Controllers
Integrated

Rod
Type

Mini

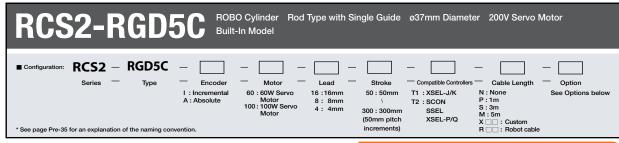
Standard

Controllers
Integrated

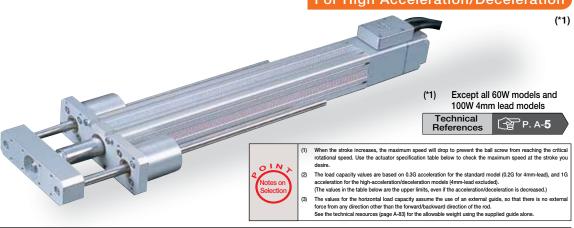
Table/Arr
//Fiat Typ

Mini

Standard



For High Acceleration/Deceleration



Actuator Specifications ■ Lead and Load Capacity Stroke and Maximum Speed Motor Max. Load Capacity Rated Stroke Stroke $50 \sim 250\,$ Output (w Thrust (N) zontal (kg) Vertical (kg) RCS2-RGD5C-1 -60-16-2 -3 -4 -5 16 800 12.0 1.3 63.8 16 RCS2-RGD5C- 1 -60-8- 2 - 3 - 4 - 5 60 25.0 4.3 127.5 400 RCS2-RGD5C-1-60-4-2-3-4-5 4 50.0 10.8 255.1 50 ~ 300 200 RCS2-RGD5C-10-100-16-2-3-4-5 16 15.0 105.8 RCS2-RGD5C-1 -100-8-2 -3 -4 -5 100 8 30.0 8.3 212.7 RCS2-RGD5C- 1 -100-4- 2 - 3 - 4 - 5 60.0 424.3 Legend: ① Encoder ② Stroke ③ Compatible controller ④ Cable length ⑤ Options

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

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

755

377

188 (Unit: mm/s)

* See page A-39 for cables for maintenance.

4 Cable List

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	-
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.

Actuator Specification	ons
Item	Description
Drive System	Ball screw ø12mm C10 grade
Positioning Repeatability	±0.02mm
Lost Motion	0.1mm or less
Guide	Double guide (guide rod diameter ø12, Ball bush type)
Rod Diameter	ø30mm
Non-rotating accuracy of rod	±0.08 deg
Ambient Operating Temp./Humidity	$0\sim$ 40°C, 85% RH or less (non-condensing)

259 RCS2-RGD5C

Encoder & Stroke List



T-slot pitch: 26 (For mounting actuator, 2 places)

130

147

[Brake-Equipped]





Controllers Integrated

Rod
Type

Mini

Standard

Controllers
Integrated

(72)

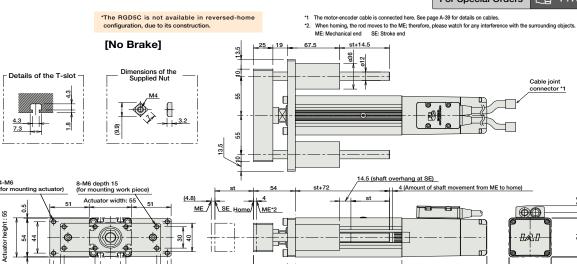
50 100 150 200 250 300 60W 356.5 406.5 456.5 506.5 556.5 606.5 100W 374.5 424.5 474.5 524.5 574.5 624.5

138 188 238 288 338 388

3.7 4.1 4.5 5.8

PMEC /AMEC PSEP /ASEP ROBO NET ERC2 PCON ACON SCON PSEL ASEL

RCS2-RGD5C **260**



■ Dimensions/Weight by Stroke

\ME*2

SE Home

	RCS2-RGD5C (Without brake)							
	S	troke	50	100	150	200	250	300
ı	L	60W	284	334	384	434	484	524
ı	_	100W	302	352	402	452	502	552
		Ł	138	188	238	288	338	388
	m	60W			9	2		
ı	100W				11	10		
	Wei	ght (kg)	2.7	3.0	3.4	3.8	4.2	5.5

RCS2-RGD5C (with brake) Weight (kg)

14.5 (shaft overhang at SE)

4 (Amount of shaft movement from ME to home)

72.5

Stroke

60W

60W

Stroke		50	100	150	200	250	300	
-	60W	284	334	384	434	484	524	
L	100W	302	352	402	452	502	552	
	Ł	138	188	238	288	338	388	
	60W	92						
m	100W	110						
Weight (kg)		2.7	3.0	3.4	3.8	4.2	5.5	

Name	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity	Standard Price	See Pag
Positioner Mode			Positioning is possible for up to 512 points	512 points	-			
Solenoid Valve Mode		SCON-C-60①-NP-2-③ SCON-C-100① ②-NP-2-④	Operable with the same controls as the solenoid valve.	7 points				→ P 54'
erial Communication Type			Dedicated to serial communication	64 points	Single-Phase AC 100V Single-Phase AC 200V	360VA max.	-	7 FU4.
Pulse Train Input Control Type			Dedicated to Pulse Train Input	(-)	Three-phase AC 200V (XSEL-P/Q only)	* When operating a 150W single-axis model		
Program Control 1-2 Axes Type		SSEL-C-1-60①-NP-2-3 SSEL-C-1-100①2-NP-2-3	Programmed operation is possible Operation is possible on up to 2 axes	20000 points			-	→ P577
Program Control 1-6 Axes Type	Pilita	XSEL-@-1-60①-N1-EEE-2-⑤ XSEL-@-1-100①②-N1-EEE-2-⑤	Programmed operation is possible Operation is possible on up to 6 axes	20000 points			-	→ P587

* 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/deceler

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

IAI

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