RCA-SRGS4R

Robo Cylinder, Rod Type with Single Guide, Actuator Width 45mm, Servo Motor, Short-Length Model, Side-Mounted Motor

Model Specification Items

RCA — SRGS4R—

20 — Encoder type — Motor type —

motor

I: Incremental

encoder is also

* The Simple absolute

considered type "I".

Lead 20: 20W Servo

5: 5mm 2.5:2.5mm

Stroke Applicable controller -20: 20mm

A1:ACON ASEL 200: 200mm A3:AMEC (10mm pitch increments)
* Set in 50mm increments
over 100mm ASEP

MSEP

Cable length N: None P: 1m

— Options See Options below.

S: 3m

M:5m X□□: Custom Length

CE RoHS

* See page Pre-47 for details on the model descriptions.



Power-saving

Technical References



(1) The load capacity is based on operation at an acceleration of 0.3G (0.2G for the 2.5mm-lead model, or when used vertically). This is the upper limit of the acceleration.

(2) The values for the horizontal load capacity reflect the use of an external guide. See the technical resources (page A-111) for the allowable weight using the supplied guide alone. (3) See page A-71 for details on push motion.

Notes on

selection

Actuator Specifications	
eads and Pavloads	

(Note A) 50mm increments over 100mm. Motor Max. Load Capacity Rated Model number output (W thrust (N Horizontal (kg) Vertical (kg) RCA-SRGS4R-I-20-5-①-②-③-④ 5 9 (Note1) 2 41 20~200 (every 10mm) RCA-SRGS4R-I-20-2.5-①-②-③-④ (Note A) 2.5 18 (Note1) 5.5 81

■ Stroke and Maximum Speed Stroke 5 250 2.5 125 (Unit: mm/s) Code explanation ① Stroke ② Applicable controller ③ Cable length ④ Options *See page A-71 for details on push motion.

①Stroke

①Stroke (mm)	Standard price
20~50	_
60~100	_
150	_
200	_

200				
④ Option	ıs			
	Name	Option code	See page	Standard price

4 Options			
Name	Option code	See page	Standard price
Brake	В	→ A-42	_
Flange bracket (back)	FLR	→ A-46	_
Foot bracket 2 (right/left side mounting)	FT2/FT4	→ A-50	_
Guide mounting direction	GS2 ~ GS4	→ A-50	_
Power-saving	LA	→ A-52	_
Non-motor end specification	NM	→ A-52	_

*The brake is available for strokes of 70mm or more.

*Please be sure that the mounting direction of the guide is specified in the product name.

*The guide and the foot bracket cannot be mounted in the same direction.

(Combination of GS2 and FT4, GS4 and FT2 can be mounted. The foot bracket cannot be mounted in the GS3 direction.)

③ Cable Length

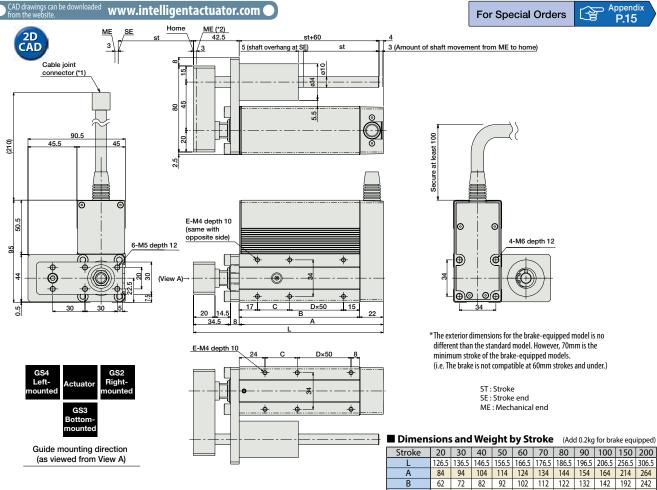
Type	Cable symbol	Standard Price
Chamaland	P (1m)	_
Standard (Robot Cables)	S (3m)	_
	M (5m)	_
	X06 (6m) ~ X10 (10m)	_
Special length	X11 (11m) ~ X15 (15m)	_
	X16 (16m) ~ X20 (20m)	_

*The cable is a motor-encoder integrated cable, and is provided as a robot cable. *See page A-59 for cables for maintenance.

	Specification

retuator specifications				
ltem	Description			
Drive System	Ball screw, ø8mm, rolled C10			
Positioning Repeatability	±0.02mm			
Lost Motion	0.1mm or less			
Rod diameter	ø22mm			
Non-rotating accuracy of rod	±0.05 deg			
Ambient operating temperature, humidity	0 to 40°C, 85% RH or less (Non-condensing)			

Dimensional Drawings



- (*1) Connect the motor-encoder integrated cable here. See page A-59 for details on cables.
- (*2) After homing, the slider moves to the ME, therefore, please watch for any interference

Trace norming, the shade moves to the me, therefore, preuse materials any interference
with surrounding objects.

Name	External view	Model number	Features	Maximum number of positioning points	Input power	Power-supply capacity	Standard price	Referen page
Calamaid Valua Tura	341	AMEC-C-20I①-①-2-1	Easy-to-use controller, even for beginners		AC100V	2.4A rated	_	→ P53
Solenoid Valve Type	1	ASEP-C-20I①-①-2-0	Simple controller operable with the same signal as a solenoid valve	3 points	256 points 512 points DC24V (—) 64 points	(Standard) 1.3A rated 4.4A max. (Power-saving) 1.3A rated 2.5A max.	_	→ P5
olenoid valve multi-axis type PIO specification	and a	MSEP-C	Positioner type based on PIO control, allowing up to 8 axes to be connected					→ P50
olenoid valve multi-axis type Network specification	iiii	MSEP-C	Field network-ready positioner type, allowing up to 8 axes to be connected	256 points			_	— → P563
Positioner type	-	ACON-C-20I①-①-2-0	Positioning is possible for up to 512	512			_	
Safety-Compliant Positioner Type		ACON-CG-20I①-⑪-2-0	points	512 points			_	
Pulse Train Input Type (Differential Line Driver)	É.	ACON-PL-20I①-①-2-0	Pulse train input type with differential line driver support				_	→ P631
Pulse Train Input Type (Open Collector)	e.	ACON-PO-20I()-(i)-2-0	Pulse train input type with open collector support	(—)			_	
Serial Communication Type	ĺ	ACON-SE-20I①-N-0-0	Dedicated Serial Communication	64 points			_	
Program Control Type		ASEL-CS-1-20I①-①-2-0	Programmed operation is possible. Can operate up to 2 axes	1,500 points			_	→ P6

30 40 50 60 70 30 40 50 60 60 60 0 0 0 0 0 1 1 1 1 2 3

4 6 6 6

Weight (kg) 1.15 1.21 1.28 1.35 1.42 1.49 1.56 1.62 1.69 2.03 2.38