## RCP2 ROBO Cylinder

Slide Typ



Actuator Specifications						
Leads and Payloads (Note 1) F	Please note	that the maximum	load capacity decre	eases as the speed increases.	Strok	e and I
Model number	Lead (mm)	Max. Load Ca Horizontal (kg)	oacity (Note 1) Vertical (kg)	Stroke (mm)	Stroke Lead	50~8 (every 50
RCP2-SS8C-I-56P-20-①-②-③-④	20	~40	~5		20	666 <600
RCP2-SS8C-I-56P-10-①-②-③-④	10	~50	~12	50~1000 (every 50mm)	10	333 <300
RCP2-SS8C-I-56P-5-①-②-③-④	5	~55	~20		5	165 <150
			÷		× TI	1 12 4

Stroke and Maximum Speed										
Stroke Lead	50~800 (every 50mm)	~900 (mm)	~1000 (mm)							
20	666 <600>	625 <600>	515							
10	333 <300>	310 <300>	255							
5	165 <150>	155 <150>	125							
* The values en	(Unit: mm/s)									

Code explanation ① Stroke ② Applicable Controller ③ Cable length ④ Options \*See page A-71 for details on push motion.

①Stroke	
①Stroke (mm)	Standard price
50/100	_
150/200	-
250/300	—
350/400	-
450/500	_
550/600	_
650/700	—
750/800	-
850/900	_
950/1000	_

④ Options			
Name	Option code	See page	Standard price
Brake	В	→ A-42	—
Non-motor end specification	NM	→ A-52	_
Slider roller specification	SR	→ A-55	—

Туре	Cable symbol	Standard Price
	<b>P</b> (1m)	—
Standard	<b>S</b> (3m)	—
	<b>M</b> (5m)	_
	<b>X06</b> (6m) ~ <b>X10</b> (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)	—
* See page A-59 for ca	bles for maintenance	

Actuator Specifications

③Cable Length

Item	Description
Drive System	Ball screw, ø16mm, rolled C10
Positioning repeatability	±0.02mm
Lost Motion	0.1mm or less (initial value)
Base	Material: Special alloy steel
Allowable static moment	Ma: 198.9 N·m, Mb: 198.9 N·m, Mc: 416.7 N·m
Allowable dynamic moment (*)	Ma: 36.3 N·m, Mb: 36.3 N·m, Mc: 77.4 N·m
Allowable overhang	450mm or less in Ma, Mb and Mc directions
Ambient operating temperature, humidity	0 to 40°C, 85% RH or less (Non-condensing)

(\*) Based on 10,000km of traveling life

Directions of Allowable Load Moment







Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
L	435	485	535	585	635	685	735	785	835	885	935	985	1035	1085	1135	1185	1235	1285	1335	1385
A	280	330	380	430	480	530	580	630	680	730	780	830	930	813	980	1030	1080	1130	1180	1230
В	50	100	150	200	250	300	350	400	450	500	550	600	700	46	750	800	850	900	950	1000
D	8	8	8	10	12	12	12	14	16	16	16	18	20	7	20	22	24	24	24	26
F	50	100	150	0	50	100	150	0	50	100	150	0	100	18	150	0	50	100	150	0
N	1	1	1	2	2	2	2	3	3	3	3	4	4	18	4	5	5	5	5	6
Weight (kg)	6.6	7.1	7.6	8.1	8.6	9.2	9.7	10.2	10.7	11.3	11.7	12.3	13.4	3.4	13.9	14.5	15.0	15.5	16.1	16.6

	<b>-</b>						e	D (					
Name	External view	Model number	Features	Maximum number of positioning points	Input power	Power-supply capacity	Standard price	Reference					
Colonaid Value Trmo	1	PMEC-C-56PI-①-2-①	Easy-to-use controller, even for beginners		AC100V AC200V	Refer to P541	_	→ P537					
Solenoid valve Type		PSEP-C-56PI-①-2-0	Simple controller operable with the same signal as a solenoid valve	3 points		Refer to P555	_	→ P547					
Solenoid valve multi-axis type PIO specification	line	MSEP-C	Positioner type based on PIO control, allowing up to 8 axes to be connected			Refer to		ND562					
Solenoid valve multi-axis type Network specification	iiii -	MSEP-C	Field network-ready positioner type, allowing up to 8 axes to be connected	256 points		P572	_	→ P503					
Positioner type High-output specification	i i	PCON-CA-56PI-①-2-0	Equipped with a high-output driver Positioner type based on PIO control	512 points			_						
Pulse-train type High-output specification							PCON-CA-56PI-PL□-2-0	Equipped with a high-output driver Pulse-train input type	(—)	DC24V	Refer to P618	_	→ P607
Field network type High-output specification		PCON-CA-56PI-10-0-0	Equipped with a high-output driver Supporting 7 major field networks	768 points	DC24V		_						
Pulse Train Input Type (Differential Line Driver)	Ő	PCON-PL-56PI-①-2-0	Pulse train input type with differential line driver support	( )	-		_						
Pulse Train Input Type (Open Collector)	8	PCON-PO-56PI-①-2-0	Pulse train input type with open collector support	(—)		Refer to P628	_	→ P623					
Serial Communication Type		PCON-SE-56PI-N-0-0	Dedicated Serial Communication	64 points			_						
Program Control Type		PSEL-CS-1-56PI-①-2-0	Programmed operation is possible. Can operate up to 2 axes	1,500 points		Refer to P671	_	→ P665					

~

Pulse Motor

