

RCS2CR-SA4C

Cleanroom ROBO Cylinder Slider Coupling Type 40mm Width 200V Servo Motor Aluminum Base

■ Configuration: **RCS2CR** — **SA4C** — — **20** — — — — —

Series — Type — Encoder — Motor — Lead — Stroke — Compatible Controllers — Cable Length — Option

I : Incremental
A : Absolute

20 : 20W servo motor

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

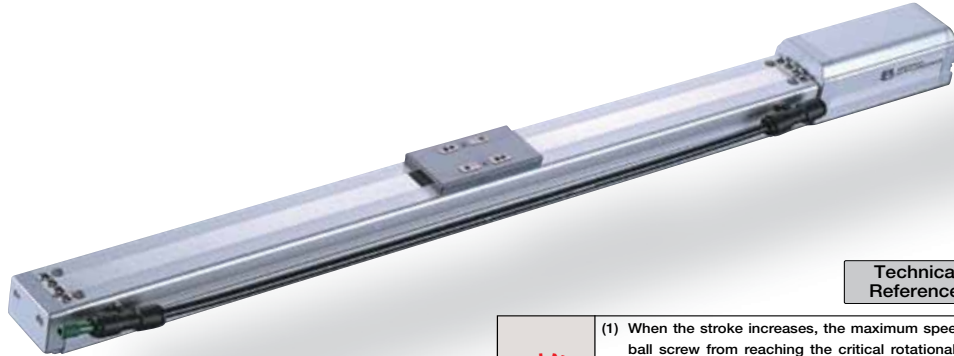
50 : 50mm
400 : 400mm (50mm pitch increments)

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

N : None
P : 1m
S : 3m
M : 5m
X : Custom
R : Robot cable

See Options below

* See page Pre-35 for an explanation of the naming convention.



Technical References P. A-5

- POINT**
Notes on Selection
- 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.
 - The load capacity is based on operation at an acceleration of 0.3G (0.2G for the 2.5mm-lead model). This is the upper limit of the acceleration.

Actuator Specifications						Stroke, Max. Speed/Suction Volume			
Lead and Load Capacity						Stroke, Max. Speed/Suction Volume			
Model	Motor Output (W)	Lead (mm)	Max. Load Capacity Horizontal (kg)	Max. Load Capacity Vertical (kg)	Rated Thrust (N)	Stroke (mm)	Stroke / Lead	50 ~ 400 (50mm increments)	Suction Volume (NL/min)
RCS2CR-SA4C-①-20-10-②-③-④-⑤	20	10	4	1	19.6	50~400 (50mm increments)	10	665	50
RCS2CR-SA4C-①-20-5-②-③-④-⑤		5	6	2.5	39.2	5	330	30	
RCS2CR-SA4C-①-20-2.5-②-③-④-⑤		2.5	8	4.5	78.4	2.5	165	15	

Legend: ① Encoder ② Stroke ③ Compatible controller ④ Cable length ⑤ Options (Unit: mm/s)

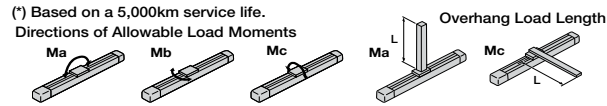
① Encoder & Stroke List		
Stroke (mm)	Standard Price	
	Encoder Type	
	Incremental	Absolute
50	-	-
100	-	-
150	-	-
200	-	-
250	-	-
300	-	-
350	-	-
400	-	-

④ Cable List		
Type	Cable Symbol	Standard Price
Standard Type	P (1m)	-
	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)	-

* See page A-39 for cables for maintenance.

⑤ Option List			
Name	Option Code	See Page	Standard Price
Brake	B	→ A-25	-
Foot bracket	FT	→ A-29	-
Home sensor	HS	→ A-32	-
Reversed-home	NM	→ A-33	-
Slider spacer	SS	→ A-36	-
Intake port mounted on opposite side	VR	→ A-38	-

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 Length	Ma direction: 120mm or less; Mb-Mc direction: 120mm or less
Grease type	Low dust generation grease (both ball screw and guide)
Cleanliness	Class 10 (0.1µm)
Ambient Operating Temp./Humidity	0~40°C, 85% RH or less (non-condensing)



425 RCS2CR-SA4C

