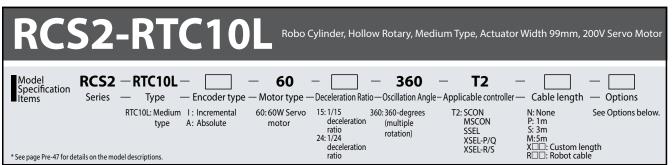
* See page Pre-47 for details on the model descriptions



ratio

 ϵ RoHS *CE compliance is optional.



Technical References

(2) Positioning mode can move between 0 to 9,999.99 deg (0 to 7,670.99 deg with reduction ratio of 1/24). Index rotation mode can move from 0 to 359.99 deg. (Once the actuator moves beyond 359.99 deg, it resets to 0 without having to

(3) Actuator may vibrate as it moves if the speed is lower than 100 deg/s. Please drive the unit at or above 100mm/s.

rotate back to home.)

Actuator Specifications

■ Leads and Payload

| Model number | Motor Output (W) | Deceleration Ratio | Max. Torque (N·m) | Allowable Movement of Inertia (kg · m²) | Oscillation Angle (deg) | |
|--------------------------------|---------------------|-----------------------|----------------------|--|----------------------------|--|
| RCS2-RTC10L-①-60-15-360-T2-②-③ | 60 | 1/15 | 1.7 | 0.033 | 360 | |
| RCS2-RTC10L-①-60-24-360-T2-②-③ | 00 | 1/24 | 2.8 | 0.054 | (*) | |

* Refer to "POINT Notes on Selection" above.

■ Deceleration Ratio and Max. Speed

| | • |
|----------------------------|--------------|
| Stroke Deceleration ratio | 360 (deg) |
| 1/15 | 1200 |
| 1/24 | 750 |

(Unit: degrees/s)

①Encoder Type

③ Options

Brake

| | Standard price | | | |
|--|----------------|---------------|---|--|
| | Туре | ①Encoder Type | | |
| | Incremental | Absolute | | |
| | RTC10L | _ | _ | |

Option code

В

CE

NM

See page

→ A-42

→ A-42

→ A-51

→ A-52

Standard price

②Cable Length

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

^{*} See page A-59 for cables for maintenance.

Actuator Specifications

| · · | |
|---|--|
| ltem | Description |
| Drive System | Timing belt drive system + hypoid gear |
| Positioning repeatability | ±0.005 degrees |
| Backlash | ±0.05 degrees or less |
| Allowable thrust load | 600N |
| Allowable load moment | 10 N·m |
| Brake retention torque | 0.45 N·m |
| Weight | 3.5kg |
| Ambient operating temperature, humidity | 0 to 40°C, 85% RH or less (Non-condensing) |

Name

CE-compliant specification

Limit switch (standard)

Reversed-rotation

Dimensional Drawings

(

1 0.03

// 0.05 A *2

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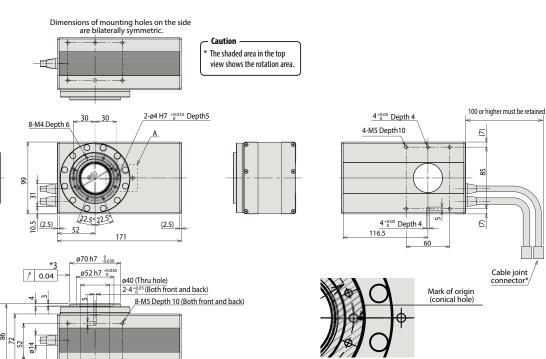
For Special Orders







Connect the motor and encoder cables here. (See page A-59 for details on cables.)



Note:

*1 Table surface circular runout

*2 Table parallelism *3 Table outer diameter runout

The position in the detail A drawing above is the homing location for both standard type/ reversed rotation type (Option "-NM"). Looking from the above, the standard type will rotate counter clockwise during homing, and it moves clockwise afterward. Reverse rotation type will move clockwise during homing and moves counter clockwise afterward.

Details of section A

Applicable Controllers

À

14.5

2-4 +0.05 Depth 4 (Both front and back)

116.5

75

| Name | External view | Model number | Features | Maximum number of positioning points | Input power | Power supply capacity | Standard price | Reference page |
|---|------------------|---------------------------------|---|--|--|-----------------------------|-------------------|-------------------|
| Positioner mode | | | Up to 512 positioning points are supported. | 512 points | Single-phase 100VAC *P Single-phase 200VAC COUNTY FOR THE PHONE PH | *Power supply capacity will | | |
| Solenoid valve mode | | SCON-CA-60①-NP-2-① | Actuators can be operated through the same control used for solenoid valves. | 7 points | | | _ | → P643 |
| Field network type | | | Movement by numerical specification is supported. | 768 points | | | _ | - → P643 |
| Pulse-train input control type | | | Dedicated pulse-train input type | (—) | | | _ | |
| Positioner multi-axis, network type | 田林 | MSCON-C-1-60①-②-0-⑪ | Up to 6 axes can be operated. Movement by numerical specification is supported. | 256 points | | | _ | → P655 |
| Program control type, 1 to 2 axes | | SSEL-CS-1-60①-NP-2-⑪ | Program operation is supported. Up to 2 axes can be operated. | 20,000 points | | | _ | → P685 |
| Program control type, 1 to 8 axes | Pilita | XSEL-(II)-1-60(I)-N1-EEE-2-(IV) | Program operation is supported. Up to 8 axes can be operated. | Varies depending on the number of axes connected | | | _ | → P695 |

* This is for the single-axis MSCON, SSEL, and XSEL.

* (f) indicates the power-supply voltage type (1: 100 V / 2: Single-phase 200 V).

* (f) indicates the XSEL type (J/K/P/Q/R/S).

* (f) indicates the power-supply voltage type (1: 100 V / 2: Single-phase 200 V).

* (f) indicates the XSEL type (J/K/P/Q/R/S).

- * ① indicates the encoder type (I: Incremental / A: Absolute).