Linear Actuators

Components Accessories	: Actuator, Co	ontroller, Cable						
		Controller I/O S	Specifications					
Accessories	NPN / PNP	CC-Link	DeviceNet					
Accessories	Instruction M	anual (CD-ROM), Pow	ver Connector, Dummy Connecto					
	_	CC-Link Connector	DeviceNet Connector					
Actuator Material / Surface Treatment								

Components **Guide Rail** Slider Side Covers Surface Treatment

General Specifications

Service Ambient Ball Screws Temperature / Humidity Ø12 (C10 Rolled) 0-40°C, 35-85% RH (No condensation) Stepping

Standard Specifications Terminology P.513

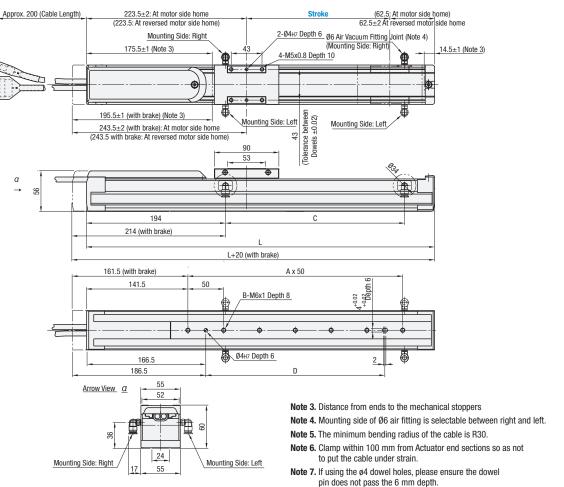
RoHS 10 Controller Specification P.510 Cycle Time Graph P.515

Time	Lead	Positioning	Maximum Load	Capacity (kg)	Maximum Push	Stroke	Maximum Velocity	Rated	Controller Input	Maximum	Cleanroom	Vacuum
Туре	(mm)	Repeatability (mm)	Horizontal	Vertical	Force (N)	(mm)	(Note 1) (mm/sec)	Running Life	Power Supply	Positioning Points	Class (Note 2)	(ℓ/min)
	06		12	4	120	50-800	300-190	10,0001	DC24V		CLASS10	
RS3C	12	±0.02	8	2	60	(50 Pitch)	600-380	10,000 km or More		255 Points	Based on	90
- 1	20		6		36	(50 PILCII)	1000_633	OI WILL	±10%		0.1 um per 1cf	

Instruction Manu CD-ROM

Note 1: Maximum speed varies depending on stroke. Please see Maximum Speed Table on the right page. Note 2: In the case of 90 l/min vacuum.

(Please specify as alterations)



Dimensions / Mass

Туре	Stroke (mm)	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
	L	336	386	436	486	536	586	636	686	736	786	836	886	936	986	1036	1086
	Α	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
RS3C	В	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
RSSU	С	90	140	190	240	290	340	390	440	490	540	590	640	690	740	790	840
	D	100	150	200	250	300	350	400	450	500	500	500	500	500	500	500	500
	Mass (kg)	2.5	2.7	2.9	3.1	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4

The mass of "with brake" type is 0.2 kg heavier.

RS3C

Slider Type Actuator (6-12 kg Max.) / Clean Room Version, continued



Compliant

MY MP MR 32 38 34

800

190

380

633

750

220

440

733

See notes on CE Marking P.5	1	
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	Part Number		Selections							
Туре	Lead (mm)	Brake (01)	Coupler Install Side	Controller	I/O Module	Cable Length (m)	Stroke (mm)			
	06				NPN: N	1				
RS3C	12	Without: Blank With: B	Right: R Left: L	C1 DC24V±10%	PNP: P CC-Link: C	5	50- 800 50 mm Increment			
	20				DeviceNet: D	10 Flexible Cable				

(01) Choose with brake type for use in vertical alignment. With brake type is not available for Lead 20.



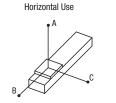
A Note

Moment Diagram

A power interruption circuit is not installed in this controller. Please be sure to build an external power interruption circuit and form an emergency stop circuit. Circuit Examples P.511.

833

Allowable Overhang Load



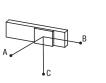
12 kg 465 39 64 10 kg 442 47 78 8 kg 480 61 100

8 kg 403 56 88 6 kg 399 76 118 4 kg 500 118 179

6 kg 352 71 104 4 kg 366 109 148 2 kg 599 225 291

Part Number

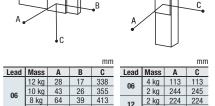
Alterations



6 kg 101 62 519

6 kg 85 55 334 4 kg 146 96 449

Wall Mount Use



12



Vertical Use

Max. Vel	ocity (mm/s	s)		
Toma	Lead			Stroke (mm)
Type	(mm)	50-600	650	700
	06	300 (250)	280 (250)	250
RS3C	12	600 (500)	560 (500)	500
	20	1000	033	833

O Values in () are for vertical applications.

Allowable Static Moment



Alterations	Change of Home Position Change of Home Position Material CT:	Handy Terminal	Handy Terminal with Deadman's Switch	Support Software with USB Communication Cable	Support Software with RS232C Communication Cable	I/O Cable	Actuator Instruction Manual	Controller Instruction Manual	Main Body Plastic Color Alterations
Code	E	Н	D	S	R	T	MJ / ME	KJ / KE	BC
Spec.	The home position is relocated to the opposite side of the motor.	Handy Terminal is included. Specifications P.512	Handy Terminal with Deadman's Switch is included. Specifications P.512	Support Software USB with communication cable is included. Specifications P.512	Support Software with RS232C communication cable is included. Specifications P.512	I/O cable is included. Required for NPN / PNP configurations. Specifications P.512	For Actuator main structures. Instruction Manual is included. MJ: Japanese Language ME: English Language	For Controllers Instruction Manual is included. KJ: Japanese Language KE: English Language	Change the Actuator plastic parts color to black.

O See P.512 for Optional Items.