



Technical References **全** P. A-**5**

Notes on Selection

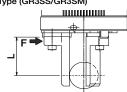
Mini
Standard
Controllers
Integrated

Rod
Type

Mini
Standard
Controllers
Integrated

- (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 all fingers with gripping point distance of 10mm and no overhang distance. For the actual transportable work piece weight, see explanation on the right or page A-74.
- (3) The rated acceleration while moving is 0.3G.

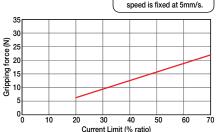
■ Gripping Force vs. Current Limit Slider Type (GR3SS/GR3SM)



Please keep the distance L from the finger mounting surface to the gripping point at less than the following dimensions.

GR3SS→50mm or less
GR3SM→80mm or less

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



(3) The rated ac

Actuator Specifications

Eead and Load Capacity				
Model	Deceleration	Max. Gripping	Stroke	
Model	Ratio	Force (N)	(mm)	
RCP2-GR3SS-I-28P-30-10-①-②-③	30	22	10	

Stroke and Maxi. Opening/Closing Speed

Stroke 10 (mm)

30 40

Stroke List

Stroke (mm)	Standard Price
10	-

Legend: ① Compatible controllers ② Cable length ③ Options

② Cable List

Туре	Cable Symbol	Standard Price
	P (1m)	_
Standard Type	S (3m)	-
	M (5m)	_
	X06 (6m) ~ X10 (10m)	-
Special Lengths	X11 (11m) ~ X15 (15m)	-
	X16 (16m) ~ X20 (20m)	-
Robot Cable	R01 (1m) ~ R03 (3m)	-
	R04 (4m) ~ R05 (5m)	-
	R06 (6m) ~ R10 (10m)	_
	R11 (11m) ~ R15 (15m)	-
	R16 (16m) ~ R20 (20m)	_

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

Pulse Motor

Servo Moto (24V

Servo Motor (200V)

Linear Servo Motor

③ Option List			
Name	Option Code	See Page	Standard Price
Flange bracket	FB	→ A-26	-
Shaft bracket	SB	→ A-36	_

Actuator Specification	ns		
Item	Description		
Drive System	Worm gear + worm wheel gear		
Positioning Repeatability	±0.01mm		
Backlash	0.3mm or less per side (constantly pressed out by a spring)		
Lost Motion	0.1mm or less per side		
Guide	Cross roller guide		
Allowable Static Load Moment	Ma: 3.8 N·m Mb: 3.8 N·m Mc: 3.0 N·m		
Weight	0.6kg		
Ambient Operating Temp./Humidity	0~40°C, 85% RH or less (non-condensing)		

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For Special Orders



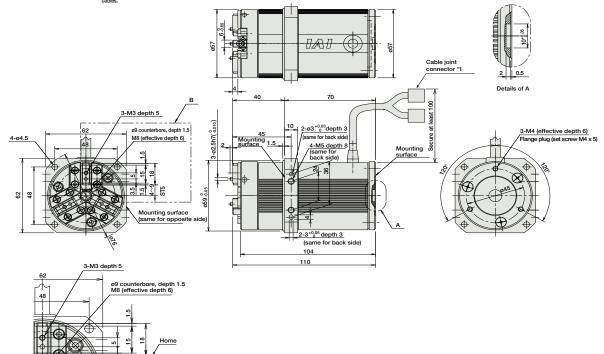
When homing, the actuator swings 0.5mm past the home position before returning. Therefore, please watch for any interference with the surrounding objects.

The motor-encoder cable is connected here. See page A-39 for details on

cables.

ST5

Details of section B



Weight (kg) 0.6

			trollers below. Select the controller ac	J ,	-			
Name	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity	Standard Price	See Page
Solenoid Valve Type	*	PMEC-C-28PI-NP-2-①	Easy-to-use controller, even for beginners	AC100V AC200V		See P481	-	→ P477
oolonoid taito typo	1	PSEP-C-28PI-NP-2-0 Operable with same signal as solenoid valve. 3 points	Operable with same signal as solenoid valve. Supports both single and double solenoid types. No homing necessary with simple absolute type.			-	→ P487	
Splash-Proof Solenoid Valve Type	I	PSEP-CW-28PI-NP-2-0					-	7 7407
Positioner Type	Ĩ	PCON-C-28PI-NP-2-0	Positioning is possible for up to 512 points	ossible for up to 512 points 512 points	512 paints	-		
Safety-Compliant Positioner Type		PCON-CG-28	PCON-CG-28PI-NP-2-0		512 points			-
Pulse Train Input Type Differential Line Driver)	Ó	PCON-PL-28PI-NP-2-0	Pulse train input type with differential line driver support		DC24V	DC24V 2A max.	-	→ P525
Pulse Train Input Type (Open Collector)		PCON-PO-28PI-NP-2-0					-	
Serial Communication Type	Í	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	2	PSEL-C-1-28PI-NP-2-0	Programmed operation is possible Operation is possible on up to 2 axes				-	→ P557

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