

EJSG-P4

Compatible with slider type rechargeable battery manufacturing processes



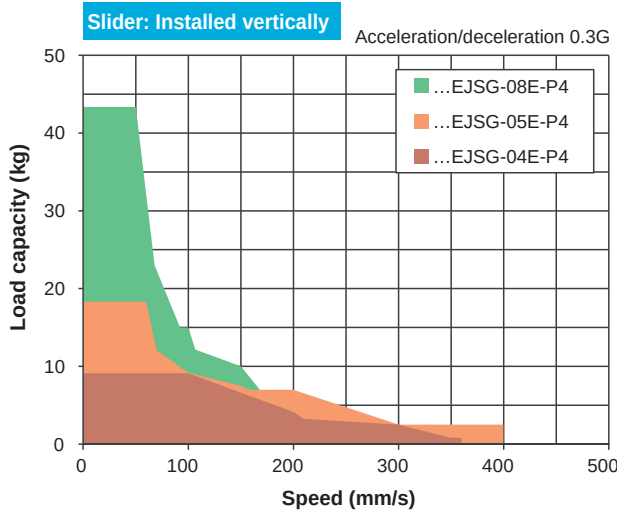
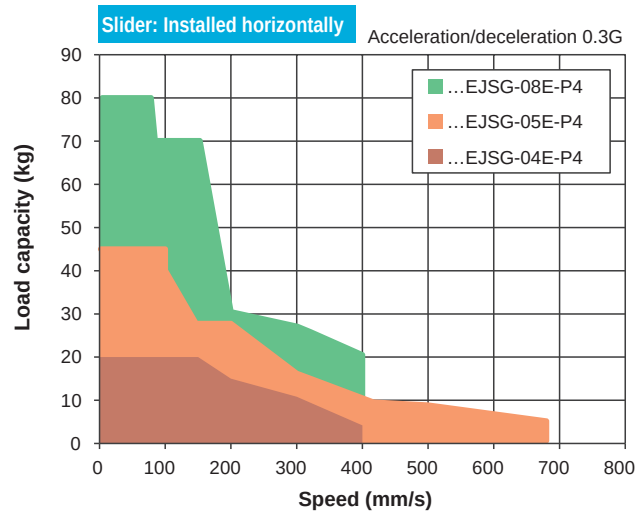
CONTENTS

Product introduction	Intro
Series variation	74
● Specifications/How to order/Dimensions	
• EJSG-04*-P4	76
• EJSG-05*-P4	80
• EJSG-08*-P4	84
● Model selection	108
● Technical data	110
⚠ Safety precautions	132
Model Selection Check Sheet	140

Series variation

Controller	Actuator Model No.		Motor Size	Motor Mounting Direction	Body width (mm)	Screw lead (mm)	Max. load capacity (kg)		Max. Pressing force (N)		Stroke (mm) and max. speed (mm/s)																				Listed page																			
											50 mm	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000		1050	1100																	
  ECG Series		EJSG-04E06-P4	☐ 35	Straight	44	6	20.0	9.2	155		260 mm/s														250	220	190	170													76									
		EJSG-04E12-P4				12	15.0	3.3	77		400																	390	340																					
		EJSG-04R/D/L06-P4		Left/Right/Bottom		6	20.0	9.2	155		200															190	170												78											
		EJSG-04R/D/L12-P4				12	11.7	3.3	77		320																																							
		EJSG-05E05-P4	☐ 42	Straight	54	5	40.0	14.0	220		230														225	200	175	150												80										
		EJSG-05E10-P4				10	27.5	7.0	110		400																	355	315																					
		EJSG-05E20-P4				20	18.3	2.5	55		680																									630														
		EJSG-05R/D/L05-P4		Left/Right/Bottom		5	40.0	10.0	220		200																	175	150										82											
		EJSG-05R/D/L10-P4				10	27.5	3.3	110		320																					315																		
		EJSG-05R/D/L20-P4				20	18.3	0.8	55		560																																							
		EJSG-08E05-P4	☐ 56	Straight	82	5	80.0	43.3	965		120																							110																84
		EJSG-08E10-P4				10	70.0	28.3	482		200																																							
		EJSG-08E20-P4				20	30.0	3.3	241		400																																							
		EJSG-08R/D/L05-P4		Left/Right/Bottom		5	80.0	33.3	965		100																																					86		
		EJSG-08R/D/L10-P4				10	70.0	18.3	482		200																																							
		EJSG-08R/D/L20-P4				20	30.0	3.3	241		320																																							

* This data is obtained at an acceleration/deceleration of 0.3G.
* The load capacity when wall mounted is the same as for horizontal installation.





Electric actuator Slider Compatible with rechargeable battery manufacturing processes

EJSG-04E-P4

Straight motor mounting

☐ 35 Stepping motor



How to order

EJSG - 04 E 06 0300 N B N - V C S03 - P4

1 Body size 04 Body width 44mm	2 Motor mounting direction E Straight mounting	3 Screw lead 06 6 mm 12 12 mm	4 Stroke 0050 to 0500 50 mm (In 50 mm increments) 800 mm	5 Brake *2 N None B Yes	6 Encoder B Battery-less absolute encoder C Incremental encoder	7 Fitting Blank None V Yes	8 Relay cable *3 N00 None S01 Fixed cable 1 m S03 Fixed cable 3 m S05 Fixed cable 5 m S10 Fixed cable 10 m R01 Movable cable 1 m R03 Movable cable 3 m R05 Movable cable 5 m R10 Movable cable 10 m
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*1 Select the controller from page 117.

*2 When using vertically, select "Yes".

*3 Refer to page 128 for relay cable dimensions.

Specifications

Supported controllers	ECG-A	
Motor	☐ 35 Stepping motor	
Encoder type	Battery-less absolute encoder Incremental encoder	
Drive method	Ball screw $\varnothing 10$	
Stroke mm	50 to 800	
Screw lead mm	6	12
Max. workload kg	Horizontal	20.0
*1	Vertical	9.2
Operation speed range *2mm/s	7 to 260	15 to 400
Max. acceleration/ deceleration G	Horizontal	0.7
	Vertical	0.3
Maximum pushing force N	155	77
Pressing operation speed rangemm/s	5 to 20	5 to 20
Repeatability mm	± 0.01	
Lost motion mm	0.1 or less	
Static allowable moment N·m	MP:62 MY:62 MR:92	
Motor power supply voltage	24 VDC $\pm 10\%$	
Motor section max. instantaneous currentA	2.4	
Brake	Model, power supply voltage	Non-excitation operation, 24 VDC $\pm 10\%$
	Power consumptionW	6.1
	Holding force N	140
Insulation resistance	10 M Ω , 500 VDC	
Withstand voltage	500 VAC for 1 minute	
Operating ambient temperature	10 to 40 °C (no freezing)	
Storage ambient temperature	-10 to 50°C (no freezing)	
Atmosphere	No corrosive gas, explosive gas, or dust	

*1 Load capacity varies according to acceleration/deceleration and speed. Refer to page 77 for details.

*2 The maximum speed may decrease depending on the conditions.

Stroke and max. speed

Screw lead	Stroke (mm/s)				
	50 to 600	650	700	750	800
6	260	250	220	190	170
12	400	400	400	390	340

Speed and load capacity

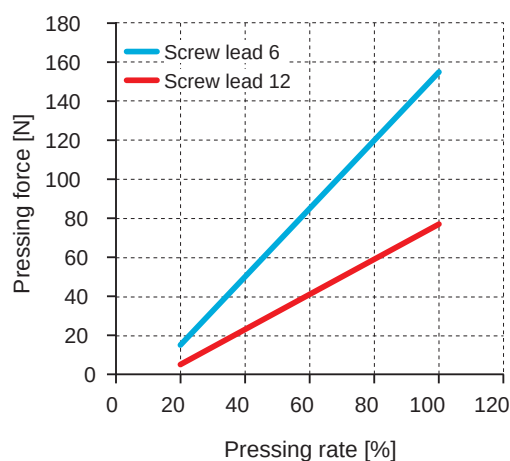
[When installed horizontally]

					(kg)
		Acceleration/deceleration (G)			
		0.3		0.7	
Speed (mm/s)	Screw lead (mm)				
	6	12	6	12	
7	20.0		20.0		
15	20.0	15.0	20.0	11.0	
50	20.0	15.0	20.0	11.0	
100	20.0	15.0	20.0	11.0	
150	20.0	15.0	12.5	10.8	
200	15.0	15.0	12.5	10.8	
250	11.7	10.8	11.7	8.3	
260	10.9	10.8	10.9	8.3	
300		10.8		8.3	
320		9.5		7.5	
400		4.2		4.2	

[When installed vertically]

Speed (mm/s)	Acceleration/deceleration (G)	
	0.3	
	Screw lead (mm)	
	6	12
7	9.2	
15	9.2	3.3
50	9.2	3.3
100	9.2	3.3
150	6.7	3.3
180	5.2	3.3
200	4.2	3.3
220	2.2	2.7
280		2.7
300		2.5
350		0.8
360		0.8

Pressing force



*The above pressing force is a reference value. Variation may occur according to conditions such as pressing speed.

Dimensions

Refer to page 8 for actuator dimensions.

Refer to page 88 for dimensions with fittings.

EJSG

EJSG-G

EJSG-C

EJSG-P4

EJSG-FP1

Model selection
Technical data

ECG-A

Safety
precautions



Electric actuator Slider Compatible with rechargeable battery manufacturing processes

EJSG-04*-P4

Motor side mounting (left, right, bottom)

□35 Stepping motor



How to order

EJSG - 04 R 06 0300 N B N - V C S03 - P4

1 Body size
04 Body width 44mm

2 Motor mounting direction*2*3
R Right mounting
D Bottom mounting
L Left mounting

3 Screw lead
06 6 mm
12 12 mm

4 Stroke *2*3
0050 to 0500 50 mm (In 50 mm increments) 800 mm

5 Brake *4
N None
B Yes

6 Encoder
B Battery-less absolute encoder
C Incremental encoder

7 Fitting *3
Blank None
V Yes

8 Relay cable *5
N00 None
S01 Fixed cable 1 m
S03 Fixed cable 3 m
S05 Fixed cable 5 m
S10 Fixed cable 10 m
R01 Movable cable 1 m
R03 Movable cable 3 m
R05 Movable cable 5 m
R10 Movable cable 10 m

*1 Select the controller from page 117.

*2 If the motor mounting direction "D" is selected, the stroke will be from "0250 (250 mm)" to "0800 (800 mm)".

*3 For the motor mounting direction "L" and with fitting "V", stroke 0050 (50 mm) cannot be selected.

*4 When using vertically, select "Yes".

*5 Refer to page 128 for relay cable dimensions.

Specifications

Supported controllers	ECG-A	
Motor	□35 stepper motor	
Encoder type	Battery-less absolute encoder Incremental encoder	
Drive method	Ball screw ø10	
Stroke mm	50 to 800	
Screw lead mm	6	12
Max. workload kg	Horizontal	20.0
	Vertical	9.2
Operation speed range *2mm/s	7 to 200	15 to 320
Max. acceleration/ deceleration G	Horizontal	0.7
	Vertical	0.3
Maximum pushing force N	155	77
Pressing operation speed rangemm/s	5 to 20	5 to 20
Repeatability mm	±0.01	
Lost motion mm	0.1 or less	
Static allowable moment N·m	MP:62 MY:62 MR:92	
Motor power supply voltage	24 VDC ±10%	
Motor section max. instantaneous currentA	2.4	
Brake	Model, power supply voltage	Non-excitation operation, 24 VDC ±10%
	Power consumptionW	6.1
	Holding force N	140
Insulation resistance	10 MΩ, 500 VDC	
Withstand voltage	500 VAC for 1 minute	
Operating ambient temperature	10 to 40 °C (no freezing)	
Storage ambient temperature	-10 to 50°C (no freezing)	
Atmosphere	No corrosive gas, explosive gas, or dust	

*1 Load capacity varies according to acceleration/deceleration and speed. Refer to page 79 for details.

*2 The maximum speed may decrease depending on the conditions.

Stroke and max. speed

Screw lead	Stroke (mm/s)		
	50 to 700	750	800
6	200	190	170
12	320	320	320

Speed and load capacity

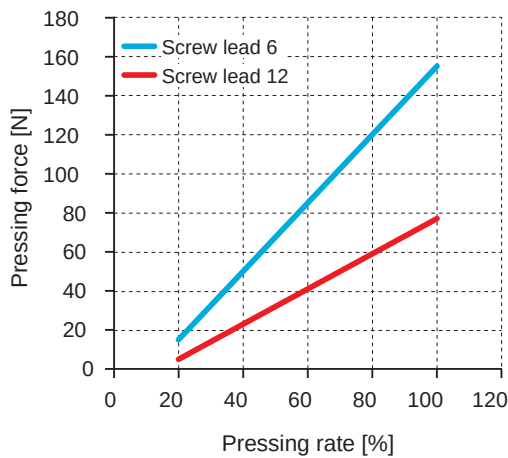
[When installed horizontally]

					(kg)
Acceleration/deceleration (G)					
Speed (mm/s)	Screw lead (mm)				
	6	12	6	12	
7	20.0		20.0		
15	20.0	11.7	20.0	10.0	
50	20.0	11.7	20.0	10.0	
100	20.0	11.7	20.0	10.0	
150	13.3	11.7	11.7	10.0	
200	13.3	11.7	10.0	10.0	
300		8.3		8.3	
320		7.3		7.3	

[When installed vertically]

Speed (mm/s)	Acceleration/deceleration (G)	
	0.3	
	Screw lead (mm)	
	6	12
7	9.2	
15	9.2	3.3
50	9.2	3.3
100	6.7	3.3
150	3.3	3.3
180	2.8	3.3
200		3.3
280		2.0

Pressing force



*The above pressing force is a reference value. Variation may occur according to conditions such as pressing speed.

Dimensions

Refer to pages 12 to 14 for actuator dimensions.

Refer to page 88 for dimensions with fittings.

EJSG

EJSG-G

EJSG-C

EJSG-P4

EJSG-FP1

Model selection
Technical data

ECG-A

Safety
precautions



Electric actuator Slider
manufacturing processes

Compatible with rechargeable battery

EJSG-05E-P4

Straight motor mounting

□42 Stepper motor



How to order

EJSG - 05 E 05 0300 N B N - V C S03 - P4

1 Body size	2 Motor mounting direction	3 Screw lead	4 Stroke	5 Brake	6 Encoder	7 Fitting	8 Relay cable
05 Body width 54mm	E Straight mounting	05 5 mm 10 10 mm 20 20 mm	0050 to 0800 50 mm (In 50 mm increments) 800 mm	N None B Yes	B Battery-less absolute encoder C Incremental encoder	Blank None V Yes	N00 None S01 Fixed cable 1 m S03 Fixed cable 3 m S05 Fixed cable 5 m S10 Fixed cable 10 m R01 Movable cable 1 m R03 Movable cable 3 m R05 Movable cable 5 m R10 Movable cable 10 m

*1 Select the controller from page 117.

*2 When using vertically, select "Yes".

*3 Refer to page 128 for relay cable dimensions.

Specifications

Supported controllers	ECG-A		
Motor	□42 Stepper motor		
Encoder type	Battery-less absolute encoder Incremental encoder		
Drive method	Ball screw ø12		
Stroke mm	50 to 800		
Screw lead mm	5	10	20
Max. workload kg	Horizontal	40.0	27.5
*1	Vertical	14.0	7.0
Operation speed range *2mm/s	6 to 230	12 to 400	25 to 680
Max. acceleration/ deceleration G	Horizontal	0.7	0.7
	Vertical	0.3	0.3
Maximum pushing force N	220	110	55
Pressing operation speed rangemm/s	5 to 20	5 to 20	5 to 20
Repeatability mm	±0.01		
Lost motion mm	0.1 or less		
Static allowable moment N·m	MP:103 MY:103 MR:144		
Motor power supply voltage	24 VDC ±10%		
Motor section max. instantaneous currentA	2.7		
Brake	Model, power supply voltage	Non-excitation operation, 24 VDC ±10%	
	Power consumptionW	6.1	
	Holding force N	168	84
			42
Insulation resistance	10 MΩ, 500 VDC		
Withstand voltage	500 VAC for 1 minute		
Operating ambient temperature	10 to 40 °C (no freezing)		
Storage ambient temperature	-10 to 50°C (no freezing)		
Atmosphere	No corrosive gas, explosive gas, or dust		

*1 Load capacity varies according to acceleration/deceleration and speed. Refer to page 81 for details.

*2 The maximum speed may decrease depending on the conditions.

Stroke and max. speed

Screw lead	Stroke (mm/s)				
	50 to 600	650	700	750	800
5	230	225	200	175	150
10	400	400	400	355	315
20	680	680	680	680	630

Speed and load capacity

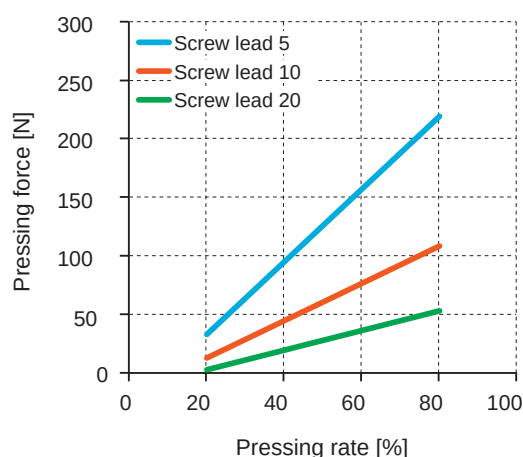
[When installed horizontally]

							(kg)
Acceleration/deceleration (G)							
0.3							0.7
Speed (mm/s)	Screw lead (mm)						
	5	10	20	5	10	20	
6	40.0			40.0			
12	40.0	27.5		40.0	27.5		
25	40.0	27.5	18.3	40.0	27.5	8.3	
50	40.0	27.5	18.3	40.0	27.5	8.3	
100	40.0	27.5	18.3	40.0	27.5	8.3	
150	26.7	27.5	10.0	26.7	27.5	6.7	
200	26.7	27.5	10.0	26.7	27.5	6.7	
230	26.7	15.8	10.0	26.7	12.5	6.7	
300		15.8	10.0		12.5	6.7	
320		14.6	8.3		11.8	5.0	
400		10.0	8.3		9.2	5.0	
500			8.3			5.0	
560			7.1			4.3	
680			4.6			2.8	

[When installed vertically]

Speed (mm/s)	Acceleration/deceleration (G)		
	0.3		
	Screw lead (mm)		
	5	10	20
6	14.0		
12	14.0	7.0	
25	14.0	7.0	2.5
50	14.0	7.0	2.5
100	9.2	7.0	2.5
150	7.5	7.0	2.5
170	6.2	7.0	2.5
200	4.2	7.0	2.5
260		4.3	2.5
300		2.5	2.5
325		2.1	2.5
340		2.1	2.5
400			2.5

Pressing force



*The above pressing force is a reference value. Variation may occur according to conditions such as pressing speed.

Dimensions

Refer to page 18 for actuator dimensions.
Refer to page 88 for dimensions with fittings.

EJSG

EJSG-G

EJSG-C

EJSG-P4

EJSG-FP1

Model selection
Technical data

ECG-A

Safety
precautions



Electric actuator Slider Compatible with rechargeable battery manufacturing processes

EJSG-05*-P4

Motor side mounting (left, right, bottom)

□42 Stepper motor



How to order

EJSG - 05 R 05 0300 N B N - V C S03 - P4

1	2	3	4	5	6	7	8
1 Body size 05 Body width 54mm	2 Motor mounting direction*2*3 R Right mounting D Bottom mounting L Left mounting	3 Screw lead 05 5 mm 10 10 mm 20 20 mm	4 Stroke *2*3 0050 to 0800 50 mm (In 50 mm increments) 800 mm	5 Brake *4 N None B Yes	6 Encoder B Battery-less absolute encoder C Incremental encoder	7 Fitting *3 Blank None V Yes	8 Relay cable *5 N00 None S01 Fixed cable 1 m S03 Fixed cable 3 m S05 Fixed cable 5 m S10 Fixed cable 10 m R01 Movable cable 1 m R03 Movable cable 3 m R05 Movable cable 5 m R10 Movable cable 10 m

*1 Select the controller from page 117.

*2 When the motor mounting direction "D" is selected, the stroke is selected from "0250 (250 mm)" to "0800 (800 mm)".

*3 For the motor mounting direction "L" and with fitting "V", stroke 0050 (50 mm) cannot be selected.

*4 When using vertically, select "Yes".

*5 Refer to page 128 for relay cable dimensions.

Specifications

Supported controllers	ECG-A		
Motor	□42 Stepper motor		
Encoder type	Battery-less absolute encoder Incremental encoder		
Drive method	Ball screw ø12		
Stroke mm	50 to 800		
Screw lead mm	5	10	20
Max. workload kg	Horizontal	40.0	27.5
*1	Vertical	10.0	3.3
Operation speed range *2mm/s	6 to 200	12 to 320	25 to 560
Max. acceleration/ deceleration G	Horizontal	0.7	0.7
	Vertical	0.3	0.3
Maximum pushing force N	220	110	55
Pressing operation speed rangemm/s	5 to 20	5 to 20	5 to 20
Repeatability mm	±0.01		
Lost motion mm	0.1 or less		
Static allowable moment N·m	MP:103 MY:103 MR:144		
Motor power supply voltage	24 VDC ±10%		
Motor section max. instantaneous currentA	2.7		
Brake	Model, power supply voltage	Non-excitation operation, 24 VDC ±10%	
	Power consumptionW	6.1	
	Holding force N	168	84
Insulation resistance	10 MΩ, 500 VDC		
Withstand voltage	500 VAC for 1 minute		
Operating ambient temperature	10 to 40 °C (no freezing)		
Storage ambient temperature	-10 to 50°C (no freezing)		
Atmosphere	No corrosive gas, explosive gas, or dust		

*1 Load capacity varies according to acceleration/deceleration and speed. Refer to page 83 for details.

*2 The maximum speed may decrease depending on the conditions.

Stroke and max. speed

Screw lead	Stroke (mm/s)		
	50 to 700	750	800
5	200	175	150
10	320	320	315
20	560	560	560

Speed and load capacity

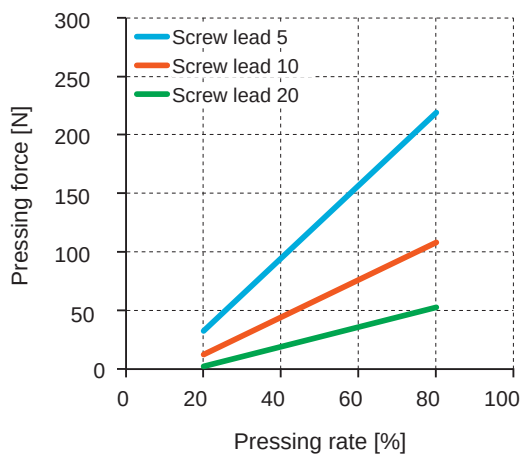
[When installed horizontally]

		(kg)				
		Acceleration/deceleration (G)				
		0.3		0.7		
Speed (mm/s)	Screw lead (mm)					
	5	10	20	5	10	20
6	40.0			40.0		
12	40.0	27.5		40.0	27.5	
25	40.0	27.5	18.3	40.0	27.5	7.5
50	40.0	27.5	18.3	40.0	27.5	7.5
100	40.0	27.5	18.3	40.0	27.5	7.5
150	26.7	23.3	10.0	26.7	20.0	5.0
200	26.7	23.3	10.0	26.7	20.0	5.0
300		11.7	10.0		11.7	5.0
320		10.0	6.7		10.0	4.2
500			6.7			4.2
560			5.7			3.5

[When installed vertically]

Speed (mm/s)	Acceleration/deceleration (G)		
	0.3		
	Screw lead (mm)		
	5	10	20
6	10.0		
12	10.0	3.3	
25	10.0	3.3	0.8
50	10.0	3.3	0.8
100	8.3	3.3	0.8
150	6.7	2.1	0.8
170	5.0	2.1	0.8
200		2.1	0.8
260		1.6	0.8
400			0.8

Pressing force



*The above pressing force is a reference value. Variation may occur according to conditions such as pressing speed.

Dimensions

Refer to pages 22 to 24 for actuator dimensions.

Refer to page 88 for dimensions with fittings.

EJSG

EJSG-G

EJSG-C

EJSG-P4

EJSG-FP1

Model selection
Technical data

ECG-A

Safety
precautions



Electric actuator Slider Compatible with rechargeable battery manufacturing processes

EJSG-08E-P4

Straight motor mounting

□56 Stepping motor



How to order

EJSG - 08 E 05 0300 N B N - V C S03 - P4

1

Body size

08

Body width
82mm

2

Motor mounting direction

E

Straight mounting

3

Stroke

0050
to
1100

50 mm
(In 50 mm
increments)
1100 mm

4

5

Brake

*2

N

None

B

Yes

6

Encoder

B

Battery-less absolute encoder

C

Incremental encoder

7

Fitting

Blank

None

V

Yes

8

Relay cable

*3

N00

None

S01

Fixed cable 1 m

S03

Fixed cable 3 m

S05

Fixed cable 5 m

S10

Fixed cable 10 m

R01

Movable cable 1 m

R03

Movable cable 3 m

R05

Movable cable 5 m

R10

Movable cable 10 m

3

Screw lead

05

5 mm

10

10 mm

20

20 mm

*1 Select the controller from page 117.

*2 When using vertically, select "Yes".

*3 Refer to page 128 for relay cable dimensions.

Specifications

Supported controllers		ECG-A		
Motor		□56 Stepper motor		
Encoder type		Battery-less absolute encoder Incremental encoder		
Drive method		Ball screw ø15		
Stroke mm		50 to 1100		
Screw lead mm		5	10	20
Max. workload kg *1	Horizontal	80.0	70.0	30.0
	Vertical	43.3	28.3	3.3
Operation speed range *2mm/s		6 to 120	12 to 200	25 to 400
Max. acceleration/ deceleration G	Horizontal	0.7	0.7	0.7
	Vertical	0.3	0.3	0.3
Maximum pushing force N		965	482	241
Pressing operation speed rangemm/s		5 to 20	5 to 20	5 to 20
Repeatability mm		±0.01		
Lost motion mm		0.1 or less		
Static allowable moment N·m		MP:203 MY:203 MR:336		
Motor power supply voltage		24 VDC ±10%		
Motor section max. instantaneous currentA		4.0		
Brake	Model, power supply voltage	Non-excitation operation, 24 VDC ±10%		
	Power consumptionW	7.2		
	Holding force N	768	384	192
Insulation resistance		10 MΩ, 500 VDC		
Withstand voltage		500 VAC for 1 minute		
Operating ambient temperature		10 to 40 °C (no freezing)		
Storage ambient temperature		-10 to 50°C (no freezing)		
Atmosphere		No corrosive gas, explosive gas, or dust		

*1 Load capacity varies according to acceleration/deceleration and speed. Refer to page 85 for details.

*2 The maximum speed may decrease depending on the conditions.

Stroke and max. speed

Screw lead	Stroke (mm/s)	
	50 to 1050	1100
5	120	110
10	200	200
20	400	400

Speed and load capacity

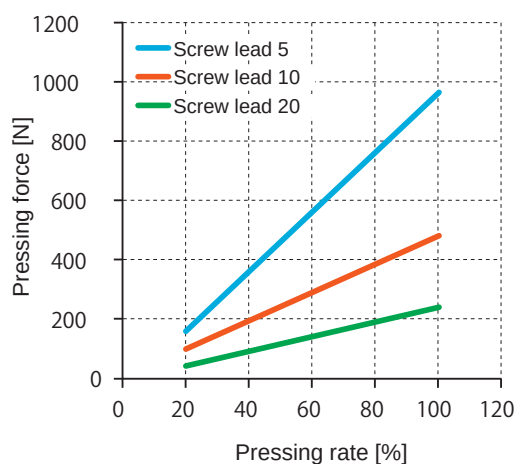
[When installed horizontally]

							(kg)
		Acceleration/deceleration (G)					
		0.3			0.7		
Speed (mm/s)	Screw lead (mm)						
	5	10	20	5	10	20	
6	80.0			80.0			
12	80.0	70.0		80.0	70.0		
25	80.0	70.0	30.0	80.0	70.0	26.7	
50	80.0	70.0	30.0	80.0	70.0	26.7	
75	80.0	70.0	30.0	80.0	70.0	26.7	
100	40.0	70.0	30.0	40.0	70.0	26.7	
120	40.0	70.0	30.0	40.0	70.0	18.3	
150		70.0	30.0		70.0	18.3	
200		28.3	30.0		17.5	18.3	
300			26.7			18.3	
320			25.4			17.0	
400			20.0				

[When installed vertically]

Speed (mm/s)	Acceleration/deceleration (G)		
	0.3		
	Screw lead (mm)		
	5	10	20
6	43.3		
12	43.3	28.3	
25	43.3	28.3	3.3
50	43.3	28.3	3.3
75	15.0	12.5	3.3
100	15.0	12.5	3.3
120	5.3	10.0	3.3
150		10.0	3.3
160		8.3	3.3
200		1.7	3.3
280			3.3

Pressing force



*The above pressing force is a reference value. Variation may occur according to conditions such as pressing speed.

Dimensions

Refer to page 28 for actuator dimensions.

Refer to page 88 for dimensions with fittings.

EJSG

EJSG-G

EJSG-C

EJSG-P4

EJSG-FP1

Model selection
Technical data

ECG-A

Safety
precautions



Electric actuator Slider Compatible with rechargeable battery manufacturing processes

EJSG-08*-P4

Motor side mounting (left, right, bottom)

□56 Stepping motor



How to order

EJSG - 08 R 05 0300 N B N - V C S03 - P4

1 Body size
08 Body width 82mm

2 Motor mounting direction*2
R Right mounting
D Bottom mounting
L Left mounting

3 Screw lead
05 5 mm
10 10 mm
20 20 mm

4 Stroke *2
0050 to 1100
50 mm (In 50 mm increments)
1100 mm

5 Brake *3
N None
B Yes

6 Encoder
B Battery-less absolute encoder
C Incremental encoder

7 Fitting
Blank None
V Yes

8 Relay cable *4
N00 None
S01 Fixed cable 1 m
S03 Fixed cable 3 m
S05 Fixed cable 5 m
S10 Fixed cable 10 m
R01 Movable cable 1 m
R03 Movable cable 3 m
R05 Movable cable 5 m
R10 Movable cable 10 m

*1 Select the controller from page 117.

*2 When the motor mounting direction "D" is selected, the stroke is selected from "0250 (250 mm)" to "1100 (1100 mm)".

*3 When using vertically, select "Yes".

*4 Refer to page 128 for relay cable dimensions.

Specifications

Supported controllers		ECG-A		
Motor		□56 Stepping motor		
Encoder type		Battery-less absolute encoder Incremental encoder		
Drive method		Ball screw ø15		
Stroke	mm	50 to 1100		
Screw lead	mm	5	10	20
Max. workload kg *1	Horizontal	80.0	70.0	30.0
	Vertical	33.3	18.3	3.3
Operation speed range *2mm/s		6 to 100	12 to 200	25 to 320
Max. acceleration/ deceleration G	Horizontal	0.7	0.7	0.7
	Vertical	0.3	0.3	0.3
Maximum pushing force	N	965	482	241
Pressing operation speed rangemm/s		5 to 20	5 to 20	5 to 20
Repeatability	mm	±0.01		
Lost motion	mm	0.1 or less		
Static allowable moment	N·m	MP:203 MY:203 MR:336		
Motor power supply voltage		24 VDC ±10%		
Motor section max. instantaneous currentA		4.0		
Brake	Model, power supply voltage	Non-excitation operation, 24 VDC ±10%		
	Power consumptionW	7.2		
	Holding force N	768	384	192
Insulation resistance		10 MΩ, 500 VDC		
Withstand voltage		500 VAC for 1 minute		
Operating ambient temperature		10 to 40 °C (no freezing)		
Storage ambient temperature		-10 to 50°C (no freezing)		
Atmosphere		No corrosive gas, explosive gas, or dust		

*1 Load capacity varies according to acceleration/deceleration and speed. Refer to page 87 for details.

*2 The maximum speed may decrease depending on the conditions.

Stroke and max. speed

Screw lead	Stroke
	50 to 1100
5	100
10	200
20	320

(mm/s)

Speed and load capacity

[When installed horizontally]

		(kg)				
		Acceleration/deceleration (G)				
		0.3		0.7		
Speed (mm/s)	Screw lead (mm)					
	5	10	20	5	10	20
6	80.0			80.0		
12	80.0	70.0		80.0	70.0	
25	80.0	70.0	30.0	80.0	70.0	26.7
50	80.0	70.0	30.0	80.0	70.0	26.7
75	68.3	70.0	30.0	68.3	70.0	26.7
100	40.0	70.0	30.0	40.0	70.0	26.7
150		70.0	30.0		30.0	18.3
200		28.3	30.0		17.5	18.3
300			6.7			6.7
320			6.0			6.0

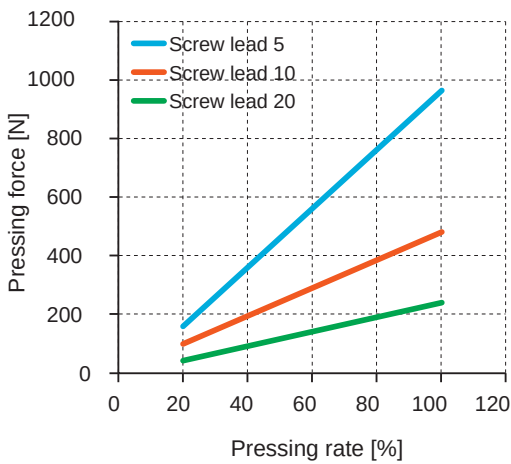
(kg)

[When installed vertically]

Speed (mm/s)	Acceleration/deceleration (G)		
	0.3		
	Screw lead (mm)		
	5	10	20
6	33.3		
12	33.3	18.3	
25	33.3	18.3	3.3
50	25.0	18.3	3.3
75	15.0	12.5	3.3
100	12.5	12.5	3.3
150		8.3	3.3
160		7.0	3.3
200			3.3
280			3.3

(kg)

Pressing force



*The above pressing force is a reference value. Variation may occur according to conditions such as pressing speed.

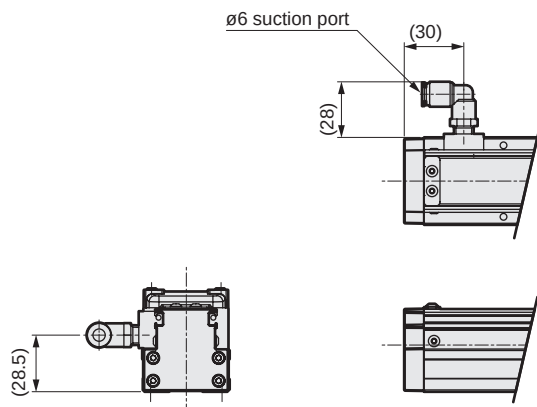
Dimensions

Refer to pages 32 to 34 for actuator dimensions.

Refer to page 88 for dimensions with fittings.

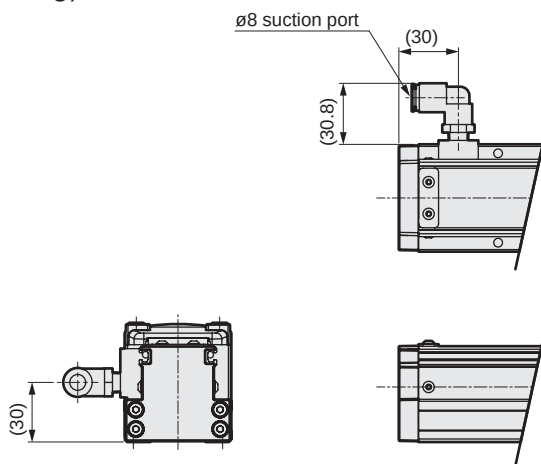
Dimensions

● EJSG-04-V-P4 (with fitting)



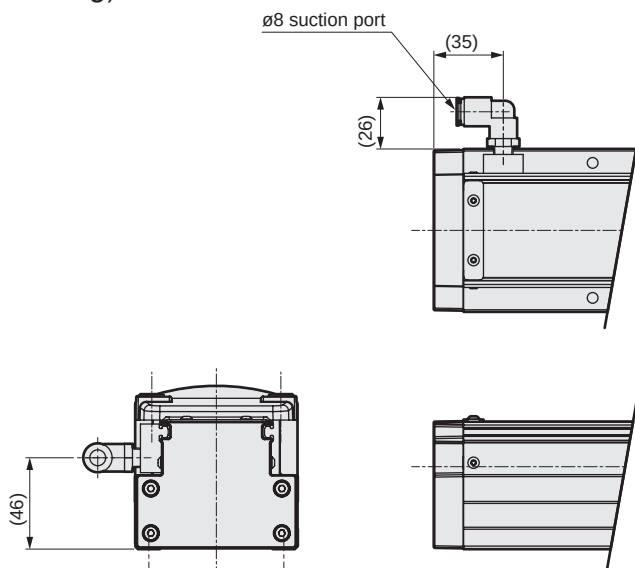
* Refer to pages 8, 12 to 14 for actuator dimensions.

● EJSG-05-V-P4 (with fitting)



* Refer to pages 18, 22 to 24 for actuator dimensions.

● EJSG-08-V-P4 (with fitting)



* Refer to pages 28, 32 to 34 for actuator dimensions.

EJSG

EJSG-G

EJSG-C

EJSG-P4

EJSG-FP1

Model selection
Technical data

ECG-A

Safety
precautions