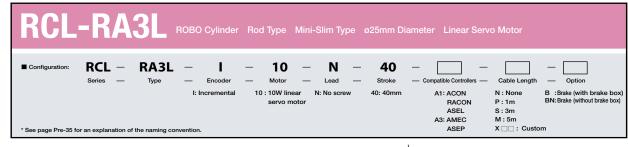
Standard
Controllers
Integrated
Rod
Type
Mini
Standard
Controllers
Integrated
Table/Arm
/Flat Type
Mini
Standard

PMEC
/AMEC
PSEP
//ASEP
ROBO
NET
ERC2
PCON
ACON
SCON
PSEL
ASEL



Technical **肇** P. A-**5** References

(1) The load capacity is determined by the acceleration and the duty. Check the load capacity on the Load Capacity (Horizontal) vs. Acceleration graph on the right Operating time The duty is Operating time + stationary time ×100 per cycle. If you will be operating the actuator vertically, please use the optional brake. (3) Please use an external guide to avoid horizontal or rotational load on the rod. (4) The pushing force will fluctuate significantly at low electrical limits. (5) Please note that an absolute unit cannot be used.

■ Load Capacity (Horizontal) vs. Acceleration

		, (J O ,	,		
	Max. Acceleration	Load Capacity (kg)				
		Continuous Operation (100% duty)		(70% or less duty)		
		Horizontal	Vertical	Horizontal	Vertical	
	0.1	2				
	0.3	2	0.4	2	0.4	
	0.5	1.6	0.4		0.4	
	1	0.78		1		
	1.5	0.46	-	0.6	-	
	2	0.3	-	0.4	-	

■ Pushing Force Guideline

The pushing motion is possible within the values below.						DW. (N)
Electrical Limit	30%	40%	50%	60%	70%	80%
Pushing Force	3	4	5	6	7	8

(Note) The above pushing force is applicable to horizontal usage. For vertical upward motions, subtract 1.8N from the above value, and for downward motions, add 1.8N.

Actuator Specifications ■ Lead and Load Capacity Stroke and Maximum Speed 40 Motor Output (W) See table 40 RCL-RA3L-I-10-N-40-1 - 2 - 3 10 30 ±0.1 (No lead screw) 450 Vertical 1G above above (Unit: mm/s) Legend ① Compatible controller ② Cable length

Stroke (mm)	Standard Price
40	-

② Cable List

Type	Cable Symbol	Standard Price		
Type	Cable Symbol	No Brake	Brake With Break	
Standard Type	P (1m)	-	-	
	S (3m)	-	-	
(Robot Cables)	M (5m)	-	-	
	X06 (6m) ~ X10 (10m)	-	-	
Special Lengths	X11 (11m) ~ X15 (15m)	-	-	
	X16 (16m) ~ X20 (20m)	ı	ı	

- * The RCL comes standard with a robot cable.
- * See page A-39 for cables for the brake-less model.
- * See page 396 for cables for the brake-equipped model.

3 Option Price List			
Name	Option Code	See Page	Standard Price
Brake (with brake box)	В	→ P396	-
Brake (without brake box)	BN	→ P396	_

*To use the brake, a brake box and a dedicated cable for the brake-equipped model are required. If you just need the brake-equipped actuator itself for maintenance, please specify option "BN" (no brake box).

Actuator Specifications				
Item	Description			
Drive System	Linear servo motor			
Encoder Resolution	0.042mm			
Base	Material: Carbon steel tube (nickel-plated)			
Ambient Operating Temp./Humidity	0~40°C, 85% RH or less (non-condensing)			
Service Life	10 million round trip cycles			

395 RCL-RA3L



sales@electromate.com

Controllers integrated

Rod Type

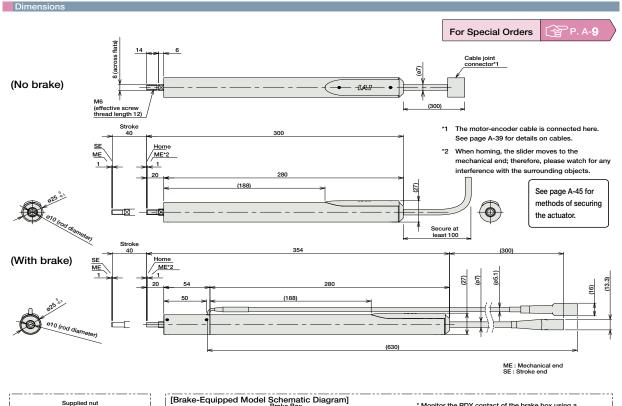
Mini

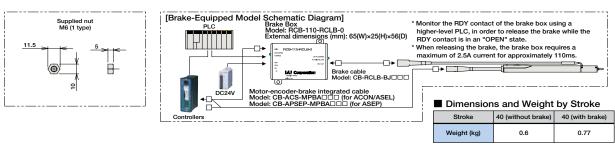
Standard

Controllers integrated

Table/Arm
/Flat Type

PMEC AMEC PSEP ASEP ASEP ACON SCON PSEL ASEL XSEL





Name		Model		Max. Positioning Points	Input Voltage	Power Supply Capacity	Standard Price	See Page
	The state of the s	AMEC-C-10I-NP-2-1	Easy-to-use controller, even for beginners		AC100V	2.4A rated	-	→ P477
Solenoid Valve Type		ASEP-C-10I-NP-2-0	Operable with same signal as solenoid valve.	3 points	DC24V	6.4A max.	-	→ P487
Splash-Proof Solenoid Valve Type	1	ASEP-CW-10I-NP-2-0	Supports both single and double solenoid types. No homing necessary with simple absolute type.				-	
Positioner Type		ACON-C-10I-NP-2-0	Positioning is possible for up to 512 points	512 points			-	→ P535
Safety-Compliant Positioner Type		ACON-CG-10I-NP-2-0	- Positioning is possible for up to 512 points				-	
Pulse Train Input Type Differential Line Driver)		ACON-PL-10I-NP-2-0	Pulse train input type with differential line driver support	· (-)			-	
Pulse Train Input Type (Open Collector)		ACON-PO-10I-NP-2-0	Pulse train input type with open collector support				-	
Serial Communication Type		ACON-SE-10I-N-0-0	Dedicated to serial communication	64 points			-	
Field Network Type		RACON-10	Dedicated to field network	768 points			-	→ P503
Program Control Type		ASEL-C-1-10I-NP-2-0	Programmed operation is possible Operation is possible on up to 2 axes	1500 points			-	→ P567

IAI

RCL-RA3L 396

