



EKS-*L* Series



Item		EKS-04LE		EKS-04LR/D/L		EKS-05LE		EKS-05LR/D/L		
Applicable motor sizes		50 W/100 W servo motor				100 W servo motor				
Drive method		Ball screw ø10				Ball screw ø13				
Stroke *1 mm		100 to 900								
Screw lead mm		10	16	10	16	10	20	10	20	
Max.workload *2*3	kg	Horizontal	19	14	19	14	26	7.5	26	7.5
		Wall-mounted	10.5	8	10.5	8	19	7.5	19	7.5
		Vertical	8.5	7	8.5	7	12.5	6	11.5	5
Max. speed mm/s		500	800	500	800	500	1000	500	1000	
Rated thrust *3 N		179	112	179	112	179	89	179	89	
Repeatability mm		±0.01								
Lost motion mm		0.1 or less								
Static allowable load N		2140				3100				
Static allowable moment N·m		MP:103 MY:103 MR:58				MP:147 MY:147 MR:149				

Item		EKS-06LE		EKS-06LR/D/L		EKS-08LE		EKS-08LR/D/L	
Applicable motor sizes		200 W servo motor				400 W servo motor			
Drive method		Ball screw ø15				Ball screw ø20			
Stroke *1 mm		100 to 1300				100 to 1500			
Screw lead mm		20	30	20	30	20	40	20	40
Max.workload *2*3	kg								
	Horizontal	42	20.5	41	19	83.5	19	79.5	18
	Wall-mounted	20	18	20	18	45	19	45	18
	Vertical	12	7.5	10.5	6.5	23.5	10.5	20.5	9
Max. speed mm/s		1000	1500	1000	1500	1000	2000	1000	2000
Rated thrust *3 N		180	120	180	120	359	179	359	179
Repeatability mm		±0.01							
Lost motion mm		0.1 or less							
Static allowable load N		3250				4000			
Static allowable moment N·m		MP:330 MY:216 MR:188				MP:730 MY:437 MR:387			

Item		EKS-10LE		EKS-10LR/D/L	
Applicable motor sizes		750 W servo motor			
Drive method		Ball screw ø25			
Stroke *1 mm		100 to 1500			
Screw lead mm		25	50	25	50
Max.workload *2*3	kg				
	Horizontal	118.5	40	92.5	37.5
	Wall-mounted	76	40	76	37.5
	Vertical	33.5	14.5	28	12.5
Max. speed mm/s		1250	2500	1250	2500
Rated thrust *3 N		540	270	540	270
Repeatability mm		±0.01			
Lost motion mm		0.1 or less			
Static allowable load N		5830			
Static allowable moment N·m		MP:1048 MY:712 MR:671			

	EKS
P4	●
P40	●

●: Applicable models ○: Semi-applicable models
▲: Contact CKD for details. □: Not applicable

*3 Rated thrust and maximum load capacity are guideline values, assuming that the motor mounted will output the rated torque.

How to order: For models with no fittings

EKS - 04 L E - 10 0300 N NN - M 1 N C B - N N - P4

Model No.

A Body size

B Motor

C Motor mounting direction

D Screw lead

E Stroke

F Brake

G Mounted motor specification

H Motor size

I Motor shaft fixing method

J Origin sensor

K Limit sensor

L Anti-rust Treatment

[Example of model No.]

EKS-04LE-100300NNN-M1NCB-NN-P4

A Body size: body width 43mm

B Motor: none

C Motor mounting direction: Straight

D Screw lead: 10 mm

E Stroke: 300 mm

F Brake: None

G Mounted motor specifications: Manufactured by Mitsubishi Electric Co., Ltd.

H Motor size: 100 W

I Motor shaft fixing method: Straight

J Origin sensor: Yes

K Limit sensor: Yes

L Anti-rust treatment: None

*1 When all body sizes and motor mounting direction are straight mounting, "For straight mounting".

*2 Select "flat" or "key" only for EKS-04, 05 and 06 mounting.

*3 Select "Friction locking" only for EKS-06, 08 and 10 left/right/bottom mounting.

*4 Origin sensor and limit sensor are a set. As it is both-or-nothing, select "None" for both.

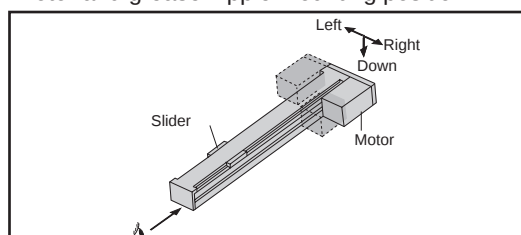
*5 If rust proof treatment is "Yes", select "P40".

*6 For "P40", select "Straight mounting" for the motor mounting direction.

G Mounted motor specification

Manufacturer	50 W	100 W	200 W	400 W	750 W
Mitsubishi Electric Corporation	M	M	M	M	M
Delta Electronics Co., Ltd.	M	M	M	M	M
Sanyo Denki Co., Ltd.	M	M	M	M	-
YASKAWA Electric Corporation	Y	Y	Y	Y	Y
Keyence Corporation	Y	Y	Y	Y	Y
Panasonic Corporation	P	P	P	P	P
OMRON Corporation	M	M	P	P	P
Fuji Electric Co., Ltd.	M	M	M	M	M
FANUC CORPORATION	M	M	-	-	-
Bosch Rexroth Corporation	P	P	P	P	P
Rockwell Automation, Inc.	M	M	M	M	M
SIEMENS AG	M	M	M	M	M

Motor and grease nipple mounting position



Refer to the EKS-L Series in "Electric Actuator Motorless (CB-055A)" for the recommended motor list, dimensions and model selection.

Without fitting

*5*6

Code	Description
A Body size	
04	Body width 43mm
05	Body width 53mm
06	Body width 64mm
08	Body width 84mm
10	Body width 104mm
B Motor	
L	None
C Motor mounting direction *6	
E	Straight mounting
R	Right mounting
D	Bottom mounting
L	Left mounting
D Screw lead	
10	10 mm
16	16 mm
20	20 mm
25	25 mm
30	30 mm
40	40 mm
50	50 mm
E Stroke	
0100 to 1500	100 mm (In 100 mm increments) 1500 mm
F Brake	
N	None
G Mounted motor specification	
M	Select the mounted motor specification from the table below.
Y	
P	
H Motor size	
H	50W (Body size: 04)
1	100 W (body size: 04, 05)
2	200 W (body size: 06)
4	400 W (body size: 08)
8	750 W (body size: 10)
I Motor shaft fixing method *1 *2 *3	
N	For straight mounting
D	Flat
K	Key
M	Friction locking
J Origin sensor (1 pc) *4	
N	None
C	Yes (Attached at shipment)
K Limit sensor (2 pcs) *4	
N	None
B	Yes (Attached at shipment)
L Anti-rust treatment *5	
N	None
U	Yes

P4
Series

Pneumatic actuator
Pneumatic Cylinder
Chuck
Hand/Chuck
Related products
Cylinder Switch

Vacuum components

Pneumatic valves
Clean air components
Speed controller

Pneumatic auxiliary components
Fitting
Auxiliary valve
Silencer
Tube

Gas generator

Fluid control components

Electric actuator
Motor specification

Motorless specifications

EKS-*L* Series

P4
Series

How to order: For models with fittings

EKS - 04 L E - 10 0300 N NN - M 1 N C B - N V - P4
P40

Model No.

A Body size

B Motor

C Motor mounting direction

D Screw lead

E Stroke

F Brake

G Mounted motor specification

H Motor size

I Motor shaft fixing method

J Origin sensor

K Limit sensor

L Anti-rust treatment

With fitting

Code	Description
A Body size	
04	Body width 43mm
05	Body width 53mm
06	Body width 64mm
08	Body width 84mm
10	Body width 104mm

B Motor	
L	None

C Motor mounting direction *1	
E	Straight mounting

D Screw lead	
10	10 mm
16	16 mm
20	20 mm
25	25 mm
30	30 mm
40	40 mm
50	50 mm

E Stroke	
0100 to 1500	100 mm (In 100 mm increments) 1500 mm

F Brake	
N	None

G Mounted motor specification	
M	Select the mounted motor
Y	specification from the table below.
P	

H Motor size	
H	50W (Body size: 04)
1	100 W (body size: 04, 05)
2	200 W (body size: 06)
4	400 W (body size: 08)
8	750 W (body size: 10)

I Motor shaft fixing method	
N	For straight mounting

J Origin sensor (1 pc) *2	
N	None
C	Yes (Attached at shipment)

K Limit sensor (2 pcs) *2	
N	None
B	Yes (Attached at shipment)

L Anti-rust treatment *3	
N	None
U	Yes

[Example of model No.]

EKS-04LE-100300NNN-M1NCB-NV-P4

A Body size: body width 43mm

B Motor: none

C Motor mounting direction: Straight

D Screw lead: 10 mm

E Stroke: 300 mm

F Brake: None

G Mounted motor specifications: Manufactured by Mitsubishi Electric Co., Ltd.

H Motor size: 100 W

I Motor shaft fixing method: Straight

J Origin sensor: Yes

K Limit sensor: Yes

L Anti-rust treatment: none

*1 With fittings, "Straight mounting" only.

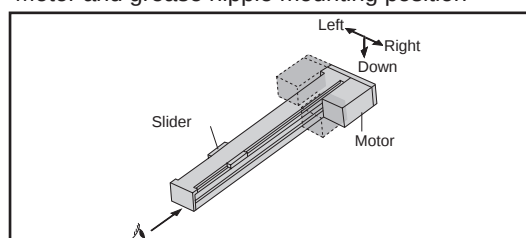
*2 Origin sensor and limit sensor are a set. As it is both-or-nothing, when either is "None", select "None" for both.

*3 When "Yes" is selected, select "P40".

G Mounted motor specification

Manufacturer	50 W	100 W	200 W	400 W	750 W
Mitsubishi Electric Corporation	M	M	M	M	M
Delta Electronics Co., Ltd.	M	M	M	M	M
Sanyo Denki Co., Ltd.	M	M	M	M	-
YASKAWA Electric Corporation	Y	Y	Y	Y	Y
Keyence Corporation	Y	Y	Y	Y	Y
Panasonic Corporation	P	P	P	P	P
OMRON Corporation	M	M	P	P	P
Fuji Electric Co., Ltd.	M	M	M	M	M
FANUC CORPORATION	M	M	-	-	-
Bosch Rexroth Corporation	P	P	P	P	P
Rockwell Automation, Inc.	M	M	M	M	M
SIEMENS AG	M	M	M	M	M

Motor and grease nipple mounting position



Refer to the EKS-L Series in "Electric Actuator Motorless (CB-055A)" for the recommended motor list, dimensions and model selection.