Controllers Integrated

Rod Type

Mini

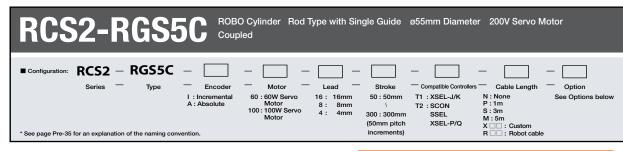
Standard

Controllers Integrated

Table/Arm
/Fiat Type

Mini

Standard



For High Acceleration/Deceleration



Actuator Specifications Lead and Load Capacity Stroke and Maximum Speed Motor Max. Load Capacity Rated Stroke $50 \sim 250\,$ Output (w Thrust (N) izontal (kg) Vertical (kg) RCS2-RGS5C-1 -60-16-2 - 3 - 4 - 5 16 63.8 12.0 1.3 16 RCS2-RGS5C- 1 -60-8- 2 - 3 - 4 - 5 60 25.0 4.3 127.5 RCS2-RGS5C-1-60-4-2-3-4-5 4 50.0 10.8 255.1 50 ~ 300 RCS2-RGS5C-10-100-16-22-33-4-5 16 15.0 105.8 RCS2-RGS5C-1-100-8-2-3-4-5 100 8 30.0 8.3 212.7 RCS2-RGS5C- 1 -100-4- 2 - 3 - 4 - 5 60.0 424.3 Legend: ① Encoder ② Stroke ③ Compatible controller ④ Cable length ⑤ Options

Encoder & Stroke List

	Standard Price					
	① Encoder					
2 Stroke (mm)	Incren	nental	Absolute			
	Motor O	utput (W)	Motor Output (W)			
	60W	100W	60W	100W		
50	-	-	-	-		
100	-	-	-	-		
150	-	-	-	-		
200	-	-	-	-		
250	-	-	-	-		
300	ı	-	-	-		

Cable List

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

800

400

200

755

377

188 (Unit: mm/s)

⑤ Option List							
Name	Option Code	See Page	Standard Price				
Connector cable exit direction	A2	→ A-25	-				
Brake	В	→ A-25	-				
Foot bracket	FT	→ A-29	-				
Guide mounting direction	GS2 ∼ GS4	→ P252	-				
High-acceleration/deceleration (*1)	HA	→ A-32	_				

^(*1) The high-acceleration/deceleration option is not available for all 60W models and 100W model

with 4mm lead.		 	
054			

Actuator Specifications						
Item Description						
Drive System	Ball screw ø12mm C10 grade					
Positioning Repeatability	±0.02mm					
Lost Motion	0.1mm or less					
Guide	Single guide (guide rod diameter ø12mm, Ball bush type)					
Rod Diameter	ø30mm					
Non-rotating accuracy of rod	±0.1 deg					
Ambient Operating Temp./Humidity	$0\sim40^{\circ}\text{C}$, 85% RH or less (non-condensing)					

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RCS2-RGS5C



^{*} See page A-39 for cables for maintenance.



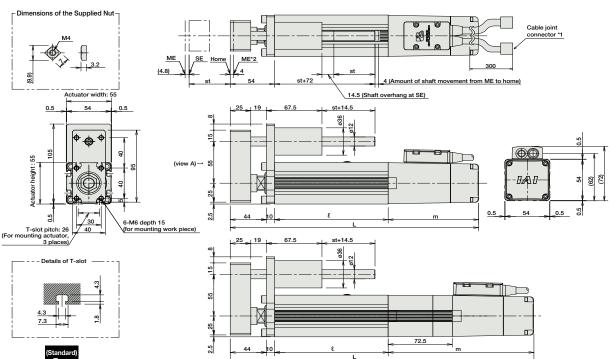


P. A-9

*The RGS5C is not available in reversed-home configuration, due to its construction

- The motor-encoder cable is connected here. See page A-39 for details on cables.

 When homing, the rod moves to the ME; therefore, please watch for any interference with the surrounding objects. ME: Mechanical end SE: Stroke end



GS3

Guide mounting direction (as viewed from view A)

■ Dimensions/Weight by Stroke

nosz-nosso (without brake)							
S	troke	50	100	150	200	250	300
٦	60W	284	334	384	434	484	534
_	100W	302	352	402	452	502	552
٤		138	188	238	288	338	388
m 60W		92					
	100W	110					
Wei	ght (kg)	2.5	2.8	3.2	3.6	3.9	4.3

RCS2-RGS5C (with brake)							
S	troke	50	100	150	200	250	300
٦	60W	356.5	406.5	456.5	506.5	556.5	606.5
_	100W	374.5	424.5	474.5	524.5	574.5	624.5
٤		138	188	238	288	338	388
m 60W		164.5					
	100W			18	2.5		
Wei	ght (kg)	2.8	3.1	3.5	3.9	4.2	4.6

3 Compatible Controllers The RCS2 series actuators can operate with the controllers below. Select the controller according to your usage. for up to 512 points Operable with the same Solenoid Valve Mode controls as the solenoid 7 points SCON-C-60①-NP-2-③ Single-Phase AC 100V → P547 SCON-C-100(1)(2)-NP-2-(3) Dedicated to serial Maximum 64 points Type communication 360VA Single-Phase AC 200V * Single-axis model Pulse Train Input Dedicated to Pulse Trai 3-Phase AC operated at 150W 200V (XSEL-P/Q only) Programmed operation SSEL-C-1-60①-NP-2-③ Program Control 1-2 is possible 20000 points → P577 Axes Type SSEL-C-1-100 1 2 - NP-2-3 Operation is possible of Programmed operatio XSEL-@-1-60①-N1-EEE-2-⑤ XSEL-@-1-100①②-N1-EEE-2-⑤ → P587 Axes Type 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" if the high-acceleration/deceleration option is specified.

- '3 is a placeholder for the power supply voltage (1: 100/, 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 (1: 100/, 2: single-phase 200V, or 3: three-phase 200V).

IAI

RCS2-RGS5C **252**

