W-GRSS

Model Specification Items

RCP2W - GRSS -

- 20P ı

20P: Pulse motor,

20□ size

30

30: 1/30

ratio

- 8 -

8: 8mm

deceleration (4mm per side)

— Encoder type — Motor type — Deceleration Ratio — Stroke — Applicable controller — Cable length — Options P1: PCON-PL/PO/SE

PSEL P3: PCON-CA N: None P: 1m S: 3m

NM: Non-motor end SB: Shaft bracket

M:5m X□□: Custom Length **MSEP** PMEC/PSEP

* See page Pre-47 for details on the model descriptions







I: Incremental

encoder is also

The Simple absolute

considered type "I".

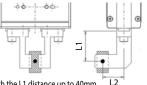
Technical References

selection

- (1) The maximum opening/closing speed indicates the operating speed on one side. The relative operating speed is twice this value
- (2) The maximum gripping force is the sum of the gripping forces of both fingers, at a gripping point where there is no offset or overhang 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-86 for details.)
- (3) The rated acceleration while moving is 0.3G.
- (4) Please note that the product has no splash-proof function.

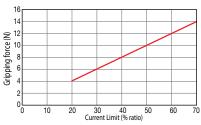
■ Gripping Force Adjustment

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



- * Operate with the L1 distance up to 40mm.
- $\mbox{\ensuremath{^{\ast}}}$ The gripping force value in the graph below is when both L1 and L2 are at 0 mm.

(For gripping force reference per L1 distance, see page A-87.) The gripping force value is the sum of gripping forces of both fingers.



- * The gripping force graph above shows the number of references. Please allow margins up to \pm 15%.
- * Please note that, when gripping (pushing), the speed is fixed at

Actuator Specifications

■ Lead and Payload

•							
Model number	Deceleration Ratio	Maximum Gripping Force (N)	Stroke (mm)				
RCP2W-GRSS-I-20P-30-8-①-②-③	30	14 (7 per side)	8 (4 per side)				
_	_	_					

Stroke and Maximum Speed

Stroke	8
Deceleration ratio	(mm)
30	78

(Unit: mm/s)

Stroke

Stroke (mm)	Standard price
8	_

②Cable Length

Туре	Cable symbol	Standard price		
Standard	P (1m)	_		
(Robot Cables)	S (3m)	_		
	M (5m)	_		
Special length	X06 (6m) ~ X10 (10m)	_		
	X11 (11m) ~ X15 (15m)	_		
	X16 (16m) ~ X20 (20m)	_		

- * The standard cable is the motor-encoder integrated robot cable. * See page A-59 for cables for maintenance.

Actuator Specifications

Name	Option code	See page	Standard price
Non-motor end specification	NM	→ A-52	_
Flange bracket	FB	→ A-43	_
Shaft bracket	SB	→ A-55	_

CAD drawings can be downloaded www.intelligentactuator.com

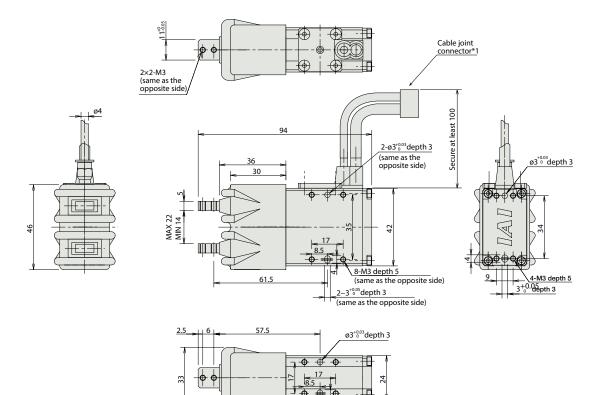
For Special Orders







* The opening side of the slider is the home position. (*1) Connect the motor-encoder integrated cable here. See page A-59 for details on cables.



4-M3 depth 5

3^{+0.05}depth 3

Weight (kg)	0.2

Name	External view	Model number	Features	Maximum number of positioning points	Input power	Power-supply capacity	Standard price	Referen page
Calamaid Value Tura	Solenoid Valve Type	PMEC-C-20PI-①-2-⑪	Easy-to-use controller, even for beginners	3 points	Refer to P541	_	→ P53	
Solenoid Valve Type		PSEP-C-20PI-①-2-0	Simple controller operable with the same signal as a solenoid valve		Refer to P555	_	→ P54	
Solenoid valve multi-axis type PIO specification	lune.	MSEP-C	Positioner type based on PIO control, allowing up to 8 axes to be connected		(—) DC24V	Refer to P572	_	→ P563
Solenoid valve multi-axis type Network specification	iiii	MSEP-C-(11)-~-(1V)-0-0	Field network-ready positioner type, allowing up to 8 axes to be connected	256 points				
Positioner type High-output specification		PCON-CA-20PI-①-2-0	Equipped with a high-output driver Positioner type based on PIO control	512 points		Refer to P618	_	→ P607 → P623
Pulse-train type High-output specification		PCON-CA-20PI-PL□-2-0	Equipped with a high-output driver Pulse-train input type	(—)			_	
Field network type High-output specification		PCON-CA-20PI-Ŵ-0-0	Equipped with a high-output driver Supporting 7 major field networks	768 points			_	
Pulse Train Input Type (Differential Line Driver)	Ē.	PCON-PL-20PI-①-2-0	Pulse train input type with differential line driver support	()		Refer to P628	_	
Pulse Train Input Type (Open Collector)		PCON-PO-20PI-①-2-0	Pulse train input type with open collector support	(—)			_	
Serial Communication Type		PCON-SE-20PI-N-0-0	Dedicated Serial Communication	64 points			_	
Program Control Type		PSEL-CS-1-20PI-①-2-0	Programmed operation is possible. Can operate up to 2 axes	1,500 points		Refer to P671	_	→ P66

IAI

*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.

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