

Slider Type Ball Screw Drive

Secondary Battery Compatible



25A-LEFS Series 25A-LEFS25, 32, 40

Refer to the **Web Catalog** for model selection.



Refer to the "CE/UKCA/UL-compliance List" in the Web Catalog.

LECY □ Series ▶ p. 304

How to Order

25A-LEFS **H** **32** **R** **S3** **B** - **200** **K** - **S** **2** **A2**

Series compatible with secondary batteries

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	25A-LEFS25	25A-LEFS32	25A-LEFS40
H	20	24	30
A	12	16	20
B	6	8	10

6 Stroke [mm]

50 to 1200	50 to 1200
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* For details, refer to the applicable stroke table below.

7 Motor option

Nil	Without option
B	With lock

4 Motor type

Symbol	Type	Output [W]	2 Size	1 Driver type	Compatible drivers
S2*1	AC servo motor (Incremental encoder)	100	25	A1/A2	LECSA□-S1
S3		200	32	A1/A2	LECSA□-S3
S4		400	40	A2	LECSA2-S4
T6*2	AC servo motor (Absolute encoder)	100	25	B2	LECSB2-T5
T7				C2	LECSC2-T5
				S2	LECSS2-T5
		B2	LECSB2-T7		
T8		200	32	C2	LECSC2-T7
				S2	LECSS2-T7
	B2			LECSB2-T8	
T8	400	40	C2	LECSC2-T8	
			S2	LECSS2-T8	

*1 For motor type S2, the compatible driver part number suffix is S1.
*2 For motor type T6, the compatible driver part number is LECS□2-T5.

8 Positioning pin hole

Nil	Housing B bottom*1	
K	Body bottom 2 locations	

*1 Refer to the body mounting example for the mounting method. (Refer to the Web Catalog.)

9 Cable type*1 *2

Nil	Without cable
S	Standard cable
R	Robotic cable

*1 A motor cable and encoder cable are included with the product. (A lock cable is also included if motor option "B: With lock" is selected.)
*2 Standard cable entry direction is:
· Parallel: (A) Axis side
· In-line: (B) Counter axis side

10 Cable length*1 [m]

Nil	Without cable
2	2
5	5
A	10

*1 The length of the encoder, motor, and lock cables are the same.

11 Driver type

	Compatible drivers	Power supply voltage [V]	Size		
			25	32	40
Nil	Without driver	—	●	●	●
A1	LECSA1-S□	100 to 120	●	●	—
A2	LECSA2-S□	200 to 230	●	●	●
B2	LECSB2-T□	200 to 240	●	●	●
C2	LECSC2-T□	200 to 230	●	●	●
S2	LECSS2-T□	200 to 240	●	●	●

* When a driver type is selected, a cable is included. Select the cable type and cable length.
Example) S2S2: Standard cable (2 m) + Driver (LECSS2)
S2: Standard cable (2 m)
Nil: Without cable and driver

12 I/O cable length [m]*3

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

*3 When "Nil: Without driver" is selected for the driver type, only "Nil: Without cable" can be selected. If an I/O cable is required, refer to the "Options" page in the Web Catalog.

Applicable Stroke Table

Model	Stroke [mm]																						
	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1100	1200	
25A-LEFS25	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
25A-LEFS32	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
25A-LEFS40	—	—	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

* Please contact SMC for non-standard strokes as they are produced as special orders.

Compatible Drivers*1 * The 25A-series specifications and dimensions are the same as those of the standard model. For details, refer to the Web Catalog.

Driver type	Pulse input type/ Positioning type	Pulse input type	CC-Link direct input type	SSCNET III/H type
Series	LECSA	LECSB-T	LECSC-T	LECSS-T
Number of point tables	Up to 7	Up to 255	Up to 255 (2 stations occupied)	—
Pulse input	○	○	—	—
Applicable network	—	—	CC-Link	SSCNET III/H
Control encoder	Incremental 17-bit encoder	Absolute 22-bit encoder	Absolute 18-bit encoder	Absolute 22-bit encoder
Communication function	USB communication	USB communication, RS422 communication	USB communication, RS422 communication	USB communication
Power supply voltage [V]	100 to 120 VAC (50/60 Hz) 200 to 230 VAC (50/60 Hz)	200 to 240 VAC (50/60 Hz)	200 to 230 VAC (50/60 Hz)	200 to 240 VAC (50/60 Hz)

Replacement Parts/Grease Pack

Applied portion	Order no.
Ball screw	GR-D-005 (5 g)
Rail guide	GR-D-010 (10 g)

*1 Copper and zinc materials are used for the motors, cables, controllers/drivers.