



Power-saving

Technical **曾** P. A-**5** References

(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

Actuator Specifications ■ Lead and Load Capacity Max. Load Capacity Lead (mm) Rated Thrust (N) Stroke (mm) RCA2-TCA3N-I-10-4S-30-1 - 2 - 3 0.25 0.125 25.1 30 RCA2-TCA3N-I-10-2S-30-10-2-3 10 2 0.5 0.25 50.3 ±0.05 RCA2-TCA3N-I-10-1S-30-1-2-3 1 1 0.5 100.5 Legend ① Compatible controller ② Cable length ③ Options

	■ S	troke an	d Maximum Speed	
1		Stroke 30		
1	Lead		(mm)	
	ew	4	200	
	ead screw	2	100	
	Le	1	50	
			(Unit: mm/s)	

Stroke List	
Stroke (mm)	Standard Price
30	1

② Cable List			
Туре	Type Cable Symbol		
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.

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	
(N. 1.) D		

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

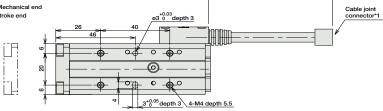
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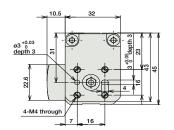


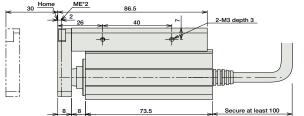


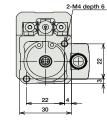
*1 The motor-encoder cable is connected here. See page A-39 for details on cables. When homing, the table moves to the mechanical end; therefore, please watch for

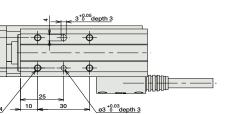


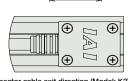












Connector cable exit direction (Model: K2) * Rotates 180° with respect to standard model.

■ Dimensions/Weight by Stroke

Stroke	30
Weight (kg)	0.37

Name External View Model Description Max. Positioning Points Input Voltage Power Supply Capacity Standard Prior	
Solenoid Valve Type ASEP-C-10(13-NP-2-0 Splash-Proof Solenoid Valve Type ASEP-C-10(13-NP-2-0 ASEP-C-10(13-NP-2-0 ASEP-C-10(13-NP-2-0 ASEP-C-10(13-NP-2-0 ASEP-C-10(13-NP-2-0 ASEP-C-10(13-NP-2-0 ASEP-C-10(13-NP-2-0 ACON-C-10(13-NP-2-0 Positioning is possible for up to 512 points (Standard) 1.3A rated 4.4A max. — Pulse Train liput Type (Power-saving) 1.3A rated 4.4A max. — (Power-saving) 1.3A rated 4.4A max. — (Power-saving) 1.3A rated 1.3A rated 4.4A max. — (Power-saving) 1.3A rated 1.3A rated	See Pag
ASEP-C-101®-NP-2-0 Splash-Proof Solenoid Valve Type ASEP-CW-101®-NP-2-0 ASEP-CW-101®-NP-2-0 ASEP-CW-101®-NP-2-0 ACON-C-101®-NP-2-0 ACON-CG-101®-NP-2-0 Positioning is possible for up to 512 points ACON-CG-101®-NP-2-0 Pulse Train Input Type Differential Line Driver) Pulse Train Input Type ACON-PL-101®-NP-2-0 Pulse train input type with differential line driver support ACON-PL-101®-NP-2-0 Pulse train input type with	→ P47
Splash-Proof Solenoid Valve Type ACON-C-101(3-NP-2-0	→ P48
Positioning is possible for up to 512 points Safety-Compliant ACON-CG-1013-NP-2-0 Position Type Position Type Position Type Position Type Differential Line Driver) ACON-PL-1013-NP-2-0 Pulse train input type with differential Line driver support Pulse Train Input Type ACON-PL-1013-NP-2-0 Pulse train input type with 4.4 Amax. - [Power-saving] 1.3A rated 2.56 mm -	→ P48
Safety-Compliant Positioner Type ACON-CG-10I(1-NP-2-0 Pulse Train Input Type (Differential Line Driver) Pulse Train Input Type (ACON-PL-10I(1-NP-2-0) Pulse train input type with differential line driver support (-) Pulse Train Input Type (-) ACON-PD-10I(1-NP-2-0) ACON-PD-10I(1-NP-2-0) Pulse train input type with 25 Armay	
Pulse Train Input Type ACON-PL-10I()-NP-2-0 Pulse train input Type with differential line driver support (-) DC24V (-) Pulse Train Input Type ACON-PD-10I()-NP-2-0 Pulse train input Type with ACON-PD-10I()-NP-2-0 Pulse train input Type with 2.56 may	
Pulse Train Input Type ACON_PO_10161_NP_2-0 Pulse train input type with 1.3A rated 2.5A may -	→ P53
Serial ACON-SE-10I®-N-0-0 Dedicated to serial communication 64 points -	

 * This is for the single-axis ASEL. * (f) is a placeholder for the code "LA" if the power-saving option is specified.

IAI

Programmed operation is possible Operation is possible on up to 2 axes

ASEL-C-1-10I①-NP-2-0

RCA2-TCA3N **290**



Mini
Standard
Controllers
Integrated

Rod
Type

Mini
Standard
Controllers
Integrated

Table/Arm
/Flat Type

Mini
Standard

PMEC AMEC PSEP ASEP ROBO NET ERC2 PCON ACON PSEL ASEL SSEL