

RCS2CR-SS8C

Cleanroom ROBO Cylinder Slider Coupling Type 80mm Width 200V Servo Motor Steel Base

■ Configuration: **RCS2CR-SS8C**

Series	Type	Encoder	Motor	Lead	Stroke	Compatible Controllers	Cable Length	Option
I : Incremental A : Absolute	100 : 100W servo motor 150 : 150W servo motor	20 : 20mm 10 : 10mm	50 : 50mm 1000 : 1000mm (50mm pitch increments)	T1 : XSEL-J/K T2 : SCON SSEL XSEL-P/Q	N : None P : 1m S : 3m M : 5m X <input type="checkbox"/> : Custom R <input type="checkbox"/> : Robot cable	See Options below		

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



Technical References P. A-5

- Notes on Selection**
- (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 0.3G. This is the upper limit of the acceleration.

Actuator Specifications

■ Lead and Load Capacity

Model	Motor Output (W)	Lead (mm)	Max. Load Capacity		Rated Thrust (N)	Stroke (mm)
			Horizontal (kg)	Vertical (kg)		
RCS2CR-SS8C-①-100-20-②-③-④-⑤	100	20	20	4	84.9	50~1000 (50mm increments)
RCS2CR-SS8C-①-100-10-②-③-④-⑤		10	40	8		
RCS2CR-SS8C-①-150-20-②-③-④-⑤	150	20	30	6	128	
RCS2CR-SS8C-①-150-10-②-③-④-⑤		10	60	12		

Legend: ① Encoder ② Stroke ③ Compatible controller ④ Cable length ⑤ Options

■ Stroke, Max. Speed/Suction Volume

Stroke Lead	50 ~ 600 (50mm increments)	~ 700 (mm)	~ 800 (mm)	~ 900 (mm)	~ 1000 (mm)	Suction Volume (Nl/min)
	20	1000	960	765	625	
10	500	480	380	310	255	40

(Unit: mm/s)

① Encoder & Stroke List

Stroke (mm)	Standard Price			
	Encoder Type			
	Incremental		Absolute	
	Motor Output (W)		Motor Output (W)	
	100W	150W	100W	150W
50/100	-	-	-	-
150/200	-	-	-	-
250/300	-	-	-	-
350/400	-	-	-	-
450/500	-	-	-	-
550/600	-	-	-	-
650/700	-	-	-	-
750/800	-	-	-	-
850/900	-	-	-	-
950/1000	-	-	-	-

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)	-
Robot Cable	R01 (1m) ~ R03 (3m)	-
	R04 (4m) ~ R05 (5m)	-
	R06 (6m) ~ R10 (10m)	-
	R11 (11m) ~ R15 (15m)	-
	R16 (16m) ~ R20 (20m)	-

* See page A-39 for cables for maintenance.

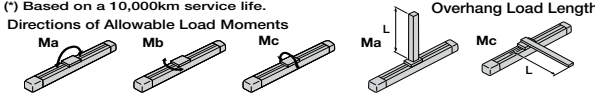
⑤ Option List

Name	Option Code	See Page	Standard Price
Brake	B	→ A-25	-
Reversed-home	NM	→ A-33	-
Intake port mounted on opposite side	VR	→ A-38	-

Actuator Specifications

Item	Description
Drive System	Ball screw ø16mm C10 grade
Positioning Repeatability	±0.02mm
Lost Motion	0.1mm or less
Base	Material: Special alloy steel
Allowable Static Moment	Ma: 198.9N·m Mb: 198.9N·m Mc: 416.7N·m
Allowable Dynamic Moment (*)	Ma: 36.3N·m Mb: 36.3N·m Mc: 77.4N·m
Overhang Load Length	Ma direction: 450mm or less Mb-Mc direction: 450mm 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)

(*) Based on a 10,000km service life.



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