





Mini
Standard
ontrollers
integrated
Rod
Type
Mini
Standard
Controllers
Integrated

PMEC /AMEC PSEP /ASEP ROBO NET PCON ACON SCON PSEL SSEL

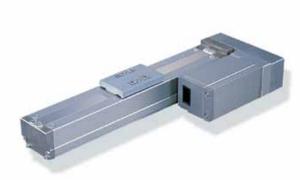
Sold & Serviced By:

RCP3-SA4R

4 Option List

Reversed-home

## ROBO Cylinder Slider Type 40mm Width Pulse Motor Side-Mounted Motor SA4R 35P ■ Configuration: RCP3 Compatible Con Туре Motor Option \* The Simple absolute encoder models are labeled as "I". N : None P : 1m S : 3m M : 5m X □ : Custom Length 35P: Pulse moto See Options below \* Be sure to specify 10:10mm 50: 50mm P1: PCON RPCON 35 ☐ size 5:5mm 2.5 : 2.5mm 500: 500mm PSEL which side the moto is to be mounted (50mm pitch P3: PMEC (ML/MR). \* See page Pre-35 for explanation of each code that make

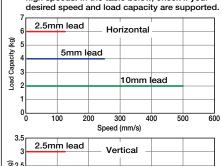


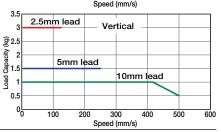
Technical References

(1) Since the RCP3 series use a pulse motor, the load capacity decreases at high speeds. Check in the Speed vs. Load Capacity graph to see if your desired speed and load capacity are supported. (2) The load capacity is based on operation at an acceleration of 0.3G (0.2G for the 2.5mm-lead model, or when used vertically).

These values are the upper limits for the acceleration.

■ Speed vs. Load Capacity Due to the characteristics of the pulse motor, the RCP3 series' load capacity decreases at high speeds. In the table below, check if your





## Actuator Specifications

■ Lead and Load Capacity Max. Load Capacity Maximum Lead (mm) rizontal (kg) Vertical (kg) Push Force (mm) RCP3-SA4R-I-35P-10-10-20-30-4 10 2 50~500 RCP3-SA4R-I-35P-5-1 - 2 - 3 - 4 5 4 1.5 68 (50mm RCP3-SA4R-I-35P-2.5-1 -2 -3 -4 3 136

		Stroke an	d Maximum Speed
		Stroke Lead	$50 \sim 500$ (50mm increments)
		10	500
	5	250	
)		2.5	125
			(Unit: mm/s)

## ① Stroke List

0: I ( )	Standard Price			
Stroke (mm)   With cover (standard)   No	No cover (Option)			
50	_	-		
100	-	-		
150	_	_		
200	_	_		
250	_	_		
300	-	_		
350	-	-		
400	_	-		
450	_	-		
500	_	-		

Legend ① Stroke ② Compatible controller ③ Cable length ④ Options

## 3 Cable List

Туре	Cable Symbol	Standard Price
Standard	P (1m)	-
	<b>S</b> (3m)	-
(Robot Cables)	M (5m)	-
Special Lengths	X06 (6m) ~ X10 (10m)	-
		-
	X16 (16m) ~ X20 (20m)	-

- \* The standard cable is the motor-encoder integrated robot
- \* See page A-39 for cables for maintenance.

Name	Option Code	See Page	Standard Price
Brake-Equipped	В	→ A-25	_
Cable Exit Direction (Top)	CJT	→ A-25	_
Cable Exit Direction (Outside)	CJO	→ A-25	_
Cable Exit Direction (Bottom)	CJB	→ A-25	_
Left-Mounted Motor (Standard)	ML	→ A-33	_
Right-Mounted Motor	MR	→ A-33	_
No Cover	NCO	→ A-33	_

→ A-33

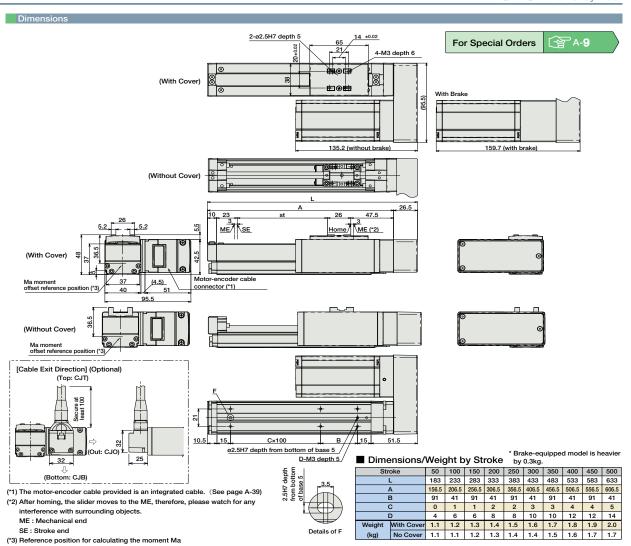
Actuator Specifications Item Description Ball screw Ø8mm C10 grade Drive System ±0.02mm Positioning Repeatability Lost Motion 0.1mm or less Material: Aluminum (special alumite treated)
Ma: 6.8N·m Mb: 9.7N·m Mc: 13.3N·m Allowable Static Load Moment Allowable Dynamic Load Moment Ma: 3.04N·m Mb: 4.31N·m Mc: 5.00N·m Overhang Load Length 120mm or less Ambient Operating Temp./Humidity 0~40°C, 85% RH or less (non-condensing)







5,000 km service life



2 (	Compat	ible C	ontrolle	rs
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Name	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity	Standard Price	See Pag
Solenoid Valve Type	100	PMEC-C-35PI-NP-2-①	Easy-to-use controller, even for beginners		AC100V AC200V	See P481	-	→ P47
		PSEP-C-35PI-NP-2-0	Operable with same signal as solenoid valve.	3 points	DC24V	2A Max.	_	→ P487
Splash-Proof Solenoid Valve Type	1	PSEP-CW-35PI-NP-2-0	Supports both single and double solenoid types. No homing necessary with simple absolute type.				_	
Positioner Type	E	PCON-C-35PI-NP-2-0	Positioning is possible for up to 512 points	512 points			-	→ P525
Safety-Compliant Positioner Type		PCON-CG-35PI-NP-2-0	Positioning is possible for up to 312 points				-	
Pulse Train Input Type (Differential Line Driver)		PCON-PL-35PI-NP-2-0	Pulse train input type with differential line driver support	(-)			_	
Pulse Train Input Type (Open Collector)		PCON-PO-35PI-NP-2-0	Pulse train input type with open collector support				-	
Serial Communication Type		PCON-SE-35PI-N-0-0	Dedicated to serial communication	64 points			-	
Field Network Type		RPCON-35P	Dedicated to field network	768 points			_	→ P50
Program Control Type		PSEL-C-1-35PI-NP-2-0	Programmed operation is possible Can operate up to 2 axes	1500 points			-	→ P58

IAI

RCP3-SA4R **22** 



Mini
Standard
Controllers integrated
Rod
Type
Mini
Standard
Controllers integrated
Controllers Integrated
Table/Arm
(Flat Type

PMEC AMEC PSEP ASEP ASEP ASEL SSEL