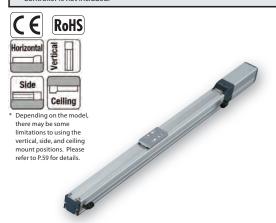
P5CR-SA4

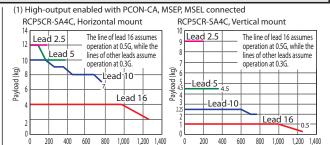
Cleanroom Type, ROBO Cylinder, Slider Type, Motor Unit Coupled, Actuator Width 40mm, 24V Pulse Motor

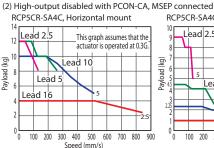
■Model RCP5CR— SA4C — WA **P3** Applicable Specification Туре - Encoder type Motor type Cable length Options controllers Items WA: Battery-less 35P: Pulse motor, P3: PCON-CA N: No cable 16: 16mm 50: 50mm Please refer to P: 1m S: 3m absolute size 35□ 10: 10mm MSFP the options MSEL specification 500: 500mm table below. 5:5mm 2.5: 2.5mm (Every 50mm) M: 5m X□□: Specified length *Controller is not included. R□□: Robot cable

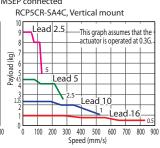




- The actuator specification displays the payload's maximum value, but it will vary depending on the acceleration. Please refer to the "Selection Guidelines" (RCP5 Payload by Speed/Acceleration Table) on P. 61.
- (2) Please refer to P. 59 for push-motion operation.







(Unit: mm/s)

Actuator Specification:

■Lead and Payload

Model number	Lead	Connected controller		Maximum payload	
	(mm)	mm) controller Horizontal (kg) Vertical (kg)		Vertical (kg)	(mm)
RCP5CR-SA4C-WA-35P-16-①-P3-②-③		High-output enabled	4	1	
ncrocn-3A4C-WA-33F-10-W-P3-W-	16	High-output disabled	4	'	
RCP5CR-SA4C-WA-35P-10-①-P3-②-③	10	High-output enabled	10	2.25	50~500 (Every 50mm)
ncrocn-3A4C-WA-33F-10-[0]-P3-[2]-[3]	10	High-output disabled	10	2.23	
RCP5CR-SA4C-WA-35P-5-①-P3-②-③	5	High-output enabled	12		
RCP3CR-3A4C-WA-33P-3-[1]-P3-[2]-[3])	High-output disabled	12	4.5	
RCP5CR-SA4C-WA-35P-2.5-①-P3-②-③	2.5	High-output enabled	12	9	
RCP3CR-3A4C-WA-33P-2.3-[1]-P3-[2]-[3]	2.5	High-output disabled	12	9	

500

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

Lead (mm)	Connected controller	50~400 (Every 50mm)	450 (mm)	500 (mm)	Suction amount (Nl/min)	
16	High-output enabled	1,260	1,060	875	60	
10	High-output disabled		840		30	
10	High-output enabled		675	555	40	
10	High-output disabled	525		40		
5	High-output enabled 390 330 275		20			
)	High-output disabled		260		20	
2.5	High-output enabled	195	165	135	10	
2.5	High-output disabled		130		10	

■Stroke, Max. Speed and Suction Amount

1) Stroke			
Stroke (mm)	Standard price	Stroke (mm)	Standard price
50	-	300	=
100	-	350	-
150	-	400	-
200	-	450	-

Type	Cable code	Standard price
Standard type M Special length X	P (1m)	-
Standard type	S (3m)	-
	M (5m)	-
	X06 (6m) ~X10 (10m)	-
Special length	X11 (11m)~X15 (15m)	-
	X16 (16m)~X20 (20m)	_

S R01 (1m) ~R03 (3m) R04 (4m) ~R05 (5m) R06 (6m) ~R10 (10m) Robot cable R11 (11m)~R15 (15m) R16 (16m)~R20 (20m)

*Please refer to P. 89 for maintenance cables.

② Cable Length

③ Options

250

Name	Option code	Reference page	Standard price
Brake	В	→P. 11	-
Cable exit direction (Top)	CJT	→P. 11	-
Cable exit direction (Right)	CJR	→P. 11	-
Cable exit direction (Left)	CJL	→P. 11	-
Cable exit direction (Bottom)	CJB	→P. 11	-
Non-motor end specification	NM	→P. 11	-
Vacuum joint on opposite side	VR	→P. 11	-

ltem	Description
Drive system	Ball screw Ø8mm, rolled C10
Positioning repeatability	±0.02mm
Lost motion	0.1mm or less
Base	Material: Aluminum with white alumite treatment
Dynamic allowable moment (*1)	Ma: 4.98N•m, Mb: 7.11N•m, Mc: 9.68N•m
Static allowable moment	Ma: 8.6N•m, Mb: 12.2N•m, Mc: 16.7N•m
Cleanliness	Class 10 (0.1µm)
Ambient operating temperature, humidity	0 to 40°C, 85% RH or less (Non-condensing)

•Reference for overhang load length/Ma: 120mm or less, Mb, Mc: 120mm or less

^(*1) Assumes a standard rated life of 5,000km.

The operational life will vary depending on operation and installation conditions. Please refer to the general catalog for details on operational life, allowable moment direction, and overhang load

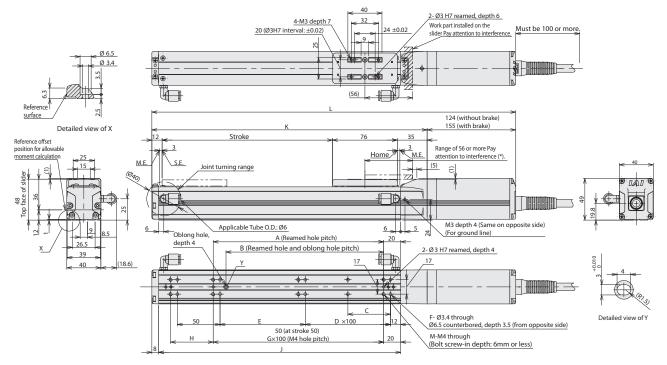
Dimensions

CAD drawings can be downloaded from our website. www.intelligentactuator.com

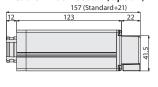


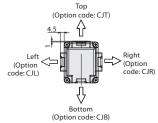


- *1 When the slider is returning to its home position, please be careful of interference from surrounding objects, as it will travel until it reaches the ME. ME: Mechanical end
 - SE: Stroke end
- *2 There is no pipe joint for RCP5-SA4C Slider Roller Type (SR).



■Cable Exit Direction (Option)





■Dimensions and Mass by Stroke

	Stroke	50	100	150	200	250	300	350	400	450	500
	Without brake	297	347	397	447	497	547	597	647	697	747
-	With brake	328	378	428	478	528	578	628	678	728	778
	A	50	100	100	200	200	300	300	400	400	500
	В	35	85	85	185	185	285	285	385	385	485
	С	25	50	50	50	50	50	50	50	50	50
	D	0	0	1	1	2	2	3	3	4	4
	E	50	100	50	100	50	100	50	100	50	100
	F	8	8	10	10	12	12	14	14	16	16
	G	0	1	1	2	2	3	3	4	4	5
	Н	50	50	100	50	100	50	100	50	100	50
	J	134	184	234	284	334	384	434	484	534	584
	K	173	223	273	323	373	423	473	523	573	623
	M	6	6	6	8	8	10	10	12	12	14
Mass	Without brake	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.7	1.8
(kg)	With brake	1.2	1.3	1.4	1.5	1.5	1.6	1.7	1.8	1.9	2.0

Applicable Controllers

The RCP5CR series actuators can be operated by the controllers indicated below. Please select the type depending on your intended use

Name	External view	Model number	Max. number of controlled axes	Maximum number of positioning points	Input power	Standard price	Reference page
Positioner type (High-output specification)		PCON-CA-35PWAI-①-2-0		512 points		-	
Pulse train type (High-output specification)		PCON-CA-35PWAI-PLѾ-2-0	1	512 points		-	→P. 69
Network type (High-output specification)		PCON-CA-35PWAI0-0		768 points	DC24V	-	
Solenoid valve multi-axis type (PIO specification)	W. 70	MSEP	C: 8 (4 when high-output enabled) LC: 6 (3 when high-output enabled)	3 points		-	→P. 77
Solenoid valve multi-axis type (Network specification)		MSEP		256 points			
Program control multi-axis type		MSEL-PC-1-35PWAI-①-2-4					
Program control multi-axis type (w/network board)		MSEL-PC-1-35PWAI-W-0-4	4	30,000 points	Single-phase AC 100V~230V	-	→P. 87
Program control multi-axis type (Safety category compliant spec.)	n i	MSEL-PG-1-35PWAI-①-2-4					
Program control multi-axis type (Safety category compliant spec. w/network board)	1/2	MSEL-PG-1-35PWAI0-4					

*Above MSEL models are for single-axis specification *(II) Field network specification code

*(I) I/O type (NP/PN) *® C or LC

*① Number of axes

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

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