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CAD drawings can be downloaded from the website.

www.intelligentactuator.com



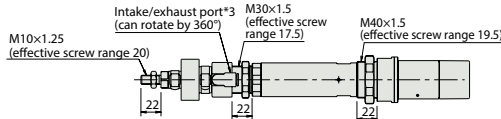
(Note) No 3D CAD data for RA4D type.

For Special Orders

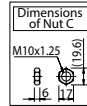
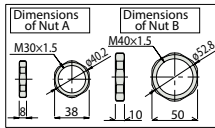
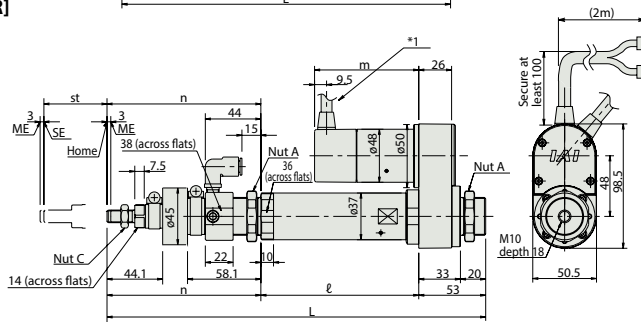


- (\*1) Connect the motor and encoder cables here. See page A-59 for details on cables.
- (\*2) After homing, the slider moves to the ME, therefore, please watch for any interference with surrounding objects.  
ME: Mechanical end SE: Stroke end
- (\*3) Intake/exhaust port is the air exhaust tube in the main body. Insert  $\phi 10$  mm tube and use it extended to a place that is not prone to water spills or intake.

[RA4C/RA4D]



[RA4R]



Note:  
Please don't apply an external force coming from a direction other than that of the rod's direction of travel. The detent may break if a force is applied other than in the direction of travel or a torque is applied to the rod.

■ Dimensions and Weight by Stroke

RCS2W-RA4C/RA4D/RA4R (without brake)

Stroke	Model	20W	50	100	150	200	250	300
			30W	358.4	418.4	478.4	538.4	599.4
L	RA4C	20W	373.4	433.4	493.4	553.4	614.4	675.4
		30W	336.4	396.4	456.4	515.9	577.4	638.4
	RA4D	20W	351.4	411.4	471.4	516.4	592.4	653.4
l	RA4C	20W	299.9	359.9	419.9	479.9	540.9	601.9
		30W	299.9	359.9	419.9	479.9	540.9	601.9
	RA4D	20W	137	187	237	287	337	387
m	RA4C	20W	80.5	95.5	80.5	80.5	80.5	80.5
		30W	80.5	80.5	80.5	80.5	80.5	80.5
	RA4D	20W	121.9	131.9	141.9	151.9	162.9	173.9
n	RA4C	20W	121.9	131.9	141.9	151.9	162.9	173.9
		30W	121.9	131.9	141.9	151.9	162.9	173.9
	RA4D	20W	121.9	131.9	141.9	151.9	162.9	173.9
Weight (Kg)	RA4C	20W/30W	1.4	1.5	1.7	1.8	2.0	2.1
		RA4D	20W/30W	1.3	1.5	1.6	1.8	1.9
	RA4R	20W/30W	1.5	1.7	1.8	2.0	2.1	2.3

RCS2W-RA4C/RA4D/RA4R (with brake)

Stroke	Model	20W	50	100	150	200	250	300
			30W	401.4	461.4	521.4	581.4	642.4
L	RA4C	20W	416.4	476.4	536.4	596.4	657.4	718.4
		30W	No brake-equipped model					
	RA4R	20W	299.9	359.9	419.9	479.9	540.9	601.9
l	RA4C	20W	137	187	237	287	337	387
		30W	137	187	237	287	337	387
	RA4D	20W	No brake-equipped model					
m	RA4C	20W	125	175	225	275	325	375
		30W	125	175	225	275	325	375
	RA4R	20W	No brake-equipped model					
n	RA4C	20W	121.9	131.9	141.9	151.9	162.9	173.9
		30W	121.9	131.9	141.9	151.9	162.9	173.9
	RA4D	20W	No brake-equipped model					
Weight (Kg)	RA4C	20W/30W	1.6	1.7	1.9	2.0	2.2	2.3
		RA4R	20W/30W	1.7	1.9	2.0	2.2	2.3

④ Applicable Controllers

RCS2W-series actuators can be operated with the following controllers. Select an appropriate controller type according to your application.

Name	External view	Model number	Features	Maximum number of positioning points	Input power	Power supply capacity	Standard price	Reference page
Positioner mode		SCON-CA-20①-NP-2-②③ SCON-CA-30D①-NP-2-②③	Up to 512 positioning points are supported.	512 points	Single-phase 100VAC	126 VA max. * Power supply capacity will vary depending on the controller, so please refer to the instruction manual for details.	—	→ P643
Solenoid valve mode			Actuators can be operated through the same control used for solenoid valves.	7 points				
Field network type			Movement by numerical specification is supported.	768 points				
Pulse-train input control type			Dedicated pulse-train input type	(—)	Single-phase 200VAC			
Positioner multi-axis, network type		MSCON-C-1-20①-④-0-②③ MSCON-C-1-30D①-④-0-②③	Up to 6 axes can be operated. Movement by numerical specification is supported.	256 points	3-phase 200VAC (XSEL-P/Q/R/S ONLY)			→ P655
Program control type, 1 to 2 axes		SSEL-CS-1-20①-NP-2-②③ SSEL-CS-1-30D①-NP-2-②③	Program operation is supported. Up to 2 axes can be operated.	20,000 points				→ P685
Program control type, 1 to 8 axes		XSEL④-1-20①-N1-EEE-2-④⑤ XSEL④-1-30D①-N1-EEE-2-④⑤	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.

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

\* ② indicates the power-supply voltage type (1: 100V / 2: Single-phase 200V / 3: Three-phase 200V).

\* ④ indicates the encoder type (I: Incremental / A: Absolute).

\* ⑤ indicates the XSEL type (J / K / P / Q / R / S).

\* ④ indicates field network specification symbol.