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 \blacksquare Configuration: RCS2 - SA4C 20 Type

* See page Pre-35 for explanation of each code that makes up the configuration name.

20: 20W Servo

10:10mm 5: 5mm 2.5:2.5mm

50: 50mm 400:400mm (50mm pitch

T1: XSEL-J/K T2: SCON SSEL XSEL-P/Q

N : Non P : 1m S : 3m M : 5m See Options below

X :: Custom Length R :: Robot Cable

For High Acceleration/Deceleration

(excluding the 2.5-mm lead model)



and the high acceleration/deceleration model at 1G (excluding the 2.5mm-lead model). (Even when the acceleration/deceleration is dropped, the maximum load capacity values shown in the table below are the upper limits.)

Actuator Specifications

Lead and Load Capacity						
Model		Lead	Max. Load		Rated	Stroke
	Output (w)	(mm)	Horizontal (kg)	Vertical (kg)	Thrust (N)	(mm)
RCS2-SA4C-①-20-10-②-③-④-⑤		10	4	1	19.6	
RCS2-SA4C-①-20-5-②-③-④-⑤	20	5	6	2.5	39.2	50~400 (50mm

Model	Output (w)	Lead (mm)	Max. Load Horizontal (kg)	Vertical (kg)	Thrust (N)	Stroke (mm)	
RCS2-SA4C-①-20-10-②-③-④-⑤		10	4	1	19.6		
RCS2-SA4C-①-20-5-②-③-④-⑤		5	6	2.5	39.2	50~400 (50mm increments)	
RCS2-SA4C-①-20-2.5-②-③-④-⑤		2.5	8	4.5	78.4	oroon.o,	
Legend ① Encoder ② Stroke ③ Compatible controller ④ Cable length ⑤ Options							

	Stroke and Maximum Speed					
		Stroke Lead	$50 \sim 400$ (50mm increments)			
		10	665			
) ts)		5	330			
,		2.5	165			

(Unit: mm/s)

Encoder & Stroke List

	Standard Price				
② Stroke (mm)	① Encoder Type				
2 Stroke (IIIII)	Incremental	Absolute			
	-	Α			
50	ı	_			
100	ı	-			
150	-	_			
200	-	-			
250	-	-			
300	-	_			
350	ı	_			
400	1	-			

4 Cable List

Туре	Cable Symbol	Standard Price
	P (1m)	_
Standard	S (3m)	_
	M (5m)	
Special Lengths	X06 (6m) ~ X10 (10m)	_
	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)	

^{*} For cables for maintenance, see page A-39.

Name	Option Code	See Page	Standard Price
Brake	В	→ A-25	_
Foot bracket	FT	→ A-29	_
For High Acceleration/Deceleration	HA	→ A-32	_
Home sensor	HS	→ A-32	_
Reversed-home	NM	→ A-33	_
Slider Roller	SR	→ A-36	_
Slider spacer	SS	→ A-36	_

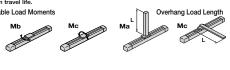
Actuator Specifications

Item	Description			
Drive System	Ball screw Ø8mm C10 grade			
Positioning Repeatability	±0.02mm			
Lost Motion	0.1mm or less			
Base	Material: Aluminum (white alumite treated)			
Allowable Static Moment	Ma: 6.9N·m Mb: 9.9N·m Mc: 17.0N·m			
Allowable Dynamic Moment (*)	Ma: 2.7N·m Mb: 3.9N·m Mc: 6.8N·m			
Overhang Load Length	Ma direction: 120mm or less Mb·Mc direction: 120mm or less			
Ambient Operating Temp./Humidity	0~40°C, 85% RH or less (Non-condensing)			

(*) Based on 5,000km travel life









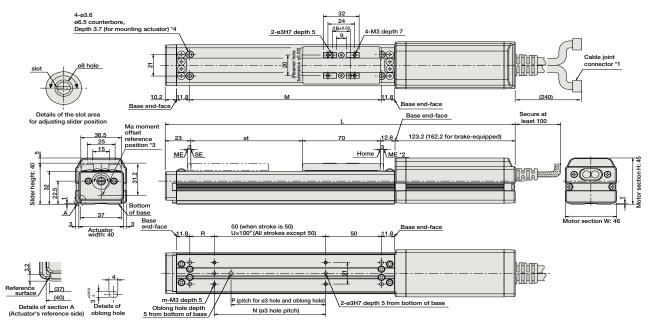
^{*} The high-acceleration/deceleration option and the slider roller option cannot be used together.
* The 2.5mm-lead model cannot be used with the high-acceleration/deceleration option.

For Special Orders

A motor-encoder cable is connected here. See page A-39 for details on cables. When homing, the slider moves to the ME; therefore, please watch for any interference with the surrounding objects.

ME: Mechanical end SE: Stroke end Reference position for calculating the moment Ma sliding of the slider, or may produce abnormal noise. Therefore, when

If the actuator is secured using only the mounting holes provided on the top surface of the base, the base may twist to cause abnormal using the mounting holes on the top surface of the base, keep the stroke at 200mm or less.



■ Dimensions/Weight by Stroke * Brake-equipped models are heavier by 0.3kg.

	Stroke	50	100	150	200	250	300	350	400
Γ.	No Brake	279	329	379	429	479	529	579	629
-	With Brake	318	368	418	468	518	568	618	668
	М	122	172	222	272	322	372	422	472
	N	50	100	100	200	200	300	300	400
	Р	35	85	85	185	185	285	285	385
	R	22	22	72	22	72	22	72	22
	U	-	1	1	2	2	3	3	4
	m	4	4	4	6	6	8	8	10
١	Neight (kg)	0.7	8.0	0.9	1	1.1	1.2	1.3	1.4

③ Compatible Controllers The RCS2 series actuators can operate with the controllers below. Select the controller according to your usage. Positioning is Positioner Mode ssible for up to 512 points Operable with Solenoid Valve same controls as 7 points Mode SCON-C-20①②-NP-2-③ Single-Phase AC 100V → P547 Serial Dedicated to Communication serial 64 points 360VA max. Type communication Single-Phase AC 200V When operating a 150W single-Pulse Train Input Dedicated to 3-Phase AC 200V (XSEL-P/Q only) axis model Programmed Program Control SSEL-C-1-20 (1)(2)-NP-2-(3) eration is possible 20000 points → P577 1-2 Axis Type Can operate up to 2 axes Programmed operation is possible Program Control 1-6 Axis Type XSEL-4-1-2012-N1-EEE-2-5 20000 points → P587 Can operate up to 6 axes * For SSEL and XSEL, only applicable to the single-axis model. * ① is a placeholder for the encoder type (I: incremental, A: absolute). * ② is a placeholder for the code "HA" when the high acceleration/deceleration option is specified.

- 3 is a placeholder for the code "FIA" when the high acceleration/oreceleration option is specimed.
 3 is a placeholder for the power supply voltage (1: single-phase 100V, 2: single phase 200V).
 4 is a placeholder for the XSEL type name (J, K, P, Q).
 5 is a placeholder for the power supply voltage type (1: 100V, 2: single-phase 200V, 3: 3-phase 200V).

IAI



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

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