Mini

Standard

Roo

Тур

Mir

Standard

Integrated

Table/ Arm/ Flat Type

Mini

Rotary Type

OIN

. Notes or

Actuator Specifications

Servo Type

Cleanroom Type

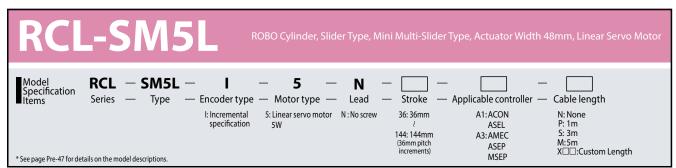
Splash Proo Type

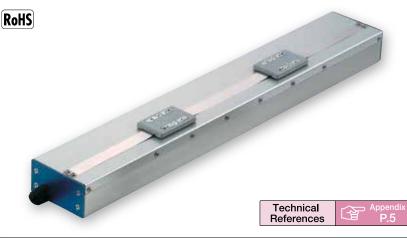
> Puls Moto

Servo Motor (24V

Servo Motor (200V)

Linear Servo Motor





Relation between payload (horizontal) and acceleration

Maximum Acceleration (G)	Load Capacity (kg) Continuous operation (Duty is 100%)	
0.1		
	1.6	
0.3		
0.5	1.0	
1	0.5	
1.5	0.35	
2	0.25	

(1) Please take care because this type has magnetic flux leakage. (If magnetism is a problem, use SA1L/SA2L/SA3L)

(2) The payload is determined by the acceleration and duty. Verify the payload in the payload (horizontal) and acceleration chart at right.

The duty is Operating time x 100 per cycle.

- (3) The mounting position is horizontal-only. Please take care because the slider will drop down with power OFF when operating vertically.
- (4) Simple absolute unit cannot be used with the RCL series.

■ Stroke and Maximum Speed

■ Lead and Payload Motor Maximum payload output(W) Horizontal (kg) Vertical (kg) Maximum payload Rated thrust (N) nstantaneous Model number (mm) 36~144 See chart RCL-SM5L-I-5-N-①-②-③ 5 5 18 2 ±0.1 (Every above 36mm)

Stroke Lead	36~144 (Every 36mm)
(no screw)	1400

Code explanation ① Stroke ② Applicable controller ③ Cable length

(Unit: mm/s)

① Stroke	
①Stroke (mm)	Standard price
36	_
72	_
108	_
144	_

③ Cable Length					
Туре	Cable symbol	Standard price			
Standard	P (1m)	_			
(Robot Cables)	S (3m)	_			
(Nobol Cables)	M (5m)	_			
	X06 (6m) ~ X10 (10m)	_			
Special length	X11 (11m) ~ X15 (15m)	_			
	X16 (16m) ~ X20 (20m)	_			

- * The standard cable for the RCL is the robot cable.
- * See page A-59 for cables for maintenance.

Actuator Specifications

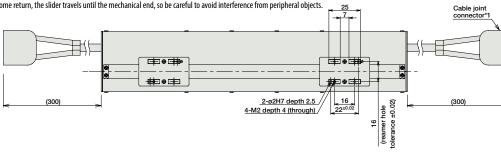
ltem	Description
Drive System	Linear servo motor
Encoder resolution	0.042mm
Base	Material: Aluminum, white alumite treated
Allowable dynamic moment (*)	Ma: 0.49 N·m, Mb: 0.41 N·m, Mc: 0.72 N·m
Overhung load length	Ma direction: 80mm or less Mb and Mc directions: 100mm or less
Ambient operating temperature, humidity	0 to 40°C, 85% RH or less (Non-condensing)

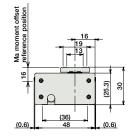
(*) Based on 5,000km of traveling life

For Special Orders

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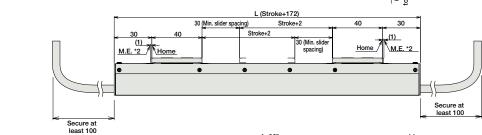
(*1) Connect the motor-encoder integrated cable here. See page A-59 for details on cables.
 (*2) During home return, the slider travels until the mechanical end, so be careful to avoid interference from peripheral objects.

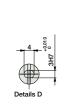


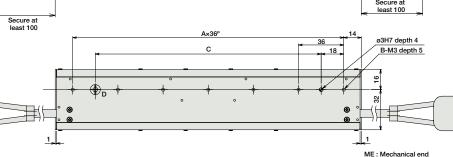


Dimensional Drawings

2D CAD







ME : Mechanical end SE : Stroke end ■ Dimensions and Weight by Stroke

			,	
Stroke	36	72	108	144
L	208	244	280	316
Α	5	6	7	8
В	6	7	8	9
C	144	180	216	252
Weight (kg)	0.62	0.69	0.75	0.82

Note: One controller is required for each slider. (Or, one 2-axis controller is required.)

②Applicable Controllers

Name	External view	Model number	Features	Maximum number of positioning points	Input power	Power-supply capacity	Standard price	Reference page
Solenoid Valve Type	THE STATE OF THE S	AMEC-C-5I-①-2-1	Easy-to-use controller, even for beginners		AC100V	2.4A rated	_	→ P537
Soletiola valve Type	1	ASEP-C-5I-①-2-0	Simple controller operable with the same signal as a solenoid valve	3 points	DC24V		_	→ P547
Solenoid valve multi-axis type PIO specification		MSEP-C	Positioner type based on PIO control, allowing up to 8 axes to be connected			1.0A rated 6.4A max.	_	→ P563
Solenoid valve multi-axis type Network specification		MSEP-C	Field network-ready positioner type, allowing up to 8 axes to be connected	256 points				
Positioner type		ACON-C-5I-①-2-0	Positioning is possible for up to 512	512 points			-	
Safety-Compliant Positioner Type		ACON-CG-5I-①-2-0	points				_	
Pulse Train Input Type (Differential Line Driver)		ACON-PL-5I-①-2-0	Pulse train input type with differential line driver support	(—)			_	→ P631
Pulse Train Input Type (Open Collector)	1	ACON-PO-5I-①-2-0	Pulse train input type with open collector support	(—)			_	
Serial Communication Type		ACON-SE-5I-N-0-0	Dedicated Serial Communication	64 points			_	
Program Control Type		ASEL-CS-1-5I-①-2-0	Programmed operation is possible. Can operate up to 2 axes	1,500 points			_	→ P675

*This is for the single-axis ASEL. * ① indicates I/O type (NP/PN). * ① indicates number of axes (1 to 8). * ⑩ indicates field network specification symbol.