RCP5 ROBO Cylinder



Actuator Specifications																						
Lead and Payload Stroke and Maximum Speed Values in brackets <> are for vertical use. (Unit: mm													mm/s]									
	Model number	Lead (mm)	Connected controller	Maximun Horizontal (kg)	n payload Vertical (kg)	Maximum push force (N)	Stroke (mm)		Lead (mm)	50 (mm)	100 (mm)	150 (mm)	200 (mm)	250~350 (mm)	400 (mm)	450 (mm)	500 (mm)	550 (mm)	600 (mm)	650 (mm)	700 (mm)	
ĺ	RCP5-RA8C-WA-60P-20-①-P4-②-③	20	PCON-CFA	30	5	500			20	280	405	505 <450>	585 <450>	600 <450>	520 <450>	440	360	320	280	240	220	
	RCP5-RA8C-WA-60P-10-①-P4-②-③	10	PCON-CFA	60	40	1,000	50~700 (Every	50~700 (Every 50mm)		10	280 <250>		<	300 <250>		260 <250>	220	180	160	140	120	110
	RCP5-RA8C-WA-60P-5-①-P4-②-③	5	PCON-CFA	100	70	2,000	Jonni)		5 150			130	110	90	80	70	60	55				

Legend: ① Stroke ② Cable length ③ Options *Please refer to P. 59 for push-motion operation.

 Stroke 			
Stroke (mm)	Standard price	Stroke (mm)	Standard price
50	-	400	-
100	-	450	-
150	-	500	-
200	-	550	-
250	-	600	-
300	-	650	-
350	-	700	-

(2) Cable Length Cable code Туре Standard price **P** (1m) Standard type **S** (3m) **M** (5m) **X06** (6m) ~**X10** (10m) Special length X11 (11m)~X15 (15m) X16 (16m)~X20 (20m) R01 (1m) ~R03 (3m) R04 (4m) ~R05 (5m) Robot cable R06 (6m) ~R10 (10m) R11 (11m)~R15 (15m) R16 (16m)~R20 (20m)

*Please refer to P. 89 for maintenance cables

③ Options										
Name	Option code	Reference page	Standard price							
Brake	В	→P.11	-							
Cable exit direction (Top)	CJT	→P.11	-							
Cable exit direction (Right)	CJR	→P.11	-							
Cable exit direction (Left)	CJL	→P.11	-							
Cable exit direction (Bottom)	CJB	→P. 11	-							
Flange	FL	→P.12	-							
Non-motor end specification	NM	→P.11	-							

Actuator Specifications

Item	Description					
Drive system	Ball screw Ø16mm, rolled C10					
Positioning repeatability	±0.02mm					
Lost motion	0.1mm or less					
Rod	Ø40mm Aluminum					
Rod non-rotation precision (*1)	0 deg.					
Allowable load and torque on rod tip	Refer to table in the page on the right, refer to P. 65					
Rod tip overhang distance	100mm or less					
Ambient operating temperature, humidity	0 to 40°C, 85% RH or less (Non-condensing)					

(*1) Rod's angular displacement in rotational direction with no applied load is shown.



_	The RCP5 series actuators can be operated by the controllers indicated below. Please select the type depending on your intended use.											
	Name	External view	Model number	Maximum number of positioning points	Input power	Standard price	Reference page					
	Positioner type		PCON-CFA-60PWAI-NP-2-0 PCON-CFA-60PWAI-PN-2-0	512 points		-						
	Pulse-train type		PCON-CFA-60PWAI-PLN-2-0 PCON-CFA-60PWAI-PLP-2-0	—	DC24V	-	→P. 69					
	Field network type		PCON-CFA-60PWAI-①-0-0	768 points		-						

*(1) Field network specification code (DV, CC, PR, CN, ML, EC, EP)