Type

Mini

Standard

Integrated

Roc Type

Min

 $C \in$

RoHS

Standard

Integrated

Table/ Arm/ Flat Type

Min

Linear

Clean-

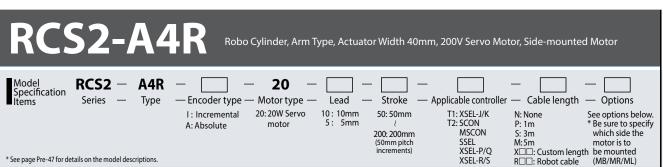
Splash-Proo Type

> Pulse Motor

Servo Motor (24V

Servo Motor (200V)

Linear Servo Motor



*CE compliance is optional.

Technical References



(Unit: mm/s)

- (1) When the stroke increases, the maximum speed will drop to prevent the ball screw from reaching the critical rotational speed. Use the actuator specification table below to check the maximum speed at the stroke you desire.
- (2) The load capacity is based on operation at an acceleration of 0.2G. This is the upper limit of the acceleration.
- (3) See page A-71 for details on push motion.

Actuator Specifications

■ Leads and Payloads

= Ecuas una l'aylouas							
Model number	Motor output (W)	Lead (mm)	Max. Load Capacity		Rated	Stroke	
Woder Humber			Horizontal (kg)	Vertical (kg)	thrust (N)	(mm)	
RCS2-A4R-①-20-10-②-③-④-B-⑤	20	10	_	2.5	39.2	50~200	
RCS2-A4R-①-20-5-②-③-④-B-⑤	20	5	_	4.5	78.4	(every 50mm)	

■ Stroke and Maximum Speed

Stroke Lead	50~200 (every 50mm)
10	330
5	165

①Encoder Type/②Stroke

②Stroke (mm)	Standard price			
	①Encoder Type			
	Incremental	Absolute		
	I	Α		
50	_	_		
100	_	_		
150	_	_		
200	_	_		

4 Cable Length

Туре	Cable symbol	Standard Price	
	P (1m)	_	
Standard	S (3m)	_	
	M (5m)	_	
	X06 (6m) ~ X10 (10m)	_	
Special length	X11 (11m) ~ X15 (15m)	_	
	X16 (16m) ~ X20 (20m)	_	
	R01 (1m) ~ R03 (3m)	_	
Robot Cable	R04 (4m) ~ R05 (5m)	_	
	R06 (6m) ~ R10 (10m)	_	
	R11 (11m) ~ R15 (15m)	_	
	R16 (16m) ~ R20 (20m)	_	

 $[\]ensuremath{^*}$ See page A-59 for cables for maintenance.

⑤ Options

Name	Option code	See page	Standard price	
Brake	В	→ A-42	_	
CE compliance	CE	→ A-42	_	
Bottom-mounted motor	MB	→ A-52	_	
Right-mounted motor	MR	→ A-52	_	
Left-mounted motor	ML	→ A-52	_	
Non-motor end specification	NM	→ A-52	_	

Actuator Specifications

Item	Description
Drive System	Ball screw, ø8mm, rolled C10 (ball screw speed reduced by 1/2 by timing belt)
Positioning repeatability	±0.02mm
Lost Motion	0.1mm or less
Base	Material: Aluminum, white alumite treated
Allowable dynamic moment	Ma: 2.7 N·m, Mb: 3.1 N·m, Mc: 2.9 N·m
Ambient operating temperature, humidity	0 to 40°C, 85% RH or less (Non-condensing)

Directions of allowable load moments







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For Special Orders





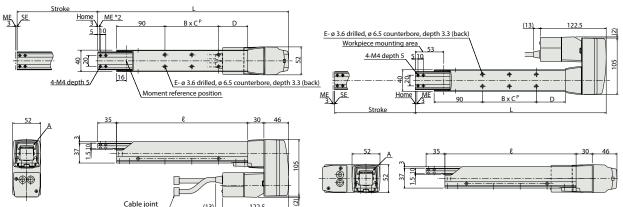


- (*1) Connect the motor and encoder cables here. See page A-59 for details on cables.
 (*2) After homing, the slider moves to the ME, therefore, please watch for any interference with surrounding objects.

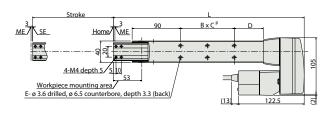
SE : Stroke end ME: Mechanical end

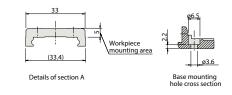
Bottom-mounted motor (option code: MB)

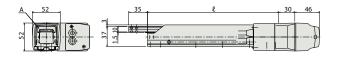
Right-mounted motor (option code: MR)



Left-mounted motor (option code: ML)







■ Dimensions and Weight by Stroke

			. ,	-
Stroke	50	100	150	200
L	255	305	355	405
l	144	194	244	294
B x C ^p	1×19	1×50	2×50	2×50
D	35	54	54	104
E	4	4	6	6
Weight (kg)	1.7	1.8	2.0	2.1

③ Applicable Controllers

Name	External view	Model number	Features	Maximum number of positioning points	Input power	Power supply capacity	Standard price	Reference page	
Positioner mode		SCON-CA-20①-NP-2-①	Up to 512 positioning points are supported.	512 points		100//	_	→ P643	
Solenoid valve mode	H		Actuators can be operated through the same control used for solenoid valves.	7 points					
Field network type			3CON-CA-20()-NP-2-(II)	Movement by numerical specification is supported.	768 points	Single-phase 100VAC	106 VA max. *Power supply capacity will	_	→ P043
Pulse-train input control type			Dedicated pulse-train input type	(-)	Single-phase 200VAC 3-phase 200VAC (XSEL-P/Q/R/S 0NLY)		_		
Positioner multi-axis, network type	图器	MSCON-C-1-20①-②-0-⑪	Up to 6 axes can be operated. Movement by numerical specification is supported.	256 points			_	→ P655	
Program control type, 1 to 2 axes		SSEL-CS-1-20①-NP-2-⑪	Program operation is supported. Up to 2 axes can be operated.	20000 points			_	→ P685	
Program control type, 1 to 8 axes	Pilita	XSEL-(1)-1-20(1)-N1-EEE-2-(1)	Program operation is supported. Up to 8 axes can be operated.	Varies depending on the number of axis connected			_	→ P695	

*This is for the single-axis MSCON, SSEL, and XSEL.

*(ii) indicates the power-supply voltage type (1: 100 V / 2: Single-phase 200 V).

*(iii) indicates the power-supply voltage type (1: 100 V / 2: Single-phase 200 V).

*(iii) indicates the power-supply voltage type (1: 100 V / 2: Single-phase 200 V).

*(iii) indicates the mover-supply voltage type (1: 100 V / 2: Single-phase 200 V).

- * ① indicates the encoder type (I: Incremental / A: Absolute).

Flat Type