

Ordering Example

Controller Specifications E P.103~112

Arrow View A

Enlarged T-Slot View

Standard Specifications

Type

C1

C1

P1

(Motor Left Side Mount)

Max. Load Capacity (kg) Max. Push Force Rated Running Life Lost Motion

When placing order, select part numbers and values by proceeding through Selection Steps 1 ~ 7.

Part Number (Type, 1 Lead, 2 With or w/o Brake)

RSD206F

RSD206B

CE

CAD Data Folder Name: 07_Actuator



(🖭) Choose the "With Brake" option for use in vertical applications. (🖫2) When the pulse train type controller is selected, the I/O type selection is not required.

	Туре	Dimensions · Mass	Motor Mounting Direction: Straight Stroke (mm)						Motor Mounting Direction: R/L					
									Stroke (mm)					
			50	100	150	200	250	300	50	100	150	200	250	300
	RSD2	L1(mm)	162.5	212.5	262.5	312.5	362.5	412.5	162.5	212.5	262.5	312.5	362.5	412.5
		L(mm)	270.5	320.5	370.5	420.5	470.5	520.5	209.5	259.5	309.5	359.5	409.5	459.5
		Mass (kg) (Note 8)	1.4	1.7	1.9	2.2	2.4	2.7	1.6	1.9	2.1	2.4	2.6	2.9

The brake adds 0.2 kg to the total mass.

Power interruption circuit is not provided in this

controller in order to provide maximum flexibility for

Please be sure to provide an external power interruption

circuit and form an emergency stop circuit. For Circuit

customer specific safety scheme

examples See P.109.

A Note

Q1. The actuator does not move.

A1. When activating an actuator using Support Software or Handset Terminal, invalidate Option Parameter (No. 80). (Option Valid = 1/0 Terminal Valid, Option Invalid = 1/0 Terminal Invalid). Then turn the servo status "ON" and operate the homing procedure. After the completion of homing, start the operation by turning on "Operation".

Q2. LED light is on. Is there a controller defect?

A2. Blue: PWR (OFF: Control Power Shutoff, Blink: Servo OFF, ON: Servo ON), Red: ERR (OFF: Control Power Shutoff / No Error Alarm, Blink: Error Alarm On (External Factor), ON: Error Alarm On (Internal Factor)

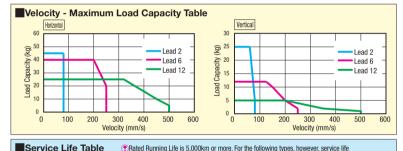
03. Teaching cannot be conducted by via I/O.

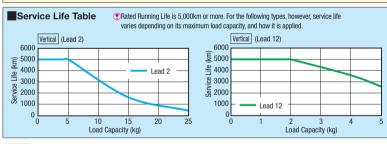
A3. To conduct teaching via I/O, the status needs to be ON for MANUAL Input and OFF for Interlock Input. Note that it does not function in the state of "Homing Incomplete"

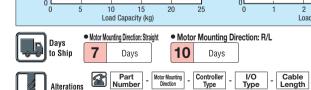
Q4. Is low-speed operation possible?

A4. Possible, however, 10 to 20% of max. velocity is the limit depending on the lead.









	Handset Terminal Standard Specification		Support Software w/ USB Communication Cable	Support Software W / D-Sub Communication Cable	I/O Cable				Actuator Mounting Foot Plate	Actuator Mounting Flange
Alterations	O	O	Communication Specifications: RS232C	Communication Specifications: RS230C	T: Controller C1 TP: Controller P1	()	KE3:Controller (C1) KE4:Controller (P1) Details Ext. P.120		0880	00000
Code	Н	D	S	R	T/TP	С	ME5/KE3/KE4	BC	HP	VP
	Manoset Jerminal Is Included. Sparifications #8# P109 - 112	Switch is included.	Communication Cable is included.	Support Software w/ D-Sub Communication Cable is included. Specifications #SF P109 , 113	I/O Cable is included. Required for NPI/PNP configurations. Specifications ■ P.109, 113		Operation Manual is included.	Change the actuator plastic parts	2 plates are included for horizontal mounting. Specifications exa P.113	1 plate is included for vertical mounting. Specifications ### P.113

Stroke

🦻 For optional items, see 壓 P.113. 🖭 It is more economical to order the optional items as alterations than purchasing them individually Tentering point data requires the handy terminal or the support software. An I/O Cable is required for Parallel Communication I/O Control.

For details on daisy-chain, see F111, 113

Please select the correct I/O cable type for the appropriate controller type.

Single Axis Robots RSD2 - Rod Type

6 I/O Module

Instruction Manual CD-ROM

0.1 or Less

8.5 (Wrench Flats)

Actuator Mounting Foot Plate (2 pcs.)

L₁ (T Slot Range

L+40 (with Brake)

56.5

1.5 (90° Equal Spacing)

Motor Left Side Mount

Straight

Φ

📆 1. The Service life in the vertical use may vary depending on the load capacity, Please refer to the "Service Life Table." 👽 2. The maximum velocities may vary depending on the load capacity, Please refer to the "Velocity - Maximum Load Capacity Table."

6 Cable Length

Accessory

Screw

Stroke (mm)

(50 Pitch)

- DE:H

Motor Side Home

(Motor Mounting Direction: L)

(Motor Mounting Direction: Straight)

(Motor Mounting Direction: I. Controller: P1

DeviceNet

Temperature, Humidity

Cover

ABS

255 points

200

Controller I/O Specifications

Instruction Manual (CD-ROM), Power Connector, Dummy Connector, 6 Mounting Nuts CC-Link Connector DeviceNet Connector

Rod

DC24V

M10x1.25

T Slot for 8-M3 4-M4x0.7 Depth 10 (90° Equal Spacing)

Included Nut

Detector

CC-Link

■Components: Actuator, Controller, Cable

NPN,PNP

Robot Material / Surface Treatment Body

Aluminum

Acrylic Paint

■General Specifications

Motor Right Side Mount

M4x0.7 Depth 5 (for Cable Mounting

Square Nut for T-slot

152 (with Brake)

- Note 1, Load can be applied only in axial direction. Please use externally mounted guides together to avoid application of radial loads on the rods.
- Note 2 Orientation of the wrench flats is not fixed in relation to the base surface.

Actuator Mounting Flange

(Please specify as alterations

- Note 3. In order to ensure running straightness, use externally mounted linear guides. Note 4. Reversed Motor Side Home cannot be set in case of Lead 2mm specifications.
- Note 5. The cable should be fastened without excessive strains.
- Note 6. The M4 hex-socket head screw can be utilized to fasten the cable (effective screw depth
- Note 7. The minimum bending radius of the cable is 30mm.
- Note 8. The brake adds 0.2 kg to the masses.
- Note 9. Indicates the distance to the mechanical stopper.