



Contact our sales office for delivery dates and prices since this is a special model.



P.G.Information(Specialized Product)

SP157X-005E-A
P TT

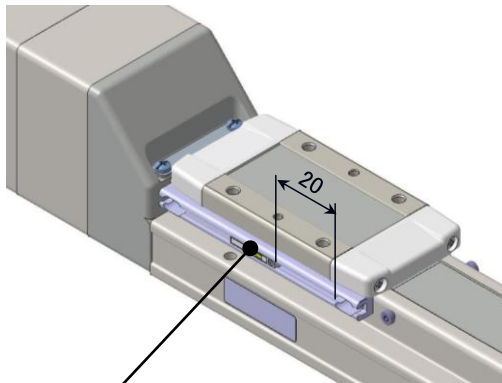
SMC Corporation
4-14-1, SOTO-KANDA,
CHIYODA-KU,
101-0021, JAPAN
URL: <http://www.smcworld.com>

Electric Actuator/Slider Type with auto switch mounting bracket / LEF**-*C

Features:

- Auto switch mounting bracket added for the AC servo and motorless types
- Return to origin with encoder Z phase built-in motor and auto switch mounting for stroke limit detection
- Auto switch can be mounted on the stroke end for both sides of the body (width of auto switch mounting: 20mm)

Note) If stroke is less than 100mm, an auto switch can be mounted on the stroke end of motor side only.



Applicable Auto switch

Model : D-M9(N/P/B)(W)(M/L/Z)-1124



Auto switch mounting surfaces

How to Order: (Please refer to the attachment for details.)

Model: LEF(S/B)(H)(25/32/40)***-* (*) C (*)

Auto switch mounting bracket
(1 pc/included in the package)

* If more than two auto switches are to be mounted, please order the mounting brackets separately.

How to Order AC servo motor / Ball Screw Drive

LEFS **H** **32** **R** **S3** **B** — **200** **C** **N** — **S** **2** **A2**

①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
⑫
⑬

① Accuracy

Nil	Basic type
H	High precision type

② Size

25
32
40

③ Motor mounting position

Nil	In-line
R	Right side parallel
L	Left side parallel

④ Motor type

Symbol	Type	Output [W]	Size	Compatible Controller/Drivers		
S2	AC servo motor (Incremental encoder)	100	25	LECSA□-S1		
S3		200	32	LECSA□-S3		
S4		400	40	LECSA2-S4		
S6/T6/V6	AC servo motor (Absolute encoder)	100	25	LECS[B/C/S]□-S5 LECSS2-T5 LECYM2-V5 / LECYU2-V5		
S7/T7/V7				200	32	LECS[B/C/S]□-S7 LECSS2-T7 LECYM2-V7 / LECYU2-V7
S8/T8/V8						400

⑤ Lead (mm)

Symbol	LEFS25	LEFS32	LEFS40
H	20	24	30
A	12	16	20
B	6	8	10

⑥ Stroke (mm)

50	50
~	~
1200	1200

⑦ Motor option

Nil	Without option
B	With lock

⑧ Auto switch mounting bracket

Nil	Without
C	Auto switch mounting bracket (1pc)

⑨ Seal band stopper type

Nil	Standard
N	Roller type seal band stopper (the seal band surface is grease-free).

⑩ Cable type

Nil	Without cable
S	Standard cable
R	Robotic cable (Flexible cable)

⑪ Cable length(m)

Symbol	Length	Type	
		S*/T*	V*
Nil	Without cable	●	●
2	2	●	—
3	3	—	●
5	5	●	●
A	10	●	●
C	20	—	●

⑫ Cable length (mm)

	Compatible drivers	Power-supply voltage (V)	Size		
			25	32	40
Nil	Without driver	—	●	●	●
A1	LECSA1-S□	100~120	●	●	—
A2	LECSA2-S□	200~230	●	●	●
B1	LECSB1-S□	100~120	●	●	—
B2	LECSB2-S□	200~230	●	●	●
C1	LECSC1-S□	100~120	●	●	—
C2	LECSC2-S□	200~230	●	●	●
S1	LECSS1-S□	100~120	●	●	—
	LECSS2-S□	200~230	●	●	●
S2	LECSS2-T□	200~240	●	●	●
	LECSS2-T□	200~240	●	●	●
M2	LECYM2-V□	200~230	●	●	●
U2	LECYU2-V□	200~230	●	●	●

Applicable stroke table (mm)

	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1100	1200	
LEFS25	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	—	—	—	—	—	—	—
LEFS32	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	—	—
LEFS40	—	—	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Note) Please refer to Best Pneumatics (catalog) for How to Order cautions.

How to Order

AC servo motor / Belt Drive

LEFB **40** **S4** S - **300** **C** - **S2** **A2**

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪

① Size

25
32
40

② Motor mounting position

Nil	Top mounting
U	Bottom mounting

④ Equivalent lead (mm)

S	54
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③ Motor type

Symbol	Type	Output [W]	Size	Compatible Controller/Drivers		
S2	AC servo motor (Incremental encoder)	100	25	LECSA□-S1		
S3		200	32	LECSA□-S3		
S4		400	40	LECSA2-S4		
S6/T6/V6	AC servo motor (Absolute encoder)	100	25	LECS[B/C/S]□-S5 LECSS2-T5 LECYM2-V5 / LECYU2-V5		
S7/T7/V7				200	32	LECS[B/C/S]□-S7 LECSS2-T7 LECYM2-V7 / LECYU2-V7
S8/T8/V8						400

⑤ Stroke (mm)

300	300
~	~
3000	3000

⑥ Motor option

Nil	Without option
B	With lock

⑦ Auto switch mounting bracket

Nil	Without
C	Auto switch mounting bracket (1pc)

⑧ Cable type

Nil	Without cable
S	Standard cable
R	Robotic cable (Flexible cable)

⑨ Cable length(m)

Symbol	Length	Type	
		S*/T*	V*
Nil	Without cable	●	●
2	2	●	—
3	3	—	●
5	5	●	●
A	10	●	●
C	20	—	●

⑩ Driver type

	Compatible drivers	Power-supply voltage(V)	Size		
			25	32	40
Nil	Without driver	—	●	●	●
A1	LECSA1-S□	100~120	●	●	—
A2	LECSA2-S□	200~230	●	●	●
B1	LECSB1-S□	100~120	●	●	—
B2	LECSB2-S□	200~230	●	●	●
C1	LECS1-S□	100~120	●	●	—
C2	LECS2-S□	200~230	●	●	●
S2	LECSS1-S□	100~120	●	●	—
	LECSS2-S□	200~230	●	●	●
M2	LECSS2-T□	200~240	●	●	●
	LECYM2-V□	200~230	●	●	●
U2	LECYU2-V□	200~230	●	●	●

⑪ I/O Cable length(m)

Nil	Without cable
H	Without cable (Connector only)
1	1.5

Applicable stroke table (mm)

● : Standard / ○ : Produced upon receipt of order

	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2500	3000
LEFB25	●	●	●	●	●	●	●	●	○	●	○	○	●	○	○	○	○	●	—	—
LEFB32	●	●	●	●	●	●	●	●	○	●	○	○	●	○	○	○	○	●	●	—
LEFB40	●	●	●	●	●	●	●	●	○	●	○	○	●	○	○	○	○	●	●	●

Note) Please refer to Best Pneumatics (catalog) for How to Order cautions.

How to Order

Motor less / Ball screw drive

LEFS **H** **25** **R** **NZ** **A** — **100**

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① Accuracy

Nil	Basic type
H	High precision type

② Size

25
32
40

③ Motor mounting position

Nil	In-line
R	Right side parallel
L	Left side parallel

⑤ Lead (mm)

Symbol	LEFS*25	LEFS*32	LEFS*40
H	20	24	30
A	12	16	20
B	6	8	10

④ Motor type

Symbol	Type
NZ	Mounting type Z
NY	Mounting type Y
NX	Mounting type X
NW	Mounting type W
NV	Mounting type V
NU	Mounting type U
NT	Mounting type T
NM1	Mounting type M1

*Refer to the Compatible motors

⑥ Stroke (mm)

50	50
~	~
1200	1200

⑦ Auto switch mounting bracket

Nil	Without
C	Auto switch mounting bracket (1pc)

⑧ Seal band stopper type

Nil	Standard
N	Roller type seal band stopper (the seal band surface is grease-free).

Compatible motors

Applicable motor model			Size/Motor type														
Manufacturer	Series	Type	25				32/40										
			NZ Mounting type Z	NY Mounting type Y	NX Mounting type X	NM1 Mounting type M1	NZ Mounting type Z	NY Mounting type Y	NX Mounting type X	NW Mounting type W	NV Mounting type V	NU Mounting type U	NT Mounting type T	NM1 Mounting type M1			
Mitsubishi Electric Corporation	MELSERVO-JN	HF-KN	●				●										
	MELSERVO-J3	HF-KP	●				●										
	MELSERVO-J4	HG-KR	●				●										
YASKAWA Electric Corporation	Σ-V	SGMJV	●				●										
SANYO DENKI CO., LTD.	SANMOTION R	R2	●				●										
OMRON Corporation	Systemac G5	R88M-K	●						●								
Panasonic Corporation	MINAS-A4	MSMD		●					●								
	MINAS-A5	MSMD/MHMD		●					●								
FANUC CORPORATION	βis	β	●					● (β1 only)				●					
NIDEC SANKYO CORPORATION	S-FLAG	MA/MH/MM	●					●									
KEYENCE CORPORATION	SV	SV-M/SV-B	●					●									
FUJI ELECTRIC CO.,LTD.	ALPHA5	GYS/GYB	●					●									
	FALDIC-α	GYS	●					●									
FASTECH Co., Ltd.	Ezi-SERVO	EzM				●											●*2
Rockwell Automation, Inc. (Allen-Bradley)	MP-/VP-	MP/VP										●*1					
	TL	TLY-A	●														●
Beckhoff Automation GmbH	AM	AM30	●											●*1			
	AM	AM31	●													●*2	
	AM	AM80/AM81	●														
Siemens AG	1FK7	1FK7			●												
Delta Electronics, Inc.	ASDA-A2	ECMA	●						●								

*1 Motor mounting position: In-line only

*2 Only size 32 is available when the motor mounting position is right (or left) side parallel.

Applicable stroke table (mm)

	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1100	1200	
LEFS*25	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	—	—	—	—	—	—	
LEFS*32	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	—	—
LEFS*40	—	—	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Note) Please refer to Best Pneumatics (catalog) for How to Order cautions.

How to Order

Motor less / Belt Drive

LEFB **25** **NZ** **S** - **300**

① ② ③ ④ ⑤ ⑥

① Size

25
32
40

② Motor mounting position

Nil	Top mounting
U	Bottom mounting

③ Motor type

Symbol	Type
NZ	Mounting type Z
NY	Mounting type Y
NX	Mounting type X
NW	Mounting type W
NV	Mounting type V
NU	Mounting type U
NT	Mounting type T
NM1	Mounting type M1

④ Equivalent lead [mm]

S	54
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⑤ Stroke (mm)

300	300
~	~
3000	3000

⑥ Auto switch mounting bracket

Nil	Without
C	Auto switch mounting bracket (1pc)

Compatible motors

Applicable motor model			Size/Motor type														
Manufacturer	Series	Type	25				32/40										
			NZ Mounting type Z	NY Mounting type Y	NX Mounting type X	NM1 Mounting type M1	NZ Mounting type Z	NY Mounting type Y	NX Mounting type X	NW Mounting type W	NV Mounting type V	NU Mounting type U	NT Mounting type T	NM1 Mounting type M1			
Mitsubishi Electric Corporation	MELSERVO-JN	HF-KN	●				●										
	MELSERVO-J3	HF-KP	●				●										
	MELSERVO-J4	HG-KR	●				●										
YASKAWA Electric Corporation	Σ-V	SGMJV	●				●										
SANYO DENKI CO., LTD.	SANMOTION R	R2	●				●										
OMRON Corporation	Sysmac G5	R88M-K	●					●									
Panasonic Corporation	<small>MINAS-A4</small>	MSMD		●					●								
	<small>MINAS-A5</small>	MSMD/MHMD		●					●								
FANUC CORPORATION	βis	β	●					●			●						
NIDEC SANKYO CORPORATION	S-FLAG	MA/MH/MM	●					●									
KEYENCE CORPORATION	SV	SV-M/SV-B	●					●									
FUJI ELECTRIC CO.,LTD.	ALPHA5	GYS/GYB	●					●									
	FALDIC-α	GYS	●					●									
FASTECH Co., Ltd.	Ezi-SERVO	EzM				●											● ²
Rockwell Automation, Inc. (Allen-Bradley)	MP-/VP-	MP/VP								●							
	TL	TLY-A	●														●
Beckhoff Automation GmbH	AM	AM30	●											●			
	AM	AM31	●													●	
	AM	AM80/AM81	●								●						●
Siemens AG	1FK7	1FK7				●						●					

Applicable stroke table (mm)

● : Standard / ○ : Produced upon receipt of order

	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2500	3000	
LEFB25	●	●	●	●	●	●	●	●	○	●	○	○	●	○	○	○	○	○	●	—	—
LEFB32	●	●	●	●	●	●	●	●	○	●	○	○	●	○	○	○	○	○	●	●	—
LEFB40	●	●	●	●	●	●	●	●	○	●	○	○	●	○	○	○	○	○	●	●	●

Note) Please refer to Best Pneumatics (catalog) for How to Order cautions.

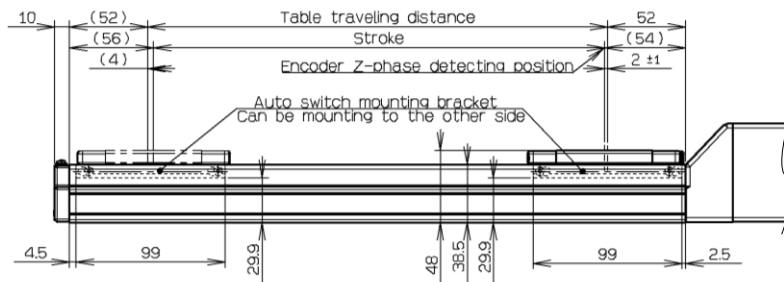
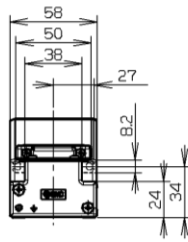
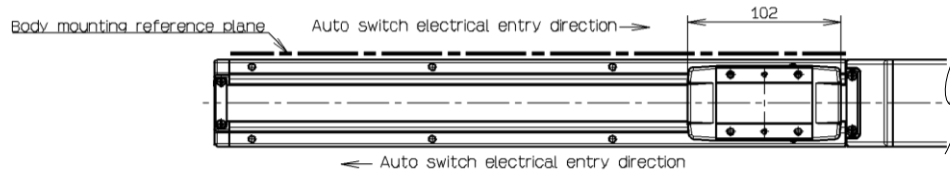
Dimensions Ball screw drive

Note 1) The drawings indicate the mounting positions of the auto switch

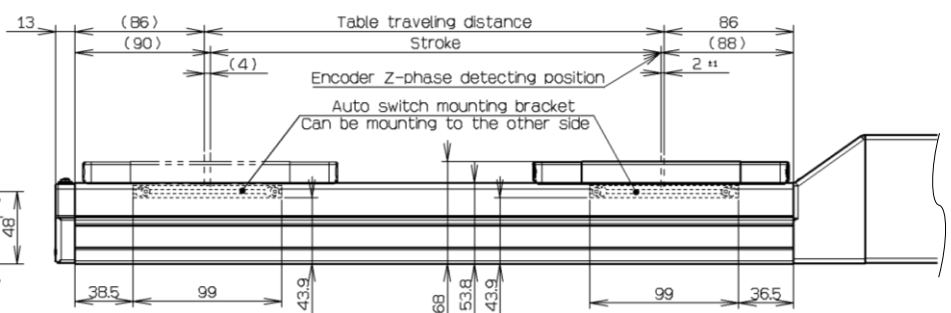
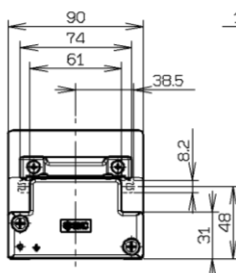
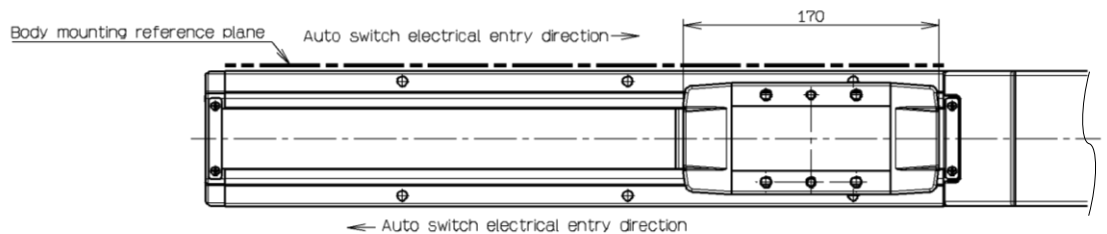
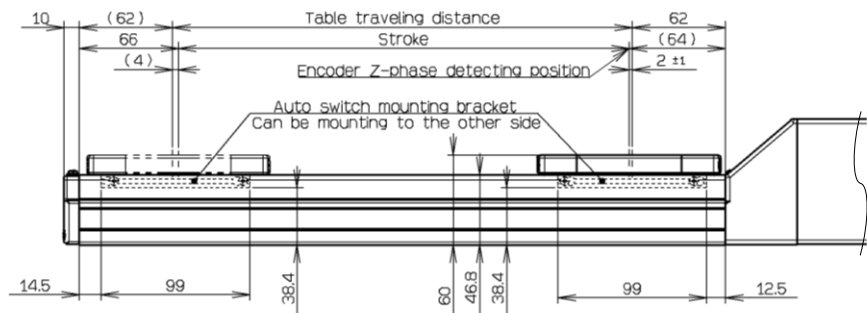
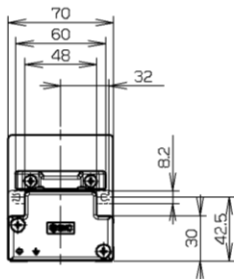
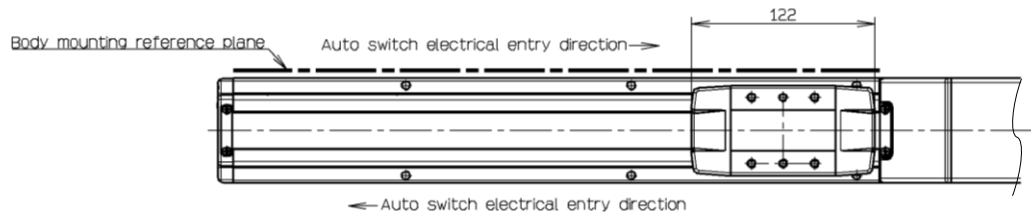
Please refer to Best Pneumatics (catalog) for the dimensions other than mounting dimensions of the auto switch.

Note 2) The mounting dimension for the top/bottom mounting type is the same as the dimension of the straight type. For the top/bottom mounting type, the auto switch is mounted on the opposite side of the motor on the stroke end.

LEFS25



LEFS32



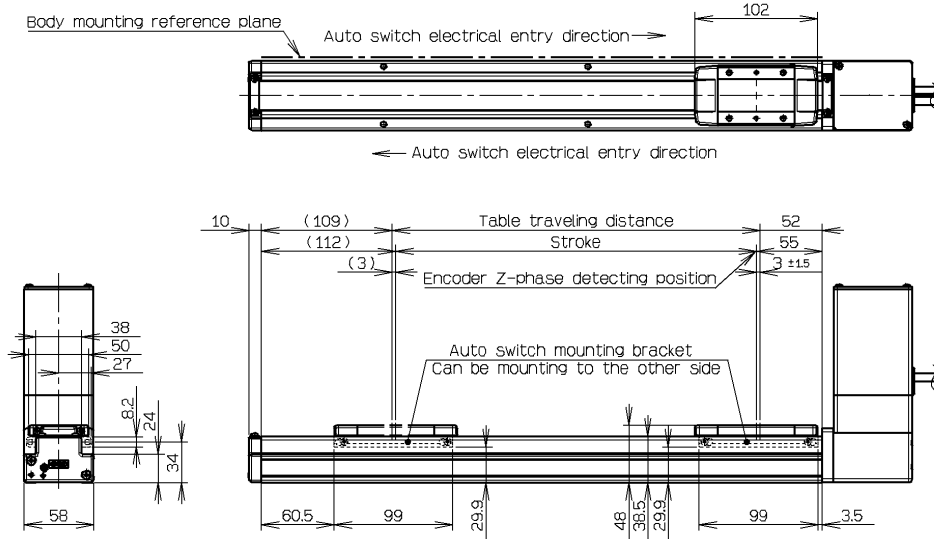
Dimensions Belt Drive

Note 1) The drawings indicate the mounting positions of the auto switch

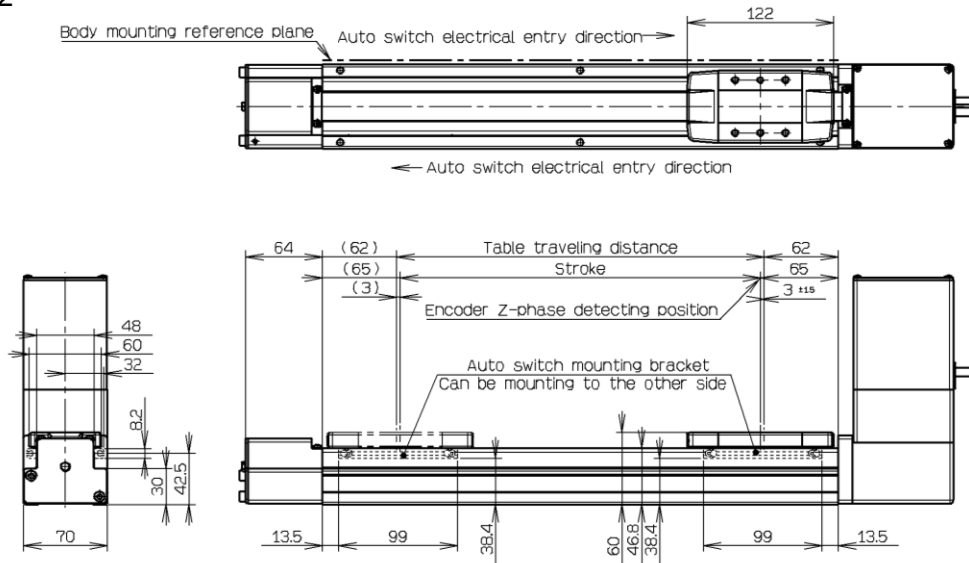
Please refer to Best Pneumatics (catalog) for the dimensions other than mounting dimensions of the auto switch.

Note 2) The mounting dimension for the top/bottom mounting type is the same as the dimension of the straight type.

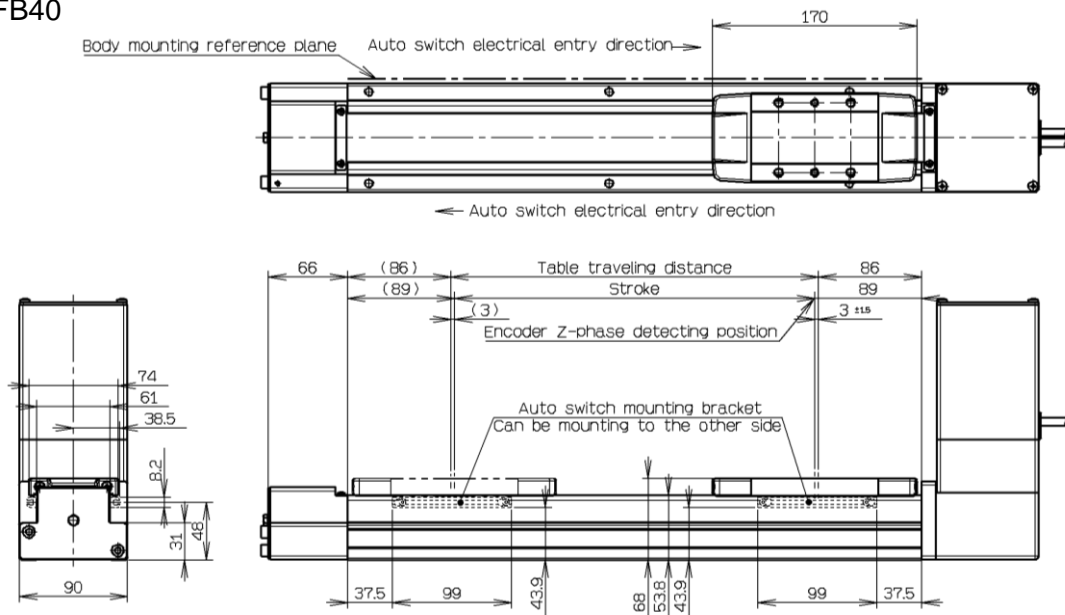
LEFB25



LEFB32

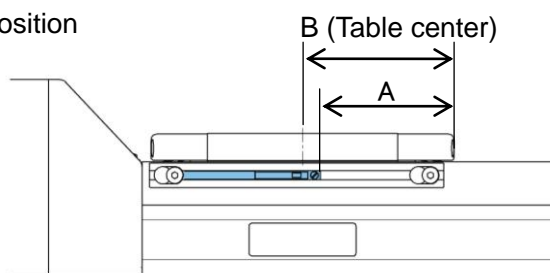


LEFB40



Auto Switch Mounting Position

1. Auto switch mounting position



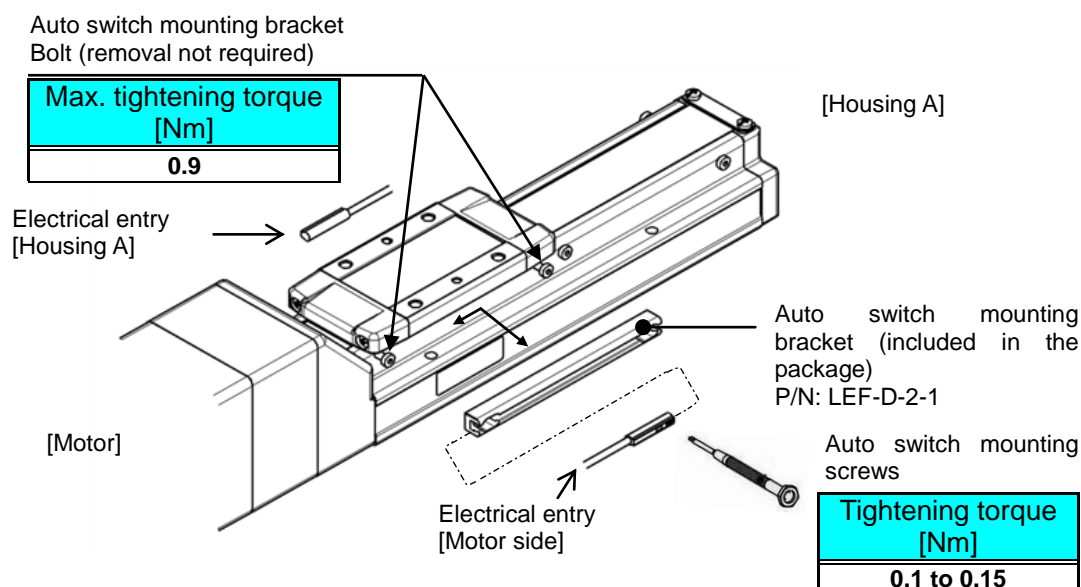
Model	Size	A	B	Operating range
LEFS LEFB	25	45	51	4.9
	32	55	61	3.9
	40	79	85	5.3

1. The applicable auto switches are D-M9 (N/P/B) (M/L/Z)-1124, D-M9 (N/P/B) W (M/L/Z)-1124.
2. The operating ranges which include hysteresis are for guideline purposes only, they are not guaranteed. There may be cases where it will vary substantially depending on the ambient environment.
3. Adjust the auto switch after confirming the operating conditions in the actual settings.

2. Auto switch mounting

Rotate the bolts for auto switch mounting bracket three to four times to loosen them (Removing them is not required), and slide and remove the auto switch mounting bracket. Then, insert a switch into the groove on the mounting bracket.

As the mounting bolts for installing the product body interfere with the auto switch mounting bracket, mount the auto switch mounting bracket after installing the product body. After installing product body, tighten the bolts for the auto switch mounting bracket.



1. The applicable auto switches are D-M9 (N/P/B) (M/L/Z)-1124, D-M9 (N/P/B) W (M/L/Z)-1124.
2. The direction of the lead wire entry is specified. If it is mounted in the opposite direction, the auto switch may malfunction.
3. Tighten the auto switch mounting screws (provided together with the auto switch), using a precision screwdriver with a handle diameter of approximately 5 to 6 mm.
4. If more than two auto switch mounting brackets are required, please order them separately. All eight bolts for attaching the auto switch mounting bracket at the stroke end are tightened into the body when the product is shipped.
For 50-mm stroke type, only four bolts are tightened on the motor side.

Caution: To ensure the safest possible operation of this product, please be sure to thoroughly read the "Safety Instructions" in our "Best Pneumatics" catalog before use.