

Series variation														
	Type	Model No.	Applicable motor size (W)	Body width (mm)	Screw lead (mm)	Max. load capacity (kg)								
						Horizontal	Vertical	50 mm	100	150	200	250		
						*1								
Servo motor compatible	Slider		50	44	6	20	5							
					12	12	2							
			100	54	2	30	10							
					5	30	10							
					10	15	5							
					20	10	2.5							
			200	82	5	50	15							
					10	30	8							
					20	12	2.5							
			400	120	5	110	33							
					10	88	22							
					20	40	10							
					32	30	8							
Stepper motor compatible														
Safety precautions														

	Stroke length (mm) and max. speed (mm/s) *2																				Page					
	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250		1300	1350			
	300 mm/s					*3 🕒 1.7 sec																		8		
	600					🕒 0.89 sec																				
	100							90	80	70	60	🕒 13.34 sec													14	
	250							225	200	175	150	🕒 5.35 sec														
	500							450	400	350	300	🕒 2.7 sec														
	1000							900	800	700	600	🕒 1.39 sec														
	250									225	200	175	150	125	100	75	50	🕒 22.01 sec							20	
	500									450	400	350	300	250	200	150	100	🕒 11.01 sec								
	1000									900	800	700	600	500	400	300	200	🕒 5.52 sec								
	250									225	200	175	150	140	130	120	110	100	90	80	🕒 15.63 sec					26
	500									450	400	350	325	300	275	250	225	200	175	150	🕒 8.35 sec					
	1000									900	800	700	650	600	550	500	450	400	350	300	🕒 4.2 sec					
	1600									1450	1300	1150	1050	950	850	750	650	550	450	350	🕒 3.61 sec					

*1: The load capacity when wall mounted is the same as for horizontal installation.

*2: The max. speed is the speed when the motor mounted by the customer can output a rotation speed of 3000 rpm. The max. speed is restricted by the stroke. Do not move at speeds beyond the limit.

*3: 🕒 shows the positioning time. Maximum stroke when installed horizontally and operated at max. speed and max. acceleration/deceleration. Note that this is not the value at maximum load capacity.

How to order

Slider

EBS - 05 L E - 02 0300 N NN - M 1 N N

A

B

C

D

E

F

G

H

I

J

A Body size	
04	Body width 44mm
05	Body width 54mm
08	Body width 82mm
12	Body width 120mm

B Motor	
L	None

C Motor mounting direction	
E	Straight mounting
R	Right mounting
D	Bottom mounting
L	Left mounting

D Screw lead	
02	2 mm
05	5 mm
06	6 mm
10	10 mm
12	12 mm
20	20 mm
32	32 mm

E Stroke length	
0050	50 mm
to	(In 50 mm increments)
1250	1250 mm

F Brake	
N	None

G Mounted motor specification	
M	Refer to the list on the page at right
Y	
P	
F	

H Motor size	
H	50 W
1	100 W
2	200 W
4	400 W

J Limit sensor	
N	None
B	Yes

I Origin sensor	
N	None
C	Yes

*This product is composed of an actuator (and motor mounting parts) only; there is no motor attached.
The user must prepare, mount, and adjust the motor and driver.

Servo motor compatible

Stepper motor compatible

Safety precautions

List of servo motors recommended for mounting

Code	Manufacturer	Series	50 W	100 W
M	Mitsubishi Electric Corporation	MELSERVO J4	HG-KR053	HG-KR13
		MELSERVO J5	HK-KT053W	HK-KT13W
	Delta Electronics Co., Ltd.	ECMA-C	ECMA-C1040F	ECMA-C10401
	Sanyo Corporation, Ltd.	SANMOTION R	R2□A04005	R2□A04010
Y	YASKAWA Electric Corporation	Σ-V	SGMJV-A5	SGMJV-01
		Σ-7	SGM7J-A5	SGM7J-01
	Keyence Corporation	SV	SV-□005	SV-□010
		SV2	SV2-□005	SV2-□010
P	Panasonic Corporation	MINAS A5	MSMD5A	MSMD01
		MINAS A6	MSMF5A	MSMF01
M	OMRON Corporation	G5	R88M-K05030	R88M-K10030
		1S	R88M-1M05030	R88M-1M10030
	Fuji Electric Co., Ltd.	ALPHA7 GYS	GYS500D7-□B2□	GYS101D7-□B2□
		ALPHA7 GYB	-	-
F	FANUC CORPORATION	βiS-B	A06B-0111-B1	A06B-0112-B1
P	Bosch Rexroth AG	MSM	MSM019A	MSM019B
M	Rockwell Automation, Inc.	TLP	TLP-A046-005-DKA□2	TLP-A046-010-DKA□2
	SIEMENS AG	1FK2 *1	1FK2102-0AG0	1FK2102-1AG0

Code	Manufacturer	Series	200 W	400 W
M	Mitsubishi Electric Corporation	MELSERVO J4	HG-KR23	HG-KR43
		MELSERVO J5	HK-KT23W	HK-KT43W
	Delta Electronics Co., Ltd.	ECMA-C	ECMA-C10602	ECMA-C10604
	Sanyo Corporation, Ltd.	SANMOTION R	R2□A06020	R2□A06040
Y	YASKAWA Electric Corporation	Σ-V	SGMJV-02	SGMJV-04
		Σ-7	SGM7J-02	SGM7J-04
	Keyence Corporation	SV	SV-□020	SV-□040
		SV2	SV2-□020	SV2-□040
P	Panasonic Corporation	MINAS A5	MSMD02	MSMD04
		MINAS A6	MSMF02	MSMF04
	OMRON Corporation	G5	R88M-K20030	R88M-K40030
		1S	R88M-1M20030	R88M-1M40030
M	Fuji Electric Co., Ltd.	ALPHA7 GYS	GYS201D7-□B2□	GYS401D7-□B2□
		ALPHA7 GYB	GYB201D7-□B2□	GYB401D7-□B2□
F	FANUC CORPORATION	βiS-B	A06B-2115-B1	-
P	Bosch Rexroth AG	MSM	MSM031B	MSM031C
M	Rockwell Automation, Inc.	TLP	TLP-A070-020-DKA□2	TLP-A070-040-DKA□2
	SIEMENS AG	1FK2 *1	1FK2203-2AG0	1FK2203-4AG0

*Contact CKD for mounting other than the above motors and products of other motor manufacturers.

*1 The servo motor is subject to the regulations of Export Trade Control Order Appendix Table 1 Item 7 (8), and is applicable with regard to its specifications. (as of January 2021)

EBS
EBR
ETS
ETS Multi-Axis
ECS
ETV
ECV
EKS
EBS
EBR
ETS
ECS

Servo motor compatible

Stepper motor compatible

Safety
precautions