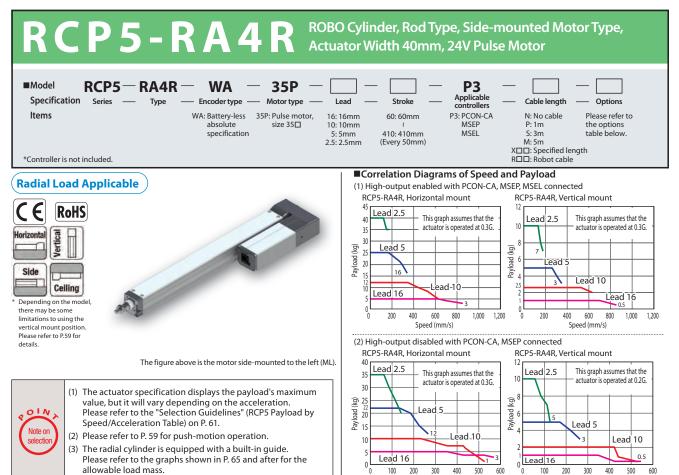
RCP5 ROBO Cylinder



Actuator Specifications

Lead and Payload						
Model number	Lead (mm)	Connected controller	Maximun Horizontal (kg)	n payload Vertical (kg)	Maximum push force (N)	Stroke (mm)
		High-output enabled				
RCP5-RA4R-WA-35P-16-①-P3-②-③	16	High-output disabled	5	1	48	60~410 (Every 50mm)
RCP5-RA4R-WA-35P-10-①-P3-②-③	10	High-output enabled	12	2.5	77	
KCP5-KA4K-WA-35P-10-U-P3-2-3		High-output disabled	10	2		
RCP5-RA4R-WA-35P-5-①-P3-②-③	5	High-output enabled	25	- 5	155	
		High-output disabled	22			
RCP5-RA4R-WA-35P-2.5-①-P3-②-③	2.5	High-output enabled	40	10	310	
		High-output disabled	35			

Stroke and Maximum Speed (Unit: mm/s) 60~360 (Every 50mm 410 (mm) Lead Connected controller High-output enabled 840 16 High-output disabled 560 High-output enabled 610 10 High-output disabled 525 High-output enabled 350 340 5 High-output disabled 260 High-output enabled 175 170 2.5 High-output disabled 130

Sneed (mm/s)

Legend: ① Stroke ② Cable length ③ Options *Please refer to P. 59 for push-motion operation.

① Stroke			
Stroke (mm)	Standard price	Stroke (mm)	Standard price
60	-	260	-
110	-	310	-
160	-	360	-
210	-	410	-

③ Options			
Name	Option code	Reference page	Standard price
Brake	В	→P.11	-
Cable exit direction (Top)	CJT	→P. 11	-
Cable exit direction (Outside)	CJO	→P.11	-
Cable exit direction (Bottom)	CJB	→P. 11	-
Flange	FL	→P. 12	-
Tip adapter (Flange)	FFA	→P. 12	-
Tip adapter (Internal thread)	NFA	→P. 13	-
Tip adapter (Keyway)	KFA	→P. 13	-
Motor side-mounted to the left (Standard)	ML	→P.11	-
Motor side-mounted to the right	MR	→P.11	-
Non-motor end specification	NM	→P.11	-

Depending on the stroke, some rod attachment options are not available. Also, when selecting the shorter strokes, please be careful of nearby objects. Some interference may occur. Please refer to P. 14.

2 Cable Len	② Cable Length		
Туре	Cable code	Standard price	
	P (1m)	-	
Standard type	S (3m)	-	
	M (5m)	-	
	X06 (6m) ~X10 (10m)	-	
Special length	X11 (11m)~X15 (15m)	-	
	X16 (16m)~X20 (20m)	-	
	R01 (1m) ~R03 (3m)	-	
Robot cable	R04 (4m) ~R05 (5m)	-	
	R06 (6m) ~R10 (10m)	-	
	R11 (11m)~R15 (15m)	-	
	R16 (16m)~R20 (20m)	-	

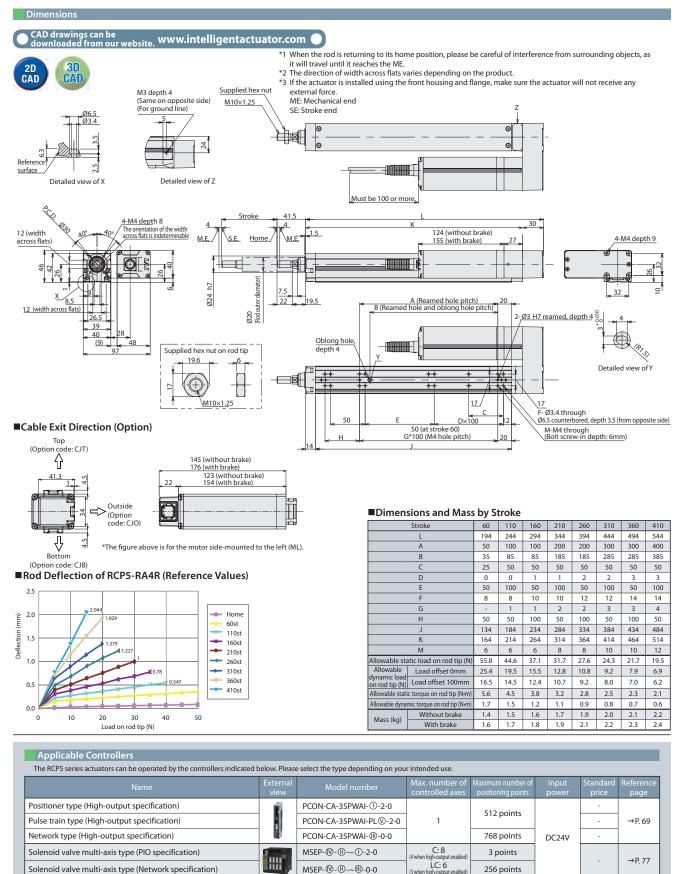
*Please refer to P. 89 for maintenance cables.

Speed (mm/s)

Actuator Specifications		
ltem	Description	
Drive system	Ball screw Ø8mm, rolled C10	
Positioning repeatability	±0.02mm	
Lost motion	0.1mm or less	
Rod	Ø20mm Aluminum	
Rod non-rotation precision (*1)	0 deg.	
Allowable load and torque on rod tip	Refer to table in the page on the right, refer to P. 65	
Rod tip overhang distance	100mm or less	
Ambient operating temperature, humidity	0 to 40°C, 85% RH or less (Non-condensing)	
(*1) Pod's angular displacement in rotational direction with no applied load is shown		

(*1) Rod's angular displacement in rotational direction with no applied load is shown.





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* N (NPN specification) or P (PNP specification) code

4

MSEL-PC-1-35PWAI-①-2-4 MSEL-PC-1-35PWAI-@-0-4

MSEL-PG-1-35PWAI-①-2-4

MSEL-PG-1-35PWAI--0-4

ΙΑΙ

* Number of axes

*① I/O type (NP/PN)

∗Ŵ C or LC

*The high output enabled operation is only available when the "High-output setting specs" is selected in the MSEP-C/LC

Program control multi-axis type

*III Field network specification code

Program control multi-axis type (w/network board)

*Above MSEL models are for single-axis specification

Program control multi-axis type (Safety category compliant spec.)

Program control multi-axis type (Safety category compliant spec. w/network board)

→P 87

Single-phase

AC

100V~230V

30.000 points