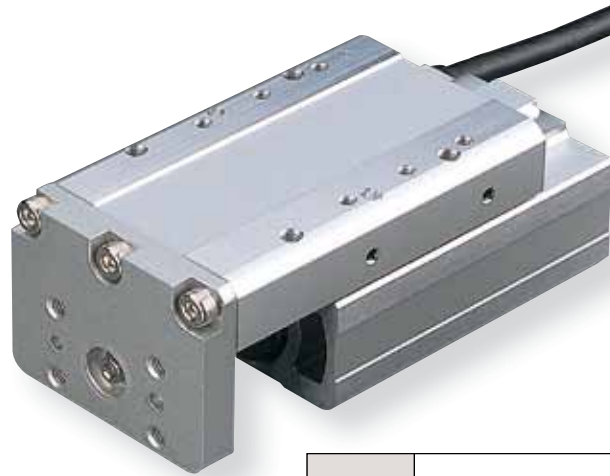
RCA2-TWA3N

ROBO Cylinder Mini Table Type Short-Length Wide Model 50mm Width
24V Servo Motor Lead Screw Model

■ Configuration: **RCA2** — **TWA3N** — **I** — **10** — **30** — **A1** — **N** — **K2**

Series	Type	Encoder	Motor	Lead	Stroke	Compatible Controllers	Cable Length	Option
		I: Incremental * The simple absolute encoder is also considered type "I".	10: 10W Servo motor	4S: 4mm lead screw 2S: 2mm lead screw 1S: 1mm lead screw	30: 30mm	A1: ACON RACON ASEL A3: AMEC ASEP	N: None P: 1m S: 3m M: 5m X □ □: Custom	K2: Connector cable exit direction LA: Power-saving

* See page Pre-35 for an explanation of the naming convention.



Power-saving

Technical References P. A-5

POINT
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.)

Actuator Specifications

Lead and Load Capacity

Model	Motor Output (W)	Feed Screw	Lead (mm)	Max. Load Capacity		Rated Thrust (N)	Positioning Repeatability (mm)	Stroke (mm)
				Horizontal (kg)	Vertical (kg)			
RCA2-TWA3N-I-10-4S-30-①-②-③	10	Lead screw	4	0.25	0.125	25.1	±0.05	30 (Fixed)
RCA2-TWA3N-I-10-2S-30-①-②-③			2	0.5	0.25	50.3		
RCA2-TWA3N-I-10-1S-30-①-②-③			1	1	0.5	100.5		

Legend ① Compatible controller ② Cable length ③ Options

Stroke and Maximum Speed

Lead screw	Stroke (mm)	
	4	30 (mm)
4	200	
2	100	
1	50	

(Unit: mm/s)

Stroke List

Stroke (mm)	Standard Price
30	—

② Cable List

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

