RCP2- GRLS

Mini
Standard
Controllers
Integrated

Rod
Type

Mini
Standard

Controllers
Integrated

Table/Arm
/Flat Type

Mini
Standard

Crippes
Rotary Typ

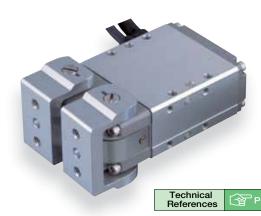
Linear Serv
Typ

PMEC
/AMEC
PSEP
//ASEP
ROBO
NET
ERC2
PCON
ACON
SCON
PSEL
ASEL

Type

30 **20P** 180 Motor Encoder Stroke - Compatible Control Cable Length Option I: Incremental

* The Simple
absolute encoder
is also considered
type "I". N : None P : 1m S : 3m M : 5m 20P : 20 □ size 30: 1/30 180: 180 P1: PCON NM:Reversed-home RPCON Pulse motor degrees FB:Flange bracket ratio PSEL SB:Shaft bracket (90 degrees pe P3: PMEC side) X□□ : Custom PSEP * See page Pre-35 for an explanation of the naming convention

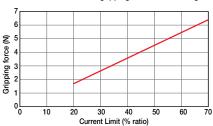


- The maximum opening/closing speed indicates the operating speed on one side. The relative operating speed is twice this value.
- The maximum gripping force is the sum of the gripping forces of both fingers, at a gripping point where there is no offset or overhaing distance. The work piece weight that can be actually moved depends on the friction coefficient between the gripper fingers and the work piece, as well as on the shape of the work piece. As a rough guide, a work piece's weight should not exceed 1/10 to 1/20 of the gripping force. (See page A.7 for details.)
- (3) The rated acceleration while moving is 0.3G.

■ Gripping Force Adjustment

The gripping (pushing) force can be adjusted freely within the range of current limits of 20% to 70%.

* The gripping forces in the following diagrams indicate the sums of gripping forces of both fingers.



* Please note that, when gripping (pushing), the speed is fixed at 5 degrees/s.

Actuator Specifications

■ Lead and Load Capacity

Model	Deceleration Ratio	Max. Gripping Force (N)	Stroke (deg)
RCP2-GRLS-I-20P-30-180-①-②-③	30	6.4	180 (90 per side)
Legend: ①Compatible controllers ②Cable length ③Option	ns		

■ Stroke and Maxi. Opening/Closing Speed 180 (deg) 30 600 (Unit: degrees/s)

Stroke List

Stroke (deg)	Standard Price
180	-

② Cable List

Туре		Cable Symbol	Standard Price
Standard Type (Robot Cables)	P (1m)		_
	S (3m)		-
	es) M (5m)		_
	X06 (6r	n) ~ X10 (10m)	-
Special Len	gths X11 (11	m) ~ X15 (15m)	-
	X16 (16	Sm) \sim X20 (20m)	_

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

③ Option List

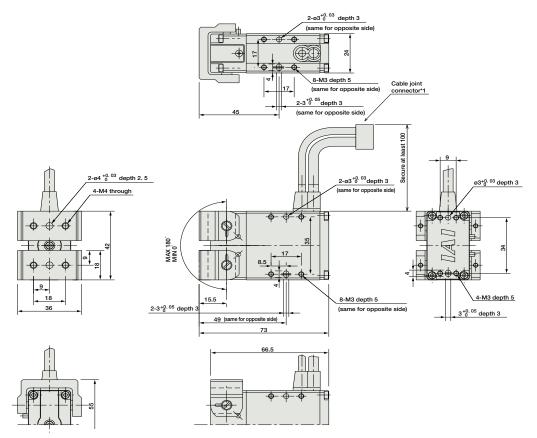
Name	Option Code	See Page	Standard Price
Reversed-home	NM	→ A-33	-
Flange bracket	FB	→ A-26	-
Shaft bracket	SB	→ A-36	-

Actuator Specification	ons
Item	Description
Drive System	Worm gear + helical gear
Positioning Repeatability	±0.01mm
Backlash	1 degree or less per side (constantly pressed out by a spring)
Lost Motion	1 degree or less
Guide	-
Allowable Static Load Moment	-
Weight	0.2kg
Ambient Operating Temp./Humidity	0~40°C, 85% RH or less (non-condensing)

For Special Orders



- The opening side of the slider is the home position.
 The motor-encoder cable is connected here. See page A-39 for details on cables.



Weight (kg) 0.2

Name	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity	Standard Price	See Page
		PMEC-C-20PI-NP-2-①	Easy-to-use controller, even for beginners		AC100V AC200V	See P481	-	→ P477
Solenoid Valve Type		PSEP-C-20PI-NP-2-0	Operable with same signal as solenoid valve. Supports both single and double solenoid types. No homing necessary with simple absolute type.	3 points			-	- → P487
Splash-Proof Solenoid Valve Type		PSEP-CW-20PI-NP-2-0					ı	
Positioner Type	•	PCON-C-20PI-NP-2-0 Positioning is possible for up to 512 points 512 points	- Positioning is possible for up to 512 points			ı		
Safety-Compliant Positioner Type		PCON-CG-20PI-NP-2-0		512 points		2A max.	-	→ P525
Pulse Train Input Type (Differential Line Driver)	Ó	PCON-PL-20PI-NP-2-0	Pulse train input type with differential line driver support	(-)	DC24V		ı	
Pulse Train Input Type (Open Collector)		PCON-PO-20PI-NP-2-0	Pulse train input type with open collector support		(-)		-	
Serial Communication Type	Í	PCON-SE-20PI-N-0-0	Dedicated to serial communication	64 points			-	
Field Network Type		RPCON-20P	Dedicated to field network	768 points			-	→ P503
Program Control Type		PSEL-C-1-20PI-NP-2-0	Programmed operation is possible Operation is possible on up to 2 axes	1500 points			-	→ P557

IAI

RCP2-GRLS **336**

