RCP2 ROBO Cylinder



Actuator Specifications									
Lead and Payload		(Note 1) Please note that the maximum load capacity decreases as the speed increases.					Stroke and Maximum Speed		
Model number		Motor Mounting Direction	Lead (mm)	Max. Load Capacity (Note 1) Horizontal (kg) Vertical (kg)		Stroke (mm)	Stroke Lead	500~1000 (every 50mm)	
RCP2-BA6	-I-42P-54-①-②-③-④	Тор		A Not Allowed	500~1000	54	1000		
RCP2-BA6	U-I-42P-54-①-②-③-④	Bottom	Bottom		Not Allowed	(every 50mm)	equivalent	1000	
Code explanation Ostroke @Applicable Controller @Cable Jeneth @Options #Conserve And Explanation (Unit.mm									

Code explanation ① Stroke ② Applicable Controller ③ Cable length ④ Options \*See page A-71 for details on push motion.

Option code See page Standard price

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<ol> <li>Stroke</li> </ol>	
①Stroke (mm)	Standard price
500	_
550	—
600	_
650	_
700	—
750	_
800	_
850	—
900	_
950	_
1000	

NM

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

\* See page A-59 for cables for maintenance.

## Actuator Specifications

ltem	Description				
Drive System	Timing Belt				
Positioning repeatability	±0.1mm				
Lost Motion	0.1mm or less				
Dynamic allowable moment (*)	Ma: 8.9 N·m, Mb: 12.7 N·m, Mc: 18.6 N·m				
Allowable overhang	150mm or less in Ma, Mb and Mc directions				
Ambient operating temperature, humidity	0 to 40°C, 85% RH or less (Non-condensing)				

(\*) Based on 5,000km of traveling life

Directions of Allowable Load Momen Ma Mb



Name

Non-motor end specification

**④Options** 



Applicable controllers								
RCP2 series actuators can be operated with the controllers indicated below. Select the type according to your intended application.								
Name	External view	Model number	Features	Maximum number of positioning points	Input power	Power-supply capacity	Standard price	Reference page
Selencid Value Turne		PMEC-C-42PI-①-2-①	Easy-to-use controller, even for beginners		AC100V AC200V	Refer to P541	_	→ P537
Solenoid valve Type		PSEP-C-42PI-①-2-0	Simple controller operable with the same signal as a solenoid valve	3 points		Refer to P555	_	→ P547
Solenoid valve multi-axis type PIO specification	line	MSEP-C	Positioner type based on PIO control, allowing up to 8 axes to be connected			Refer to P572	_	→ P563
Solenoid valve multi-axis type Network specification	tiii -	MSEP-C	Field network-ready positioner type, allowing up to 8 axes to be connected	256 points	DC24V			
Positioner type High-output specification		PCON-CA-42PI-①-2-0	Equipped with a high-output driver Positioner type based on PIO control	512 points		Refer to P618	_	→ P607
Pulse-train type High-output specification		PCON-CA-42PI-PL□-2-0	Equipped with a high-output driver Pulse-train input type	(—)			_	
Field network type High-output specification		PCON-CA-42PI-10-0-0	Equipped with a high-output driver Supporting 7 major field networks	768 points			_	
Pulse Train Input Type (Differential Line Driver)		PCON-PL-42PI-①-2-0	Pulse train input type with differential line driver support	- () 64 points		Refer to P628	_	→ P623
Pulse Train Input Type (Open Collector)		PCON-PO-42PI-①-2-0	Pulse train input type with open collector support				_	
Serial Communication Type		PCON-SE-42PI-N-0-0	Dedicated Serial Communication				_	
Program Control Type	Program Control Type PSEL-CS-1-42PI-①-2-0 Programmed operation is possible Can operate up to 2 axes		Programmed operation is possible. Can operate up to 2 axes	1,500 points		Refer to P671	_	→ P665

\* This is for the single-axis PSEL. \* ① indicates I/O type (NP/PN). \* ① indicates power supply voltage (1: 100V / 2: 100~240V). \* ① indicates number of axes (1 to 8). \* ② indicates field network specification symbol. \* □ indicates N (NPN specification) or P (PNP specification) symbol.



Pulse Motor

Servo Motor

Linea Servo Moto