Controllers
Integrated

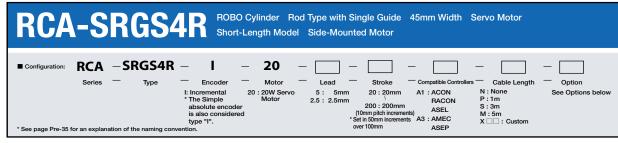
Rod
Type

Mini

Standard

Controllers
Integrated

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





Actuator Specifications ■ Lead and Load Capacity Stroke and Maximum Speed Max. Load Capacity Stroke Lead Stroke (mn Thrust (N) $20 \sim 200 \atop \text{(10mm)}$ RCA-SRGS4R-I-20-5-1-2-3-4 5 9 2 41 5 RCA-SRGS4R-I-20-2.5-①-②-③-④ 2.5 18 5.5 81 2.5 (Note 1) (Note 1) 50mm increments over 100mm. Legend ① Stroke ② Compatible controllers ③ Cable length 4 Options

| ① Stroke Lis | st |
|--------------|----------------|
| Stroke (mm) | Standard Price |
| 20~50 | - |
| 60~100 | - |
| 150 | - |
| 200 | - |

| 3 Cable Lis | t | |
|----------------------------|-----------------------|----------------|
| Туре | Cable Symbol | Standard Price |
| Standard (Robot Cables) | P (1m) | - |
| | S (3m) | - |
| | M (5m) | - |
| | X06 (6m) ~ X10 (10m) | - |
| Special Lengths | X11 (11m) ~ X15 (15m) | - |
| | X16 (16m) ~ X20 (20m) | - |

 $20 \sim 200$

250

125

(Unit: mm/s)

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

| Option List | | | |
|---|-------------|----------|----------------|
| Name | Option Code | See Page | Standard Price |
| Brake | В | → A-25 | - |
| Flange bracket (back) | FLR | → A-28 | - |
| Foot bracket 1 (base mounting) | FT | → A-29 | - |
| Foot bracket 2 (right/left side mounting) | FT2/FT4 | → A-31 | - |
| Guide mounting direction | GS2 ∼ GS4 | → A-32 | - |
| Power-saving | LA | → A-32 | - |
| Reversed-home | NM | → A-33 | - |

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

219 RCA-SRGS4R

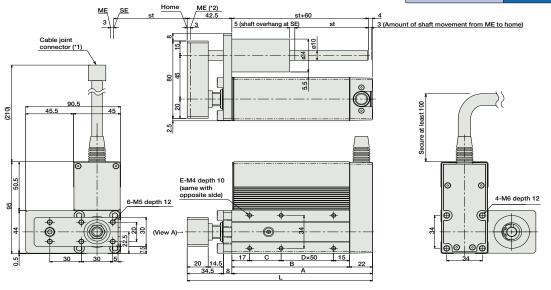
| Item | Description | | | | | |
|----------------------------------|---|--|--|--|--|--|
| Drive System | Ball screw ø8mm C10 grade | | | | | |
| Positioning Repeatability | ±0.02mm | | | | | |
| Lost Motion | 0.1mm or less | | | | | |
| Rod Diameter | ø22 mm | | | | | |
| Non-rotating accuracy of rod | ±0.05 deg | | | | | |
| Ambient Operating Temp./Humidity | 0 ~ 40°C, 85% RH or less (non-condensing) | | | | | |

 $^{^{\}star}\,\mbox{The cable}$ is a motor-encoder integrated cable, and is provided as a robot

^{*} 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.

Dimensions

For Special Order



GS3 Guide mounting direction (as viewed from View A)

E-M4 depth 10 e/Maight by Stroke (Add 0 2kg for brake equir

* The exterior dimensions for the brake-equipped model is no different than the standard model.

However, 70mm is the minimum stroke of the brake-equipped models.

(i.e. The brake is not compatible at 60mm strokes and under.)

ST : Stroke SE : Stroke end ME : Mechanical end

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

When homing, the rod moves to the mechanical end position; therefore, please watch for any (*2) interference with the surrounding objects.

| Difficultions/ | weigi | н Бу | Suok | e (Au | J 0.2kg | UI DI AKE | equipp | euj | | | |
|----------------------------------|-------|-------|-------|-------|---------|-----------|--------|-------|-------|-------|-------|
| Stroke | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 150 | 200 |
| L | 126.5 | 136.5 | 146.5 | 156.5 | 166.5 | 176.5 | 186.5 | 196.5 | 206.5 | 256.5 | 306.5 |
| Α | 84 | 94 | 104 | 114 | 124 | 134 | 144 | 154 | 164 | 214 | 264 |
| В | 62 | 72 | 82 | 92 | 102 | 112 | 122 | 132 | 142 | 192 | 242 |
| С | 30 | 40 | 50 | 60 | 70 | 30 | 40 | 50 | 60 | 60 | 60 |
| D | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 3 |
| E | 4 | 4 | 4 | 4 | 4 | 6 | 6 | 6 | 6 | 8 | 10 |
| Weight (kg) | 1.15 | 1.21 | 1.28 | 1.35 | 1.42 | 1.49 | 1.56 | 1.62 | 1.69 | 2.03 | 2.38 |

| The RCA series ac | tuators can op | erate with the controller | s below. Select the controller according to | your usage. | | | | |
|--|----------------|---------------------------|--|-------------------------|---------------|-------------------------|----------------|----------|
| Name | External View | Model | Description | Max. Positioning Points | Input Voltage | Power Supply Capacity | Standard Price | See Page |
| Solenoid Valve Type | in the | AMEC-C-20SI①-NP-2-1 | Easy-to-use controller, even for beginners | | AC100V | 2.4A rated | - | → P477 |
| Solenoid valve Type | 3 | ASEP-C-20SI①-NP-2-0 | Operable with same signal as solenoid valve. Supports both single and double solenoid types. | 3 points | DC24V | 1.7A rated 5.1A peak | - | → P487 |
| Splash-Proof Solenoid Valve Type | D | ASEP-CW-20SI①-NP-2-0 | No homing necessary with simple absolute type. | | | | - | |
| Positioner Type | E I | ACON-C-20SI①-NP-2-0 | Positioning is possible for up to 512 points | 512 points | | | - | → P535 |
| Safety-Compliant Positioner Type | | ACON-CG-20SI①-NP-2-0 | Positioning is possible for up to 512 points | | | | - | |
| Pulse Train Input Type (Differential Line Driver) | O | ACON-PL-20S①-NP-2-0 | Pulse train input type with differential line driver support | - (-) | | | - | |
| Pulse Train Input Type (Open Collector) | | ACON-PO-20SI①-NP-2-0 | Pulse train input type with open collector support | | | | - | |
| Serial Communication Type | | ACON-SE-20SI①-N-0-0 | Dedicated to serial communication | 64 points | | | - | |
| Field Network Type | | RACON-20S① | Dedicated to field network | 768 points | | | - | → P503 |
| Program Control Type | | ASEL-C-1-20SI①-NP-2-0 | Programmed operation is possible Operation is possible on up to 2 axes | 1500 points | | | - | → P567 |

IAI

RCA-SRGS4R **220**





Mini
Standard
Controllers
Integrated
Rod
Type
Mini
Standard
Controllers
Integrated

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