



■ Configu



































ROBO Cylinder Slider Type 32mm Width Pulse Motor Side-Mounted Motor

uration:	RCP3	_	SA3R	_	1	_	28P	_		_		-	_		_	
	Series	_	Type	_	Encoder	_	Motor	_	Lead	_	Stroke	 Compatible Controller 	s —	Cable Length	_	Option
je Pre-35	for explanatio	on of ea	ach code that mal	* Th al m la	ncremental ne Simple osolute encodo odels are beled as "I". the configurati	der	P: Pulse moto 28 ☐ size ne.	r	6 : 4mm 4 : 4mm 2 : 2mm		50: 50mm 300: 300mm (50mm pitch increments)		F S	N : None P : 1m S : 3m M : 5m (□□ : Custom Lenç	*1	ee Options below Be sure to specify which side the motor is to be mounted (ML/MR).



Technical References



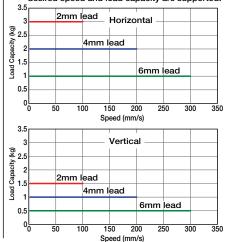
(1) Since the RCP3 series use a pulse motor, the load capacity decreases at high speeds. Check in the Speed vs. Load Capacity graph to see if your desired speed and load capacity are supported.

(2) The load capacity is based on operation at an acceleration of 0.3G (0.2G for the 2mm-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 desired speed and load capacity are supported.



Actuator Specifications ■ Lead and Load Canacity

Loud and Loud Oupdonly					
Model	Lead	Max. Load	I Capacity	Maximum	Stroke
Widdel	(mm)	Horizontal (kg)	Vertical (kg)	Push Force (N)	(mm)
RCP3-SA3R-I-28P-6-①-②-③-④	6	1	0.5	15	50- 200

Model	(mm)	Horizontal (kg)	Vertical (kg)	Push Force (N)	(mm)
RCP3-SA3R-I-28P-6-①-②-③-④	6	1	0.5	15	50, 000
RCP3-SA3R-I-28P-4-①-②-③-④	4	2	1	22	50~300 (50mm increments)
RCP3-SA3R-I-28P-2-①-②-③-④	2	3	1.5	44	morements)
Legend ①Stroke ②Compatible controller ③ Cable length	4 Option	ns			

■ Stroke and Maximum Speed						
Stroke Lead	$50\sim300$ (50mm increments)					
6	300					
4	200					
2	100					

① Stroke List

Stroke (mm)	Standard Price					
Stroke (IIIII)	With cover (standard)	No cover (Option)				
50	_	_				
100	_	-				
150	_	_				
200	-	-				
250	_	-				
300	_	_				

③ Cable List

Туре	Cable Symbol	Standard Price
Standard P (1m)	P (1m)	-
	S (3m)	-
(Robot Cables)	M (5m)	-
X06 (6m) ~	X06 (6m) ~ X10 (10m)	-
Special Lengths	X11 (11m) ~ X15 (15m)	-
	X16 (16m) ~ X20 (20m)	-

^{*} The standard cable is the motor-encoder integrated robot cable.

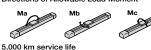
Option List

Name	Option Code	See Page	Standard Price
Brake-Equipped	В	→ A-25	-
Cable Exit Direction (Top)	CJT	→ A-25	_
Cable Exit Direction (Outside)	CIO	→ 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	_
Reversed-home	NM	→ A-33	-

Actuator Specifications

Item	Description
Drive System	Ball screw Ø6mm C10 grade
Positioning Repeatability	±0.02mm
Lost Motion	0.1mm or less
Base	Material: Aluminum (special alumite treated)
Allowable Static Load Moment	Ma: 5.0N·m Mb: 7.1N·m Mc: 7.9N·m
Allowable Dynamic Load Moment	Ma: 1.96N·m Mb: 2.84N·m Mc: 3.14N·m
Overhang Load Length	100mm or less
Ambient Operating Temp /Humidity	0~40°C 85% RH or less (non-condensing)

Directions of Allowable Load Moment

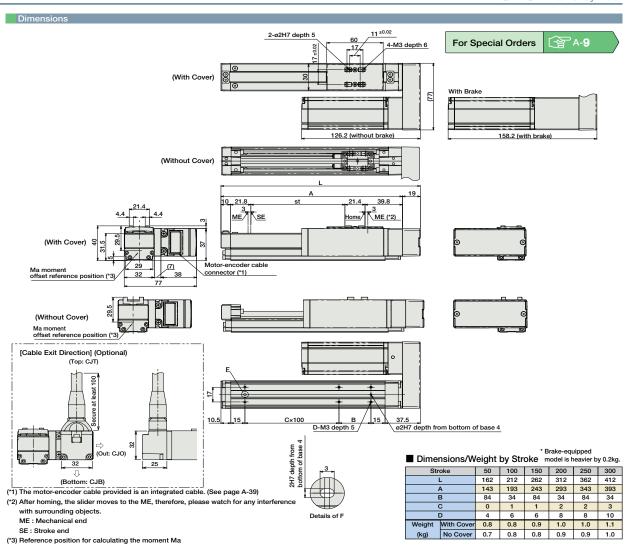






(Unit: mm/s)

^{*} See page A-39 for cables for maintenance.



Name	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity		See Page	
Solenoid Valve Type		PMEC-C-28PI-NP-2-①	Easy-to-use controller, even for beginners		AC100V AC200V	See P481	-	→ P477	
Solenoid valve Type		PSEP-C-28PI-NP-2-0	Operable with same signal as solenoid valve. Supports both single and double solenoid types.	3 points			-	→ P487	
Splash-Proof Solenoid Valve Type	No.	PSEP-CW-28PI-NP-2-0	No homing necessary with simple absolute type.				-	→ P467	
Positioner Type		PCON-C-28PI-NP-2-0	Positioning is possible for up to 512	points 512 points	512 points			-	
Safety-Compliant Positioner Type		PCON-CG-28PI-NP-2-0	points		DC24V	2A Max.	-	→ P525	
Pulse Train Input Type Differential Line Driver)		PCON-PL-28PI-NP-2-0	Pulse train input type with differential line driver support				-		
Pulse Train Input Type (Open Collector)		PCON-PO-28PI-NP-2-0	Pulse train input type with open collector support	(-)			-		
Serial Communication Type		PCON-SE-28PI-N-0-0	Dedicated to serial communication	64 points			-		
Field Network Type		RPCON-28P	Dedicated to field network	768 points			-	→ P503	
Program Control Type	E	PSEL-C-1-28PI-NP-2-0	Programmed operation is possible Can operate up to 2 axes	1500 points			-	→ P557	

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RCP3-SA3R **20**



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

PMEC AMEC PSEP ASEP ASEP ASEP ASEP ASEP ASED ACON SCON PSEL ASEL