Electric Actuator/Slider Type

Ball Screw Drive   Secondary Battery Compatible
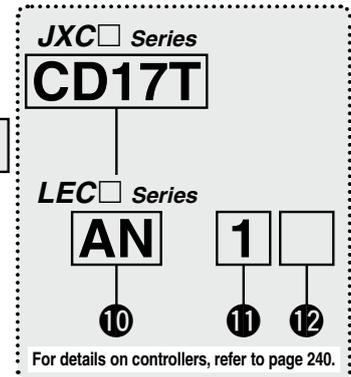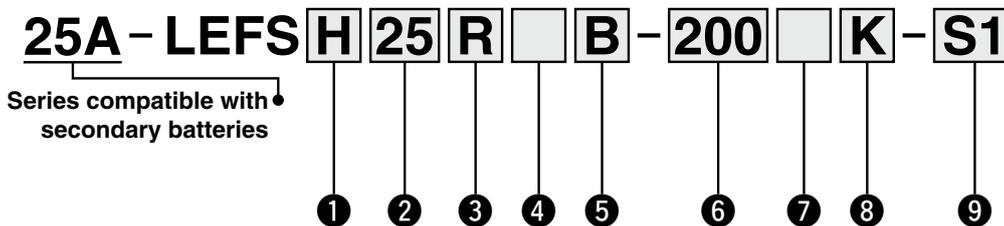
CE UKCA cULus

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

25A-LEFS Series   LEFS16, 25, 32, 40   RoHS

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

How to Order

25A – LEFS **H** **25** **R** **☐** **B** – **200** **☐** **K** – **S1**

Series compatible with secondary batteries

❶ ❷ ❸ ❹ ❺ ❻ ❼ ❽ ❾

JXC☐ Series

CD17T

LEC☐ Series

AN **1** **☐**

❿ ⓫ ⓬

For details on controllers, refer to page 240.

---

❶ Accuracy

Nil	Basic type
H	High-precision type

❷ Size

16
25
32
40

❸ Motor mounting position

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

❺ Lead [mm]

Symbol	LEFS16	LEFS25	LEFS32	LEFS40
A	10	12	16	20
B	5	6	8	10

❹ Motor type

Symbol	Type	Applicable size				Compatible controllers/drivers
		LEFS16	LEFS25	LEFS32	LEFS40	
Nil	Step motor (Servo/24 VDC)	●	●	●	●	JXC51 JXCEF JXC61 JXC9F JXCE1 JXCPF JXC91 JXCLF JXCP1 JXCD1 LECP1 JXCL1 LECPA JXCM1
A	Servo motor (24 VDC)	●	●	—	—	LECA6

❻ Stroke[1] [mm]

Stroke	Note	
	Size	Applicable stroke
50 to 500	16	50, 100, 150, 200, 250, 300, 350, 400, 450, 500
50 to 600	25	50, 100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600
50 to 800	32	50, 100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800
150 to 1000	40	150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 950, 1000

❼ Motor option

Nil	Without option
B	With lock

❽ Positioning pin hole

Nil	Housing B bottom[2]	Housing B bottom
K	Body bottom 2 locations	Body bottom

❾ Actuator cable type/length[4]

Standard cable [m]

Nil	None
S1	1.5[6]
S3	3[6]
S5	5[6]

Robotic cable [m]

R1	1.5	RA	10[3]
R3	3	RB	15[3]
R5	5	RC	20[3]
R8	8[3]		

* The 25A- series specifications and dimensions are the same as those of the standard model.

For details, refer to the Web Catalog.

SMC

JXC□ Series (For details, refer to page 241.)

❿ Controller

Nil	Without controller
C□1□□	With controller

C D 1 7 T

Interface (Communication protocol/Input/Output)

Symbol	Type	Number of axes, Special specification	
		Standard	With STO sub-function
5	Parallel input (NPN)	●	
6	Parallel input (PNP)	●	
E	EtherCAT	●	●
9	EtherNet/IP™	●	●
P	PROFINET	●	●
D	DeviceNet®	●	
L	IO-Link	●	●
M	CC-Link	●	

● Mounting

7	Screw mounting
8*10	DIN rail

● Number of axes, Special specification

Symbol	Number of axes	Specification
1	Single axis	Standard
F	Single axis	With STO sub-function

● Communication plug connector, I/O cable*11

Symbol	Type	Applicable interface
Nil	Without accessory	—
S	Straight type communication plug connector	DeviceNet® CC-Link Ver. 1.10
T	T-branch type communication plug connector	
1	I/O cable (1.5 m)	Parallel input (NPN) Parallel input (PNP)
3	I/O cable (3 m)	
5	I/O cable (5 m)	

LEC□ Series (For details, refer to page 241.)

AN 1 □
❿ ⓫ ⓬

❿ Controller/Driver type*5

Nil	Without controller/driver	
6N	LECA6	NPN
6P	(Step data input type)	PNP
1N	LECP1*6	NPN
1P	(Programless type)	PNP
AN	LECPA*6 *7	NPN
AP	(Pulse input type)	PNP

⓫ I/O cable length*8

Nil	Without cable (Without communication plug connector)
1	1.5 m
3	3 m*9
5	5 m*9

⓬ Controller/Driver mounting

Nil	Screw mounting
D	DIN rail*10

∗1 Please contact SMC for non-standard strokes as they are produced as special orders.
∗2 Refer to the body mounting example in the **Web Catalog** for the mounting method.
∗3 Produced upon receipt of order (Robotic cable only)
∗4 The standard cable should only be used on fixed parts.
 For use on moving parts, select the robotic cable.
 Refer to the **Web Catalog** if only the actuator cable is required.
∗5 For details on controllers/drivers and compatible motors, refer to the compatible controllers/drivers on the next page.
∗6 Only available for the motor type "Step motor"
∗7 When pulse signals are open collector, order the current limiting resistor (LEC-PA-R-□) separately. (Refer to the **Web Catalog**.)

∗8 When "Without controller/driver" is selected for controller/driver types, I/O cable cannot be selected. If an I/O cable is required, order the cable separately for each series. (For details, refer to the **Web Catalog**.)
∗9 When "Pulse input type" is selected for controller/driver types, pulse input usable only with differential. Only 1.5 m cables usable with open collector
∗10 The DIN rail is not included. It must be ordered separately.
∗11 Select "Nil" for anything other than DeviceNet®, CC-Link, or parallel input.
 Select "Nil," "S," or "T" for DeviceNet® or CC-Link.
 Select "Nil," "1," "3," or "5" for parallel input.

⚠ Caution

[CE/UKCA-compliant products]

① EMC compliance was tested by combining the electric actuator LEF series and the controller LEC/JXC series.
 The EMC depends on the configuration of the customer's control panel and the relationship with other electrical equipment and wiring. Therefore, compliance with the EMC directive cannot be certified for SMC components incorporated into the customer's equipment under actual operating conditions. As a result, it is necessary for the customer to verify compliance with the EMC directive for the machinery and equipment as a whole.
② For the servo motor (24 VDC) specification, EMC compliance was tested by installing a noise filter set (LEC-NFA). Refer to the **Web Catalog** for the noise filter set. Refer to the LECA series Operation Manual for installation.

[UL-compliant products (For the LEC series)]
When compliance with UL is required, the electric actuator and controller/driver should be used with a UL1310 Class 2 power supply.

The actuator and controller/driver are sold as a package.

Confirm that the combination of the controller/driver and actuator is correct.

<Check the following before use.>
① Check the actuator label for the model number (after "25A-"). This number should match that of the controller/driver.
② Check that the Parallel I/O configuration matches (NPN or PNP).

LEFS25RA-400   NPN
① ②

∗ Refer to the Operation Manual for using the products. Please download it via our website: https://www.smcworld.com

Directional Control Valves
Air Cylinders
Related Products
Rotary Actuators
Air Grippers
Vacuum Equipment
Air Preparation Equipment
Clean Air Filters
Modular F.R.L./ Pressure Control Equipment
Flow Control Equipment/ Fittings
Detection Switches
Fluid Control Equipment
Process Gas Equipment
Electric Actuators
Auto Switches

Compatible Controllers/Drivers

Type	Step data input type	Step data input type	Programless type	Pulse input type
Series	JXC51 JXC61	LECA6	LECP1	LECPA
Features	Parallel I/O	Parallel I/O	Capable of setting up operation (step data) without using a PC or teaching box	Operation by pulse signals
Compatible motor	Step motor (Servo/24 VDC)	Servo motor (24 VDC)	Step motor (Servo/24 VDC)	
Max. number of step data	64 points		14 points	—
Power supply voltage	24 VDC			

Type	EtherCAT direct input type	EtherCAT direct input type with STO sub-function	EtherNet/IP™ direct input type	EtherNet/IP™ direct input type with STO sub-function	PROFINET direct input type	PROFINET direct input type with STO sub-function	DeviceNet® direct input type	IO-Link direct input type	IO-Link direct input type with STO sub-function	CC-Link direct input type
Series	JXCE1	JXCEF	JXC91	JXC9F	JXCP1	JXCPF	JXCD1	JXCL1	JXCLF	JXCM1
Features	EtherCAT direct input type	EtherCAT direct input with STO sub-function	EtherNet/IP™ direct input	EtherNet/IP™ direct input with STO sub-function	PROFINET direct input	PROFINET direct input with STO sub-function	DeviceNet® direct input	IO-Link direct input	IO-Link direct input with STO sub-function	CC-Link direct input
Compatible motor	Step motor (Servo/24 VDC)									
Max. number of step data	64 points									
Power supply voltage	24 VDC									

SSMC

Auto
Switches

Electric
Actuators

Process Gas
Equipment

Fluid Control
Equipment

Detection
Switches

Flow Control
Equipment/
Fittings

Modular F.R.L./
Pressure Control
Equipment

Clean
Air Filters

Air Preparation
Equipment

Vacuum
Equipment

Air Grippers

Rotary
Actuators

Related
Products

Air Cylinders

Directional
Control Valves

AC Servo Motor LECS☐ Series

Electric Actuator/Slider Type
Ball Screw Drive Secondary Battery Compatible

25A-LEFS Series LEFS25, 32, 40

The LECSB-S, LECSC-S, and LECSS-S electric actuator drivers are to be discontinued. The LECSB-T, LECSC-T, and LECSS-T drivers are available as substitutes. In the product number, select T6 instead of S6, T7 instead of S7, or T8 instead of S8 for the ❹ Motor type, and select B2 instead of B1, C2 instead of C1, or S2 instead of S1 for the ⓫ Driver type.

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

CE UKCA ⒸᴿᵁˢUS RoHS

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

How to Order

25A-LEFS **H** **32** **R** **S3** **B** **–** **200** [ ] **K** **–** **S** **2** **A2** [ ]
　　　　　　❶　❷　❸　❹　❺　　　❻　　❼　❽　　❾　❿　⓫　⓬

Series compatible with secondary batteries

❶ Accuracy

Nil	Basic type
H	High-precision type

❷ Size

25
32
40

❸ Motor mounting position

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

❹ Motor type

Symbol	Type	Output [W]	Actuator size	Compatible drivers	UL-compliant
S2[*1]	AC servo motor (Incremental encoder)	100	25	LECSA☐-S1	●
S3		200	32	LECSA☐-S3	●
S4		400	40	LECSA2-S4	●
S6[*1]	AC servo motor (Absolute encoder)	100	25	LECSB☐-S5 LECSC☐-S5 LECSS☐-S5	—
S7		200	32	LECSB☐-S7 LECSC☐-S7 LECSS☐-S7	—
S8		400	40	LECSB2-S8 LECSC2-S8 LECSS2-S8	—
T6[*2]	AC servo motor (Absolute encoder)	100	25	LECSB2-T5 LECSC2-T5 LECSN2-T5-☐	—
				LECSS2-T5	●
T7		200	32	LECSB2-T7 LECSC2-T7 LECSN2-T7-☐	—
				LECSS2-T7	●
T8		400	40	LECSB2-T8 LECSC2-T8 LECSN2-T8-☐	—
				LECSS2-T8	●

*1 For motor type S2 and S6, the compatible driver part number suffixes are S1 and S5 respectively.
*2 For motor type T6, the compatible driver part number is LECS☐2-T5.

❺ Lead [mm]

Symbol	25A-LEFS25	25A-LEFS32	25A-LEFS40
A	12	16	20
B	6	8	10

❻ Stroke [mm]

50	50
to	to
1000	1000

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

❼ Motor option

Nil	Without option
B	With lock

❽ 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**.)

❿ 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.

⓬ 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**.

❾ Cable type[*1] [*2]

Nil	Without cable
S	Standard cable
R	Robotic cable (Flexible 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

⓫ 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	●	●	●
B1	LECSB1-S☐	100 to 120	●	●	—
B2	LECSB2-S☐ LECSB2-T☐	200 to 230 200 to 240	●	●	●
C1	LECSC1-S☐	100 to 120	●	●	—
C2	LECSC2-S☐ LECSC2-T☐	200 to 230	●	●	●
S1	LECSS1-S☐	100 to 120	●	●	—
S2	LECSS2-S☐ LECSS2-T☐	200 to 230 200 to 240	●	●	●
N2	LECSN2-T☐	200 to 240	●	●	●
92	LECSN2-T☐-9	200 to 240	●	●	●
E2	LECSN2-T☐-E	200 to 240	●	●	●
P2	LECSN2-T☐-P	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

* The 25A- series specifications and dimensions are the same as those of the standard model.

Applicable Stroke Table

●: Standard

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

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

Compatible Drivers[*1]

For details, refer to the **Web Catalog**.

Driver type	Pulse input type/ Positioning type	Pulse input type	CC-Link direct input type	SSCNETⅢ type	Pulse input type	CC-Link direct input type	SSCNETⅢ/H type	Network card type
Series	LECSA	LECSB	LECSC	LECSS	LECSB-T	LECSC-T	LECSS-T	LECSN-T
Number of point tables[*2]	Up to 7	—	Up to 255 (2 stations occupied)	—	Up to 255	Up to 255 (2 stations occupied)	—	Up to 255
Pulse input	○	○	—	—	○	—	—	—
Applicable network	—	—	CC-Link	SSCNETⅢ	—	CC-Link	SSCNET Ⅲ/H	PROFINET EtherCAT EtherNet/IP™
Control encoder	Incremental 17-bit encoder	Absolute 18-bit encoder	Absolute 18-bit encoder	Absolute 18-bit encoder	Absolute 22-bit encoder	Absolute 18-bit encoder	Absolute 22-bit encoder	Absolute 22-bit encoder
Communication function	USB communication	USB communication, RS422 communication	USB communication	USB communication, RS422 communication	USB communication	USB communication	USB 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)	200 to 240 VAC (50/60 Hz)

*1 Copper and zinc materials are used for the motors, cables, controllers/drivers.　*2 The LECSN-T only supports PROFINET and EtherCAT.

SMC

Electric Actuator/Slider Type
Ball Screw Drive Secondary Battery Compatible

25A-LEFS Series LEFS25, 32, 40

Refer to the Web Catalog for model selection.

LECS□ Series ▶ p. 243

CE UKCA RoHS

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

How to Order

25A-LEFS **H** **32** **R** **V7** **B** **–** **200** **K** **–** **S** **2** **M2**

❶ ❷ ❸ ❹ ❺ ❻ ❼ ❽ ❾ ❿ ⓫ ⓬

**Series compatible with
secondary batteries**

❶ Accuracy

Nil	Basic type
H	High-precision type

❷ Size

25
32
40

❸ Motor mounting position

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

❺ Lead [mm]

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

❻ Stroke [mm]

50	50
to	to
1000	1000

∗ Refer to the applicable stroke table.

❼ Motor option

Nil	Without option
B	With lock

❹ Motor type

Symbol	Type	Output [W]	Size	Compatible drivers
V6[*1]	AC servo motor (Absolute encoder)	100	25	LECYM2-V5/LECYU2-V5
V7		200	32	LECYM2-V7/LECYU2-V7
V8		400	40	LECYM2-V8/LECYU2-V8

∗1 For motor type V6, the compatible driver part number suffix is V5.

❽ Positioning pin hole

Nil	Housing B bottom[*1]	Housing B bottom
K	Body bottom 2 locations	Body bottom

∗1 Refer to the body mounting example in the **Web Catalog** for the mounting method.

⓫ Driver type

	Compatible drivers	Power supply voltage [V]
Nil	Without driver	—
M2	LECYM2-V□	200 to 230
U2	LECYU2-V□	200 to 230

❾ Cable type[*1][*2]

Nil	Without cable
S	Standard cable
R	Robotic cable (Flexible 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

⓬ 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.
Refer to the **Web Catalog** if an I/O cable is required.

❿ Cable length[*1] [m]

Nil	Without cable
3	3
5	5
A	10
C	20

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

Applicable Stroke Table

●: Standard

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

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

∗ The 25A- series specifications and dimensions are the same as those of the standard model.

Compatible Drivers

For details, refer to the Web Catalog.

Driver type	■ MECHATROLINK-Ⅱ type	■ MECHATROLINK-Ⅲ type
Series	LECYM	LECYU
Applicable network	MECHATROLINK-Ⅱ	MECHATROLINK-Ⅲ
Control encoder	Absolute 20-bit encoder	
Communication device	USB communication, RS-422 communication	
Power supply voltage [V]	200 to 230 VAC (50/60 Hz)	

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

SMC

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Directional Control Valves
Air Cylinders
Related Products
Rotary Actuators
Air Grippers
Vacuum Equipment
Air Preparation Equipment
Clean Air Filters
Modular F.R.L./ Pressure Control Equipment
Flow Control Equipment/ Fittings
Detection Switches
Fluid Control Equipment
Process Gas Equipment
Electric Actuators
Auto Switches

AC Servo Motor   **LECS☐ Series**

Electric Actuator/High Rigidity Slider Type Ball Screw Drive Secondary Battery Compatible

25A-LEJS Series   LEJS40, 63

The LECSB-S, LECSC-S, and LECSS-S electric actuator drivers are to be discontinued. The LECSB-T, LECSC-T, and LECSS-T drivers are available as substitutes. In the product number, select T6 instead of S6, or T7 instead of S7 for the ❸ **Motor type**, and select B2 instead of B1, C2 instead of C1, or S2 instead of S1 for the ❾ **Driver type**.

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

CE   UKCA   c🇺🇱us   RoHS
Refer to the "CE/UKCA/UL-compliance List" in the **Web Catalog**.

How to Order

25A-LEJS [H] [40] [S2] [A] – [500] [ ] – [ ] [ ] [ ] [ ]
　　　　　　 ❶ ❷ ❸ ❹ 　❺　 ❻ 　❼ ❽ ❾ ❿

Series compatible with secondary batteries

❶ Accuracy

Nil	Basic type
H	High-precision type

❷ Size

40
63

❸ Motor type

Symbol	Type	Output [W]	Actuator size	Compatible[*3] drivers	UL-compliant
S2[*1]	AC servo motor (Incremental encoder)	100	40	LECSA☐-S1	●
S3	AC servo motor (Incremental encoder)	200	63	LECSA☐-S3	●
S6[*1]	AC servo motor (Absolute encoder)	100	40	LECSB☐-S5 LECSC☐-S5 LECSS☐-S5	—
S7	AC servo motor (Absolute encoder)	200	63	LECSB☐-S7 LECSC☐-S7 LECSS☐-S7	—
T6[*2]	AC servo motor (Absolute encoder)	100	40	LECSB2-T5 LECSC2-T5 LECSN2-T5-☐	—
				LECSS2-T5	●
T7		200	63	LECSB2-T7 LECSC2-T7 LECSN2-T7-☐	—
				LECSS2-T7	●

*1 For motor type S2 and S6, the compatible driver part number suffixes are S1 and S5 respectively.
*2 For motor type T6, the compatible driver part number is LECS☐2-T5.

❺ Stroke [mm][*3]

200
to
1500

*3 Refer to the applicable stroke table for details.

❻ Motor option

Nil	Without option
B	With lock

❹ Lead [mm]

Symbol	25A-LEJS40	25A-LEJS63
H	24	30
A	16	20
B	8	10

❾ Driver type[*5]

	Compatible drivers	Power supply voltage [V]
Nil	Without driver	—
A1	LECSA1-S☐	100 to 120
A2	LECSA2-S☐	200 to 230
B1	LECSB1-S☐	100 to 120
B2	LECSB2-S☐	200 to 230
	LECSB2-T☐	200 to 240
C1	LECSC1-S☐	100 to 120
C2	LECSC2-S☐	200 to 230
	LECSC2-T☐	
S1	LECSS1-S☐	100 to 120
S2	LECSS-S☐	200 to 230
	LECSS-T☐	200 to 240
N2	LECSN2-T☐	200 to 240
92	LECSN2-T☐-9	200 to 240
E2	LECSN2-T☐-E	200 to 240
P2	LECSN2-T☐-P	200 to 240

*5 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

❼ Cable type[*5, *6, *7]

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

*6 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.)
*7 Standard cable entry direction is "(A) Axis side."

❽ Cable length [m][*5, *8]

Nil	Without cable
2	2
5	5
A	10

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

❿ I/O cable length [m][*9]

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

*9 When "Nil: Without driver" is selected for the driver type, only "Nil: Without cable" can be selected.
Refer to the **Web Catalog** if an I/O cable is required.

Applicable Stroke Table[*4]

●: Standard

Model \ Stroke [mm]	200	300	400	500	600	700	800	900	1000	1200	1500
25A-LEJS40	●	●	●	●	●	●	●	●	●	●	—
25A-LEJS63	—	●	●	●	●	●	●	●	●	●	●

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

* The 25A- series specifications and dimensions are the same as those of the standard model.

For auto switches, refer to page 262.

Compatible Drivers[*10]

For details, refer to the Web Catalog.

Driver type	Pulse input type/ Positioning type	Pulse input type	CC-Link direct input type	SSCNETⅢ type	Pulse input type	CC-Link direct input type	SSCNETⅢ/H type	Network card type
Series	LECSA	LECSB	LECSC	LECSS	LECSB-T	LECSC-T	LECSS-T	LECSN-T
Number of point tables[*11]	Up to 7	—	Up to 255	—	Up to 255	Up to 255 (2 stations occupied)	—	Up to 255
Pulse input	○	○	—	—	○	—	—	—
Applicable network	—	—	CC-Link	SSCNETⅢ	—	CC-Link	SSCNETⅢ/H	PROFINET EtherCAT EtherNet/IP™
Control encoder	Incremental 17-bit encoder	Absolute 18-bit encoder	Absolute 18-bit encoder	Absolute 18-bit encoder	Absolute 22-bit encoder	Absolute 18-bit encoder	Absolute 22-bit encoder	Absolute 22-bit encoder
Communication function	USB communication	USB communication, RS422 communication	USB communication	USB communication, RS422 communication	USB communication	USB communication	USB 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)	200 to 240 VAC (50/60 Hz)

*10 Copper and zinc materials are used for the motors, cables, controllers/drivers.   *11 The LECSN-T only supports PROFINET and EtherCAT.

SMC

Electric Actuator/High Rigidity Slider Type
Ball Screw Drive Secondary Battery Compatible

25A-LEJS Series LEJS40, 63

CE UKCA RoHS

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

Refer to the Web Catalog for model selection.

LECS□ **Series** ▶ p. **245**

How to Order

25A-LEJS H 40 V6 A – 500 ☐ – ☐ ☐ ☐ ☐

❶ ❷ ❸ ❹ ❺ ❻ ❼ ❽ ❾ ❿

Series compatible with secondary batteries

❶ Accuracy

Nil	Basic type
H	High-precision type

❷ Size

40
63

❸ Motor type *1

Symbol	Type	Output [W]	Actuator size	Compatible drivers
V6	AC servo motor (Absolute encoder)	100	40	LECYM2-V5 LECYU2-V5
V7	AC servo motor (Absolute encoder)	200	63	LECYM2-V7 LECYU2-V7

*1 For motor type V6, the compatible driver part number suffix is V5.

❹ Lead [mm]

Symbol	25A-LEJS40	25A-LEJS63
H	24	30
A	16	20
B	8	10

❺ Stroke [mm] *3

200
to
1500

*3 Refer to the applicable stroke table for details.

❻ Motor option

Nil	Without option
B	With lock

❼ Cable type *5, *6, *7

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

*6 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.)
*7 Standard cable entry direction is "(A) Axis side."

❽ Cable length [m] *5, *6

Nil	Without cable
3	3
5	5
A	10
C	20

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

❾ Driver type *5

	Compatible drivers	Power supply voltage [V]
Nil	Without driver	—
M2	LECYM2-V□	200 to 230
U2	LECYU2-V□	200 to 230

*5 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

❿ I/O cable length [m] *9

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

*9 When "Nil: Without driver" is selected for the driver type, only "Nil: Without cable" can be selected.
Refer to the **Web Catalog** if an I/O cable is required.

Applicable Stroke Table *4

●: Standard

Model \ Stroke [mm]	200	300	400	500	600	700	800	900	1000	1200	1500
25A-LEJS40	●	●	●	●	●	●	●	●	●	●	—
25A-LEJS63	—	●	●	●	●	●	●	●	●	●	●

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

Solid state auto switches should be ordered separately. For details on auto switches, refer to page 262.

Applicable auto switches
D-M9N(V)-900, D-M9P(V)-900, D-M9B(V)-900
D-M9NW(V)-900, D-M9PW(V)-900, D-M9BW(V)-900

* The 25A- series specifications and dimensions are the same as those of the standard model.

Compatible Drivers

For details, refer to the Web Catalog.

Driver type	MECHATROLINK-Ⅱ type	MECHATROLINK-Ⅲ type
Series	LECYM	LECYU
Applicable network	MECHATROLINK-Ⅱ	MECHATROLINK-Ⅲ
Control encoder	Absolute 20-bit encoder	
Communication device	USB communication, RS-422 communication	
Power supply voltage [V]	200 to 230 VAC (50/60 Hz)	

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

SMC

246

Side tabs (right margin):
Directional Control Valves
Air Cylinders
Related Products
Rotary Actuators
Air Grippers
Vacuum Equipment
Air Preparation Equipment
Clean Air Filters
Modular F.R.L./ Pressure Control Equipment
Flow Control Equipment/ Fittings
Detection Switches
Fluid Control Equipment
Process Gas Equipment
Electric Actuators
Auto Switches

Step Motor (Servo/24 VDC)   Servo Motor (24 VDC)

Electric Actuator
Rod Type Secondary Battery Compatible

CE UKCA c⽤us

Refer to the "CE/UKCA/UL-compliance List" in the **Web Catalog**.
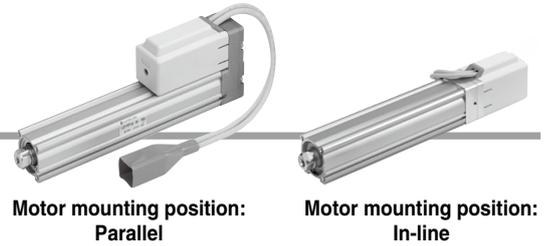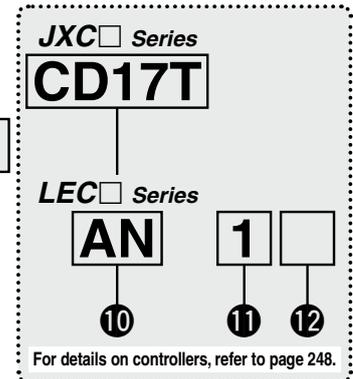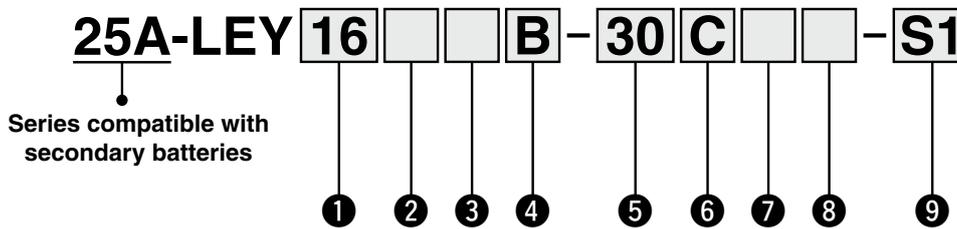
25A-LEY Series LEY16, 25, 32, 40

RoHS

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

Motor mounting position: **Parallel**

Motor mounting position: **In-line**

How to Order

25A-LEY | 16 | | | B | – | 30 | C | | | – | S1

Series compatible with secondary batteries

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

JXC☐ Series

CD17T

LEC☐ Series

AN | 1 |

⑩ ⑪ ⑫

For details on controllers, refer to page 248.

❶ Size

| 16 |
| 25 |
| 32 |
| 40 |

❷ Motor mounting position

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

❸ Motor type

Symbol	Type	Applicable size			Compatible controllers/ drivers
		LEY16	LEY25	LEY32/40	
Nil	Step motor (Servo/24 VDC)	●	●	●	JXC51 JXCD1 JXCPF JXC61 JXCL1 JXCLF JXCE1 JXCM1 JXC91 JXCEF LECP1 JXCP1 JXC9F LECPA
A	Servo motor (24 VDC)	●	●	—	LECA6

❹ Lead [mm]

Symbol	**LEY16**	**LEY25**	**LEY32/40**
A	10	12	16
B	5	6	8
C	2.5	3	4

❺ Stroke [mm]

30	30
to	to
500	500

∗ For details, refer to the applicable stroke table below.

❻ Motor option*2

| C | With motor cover |
| W | With lock/motor cover |
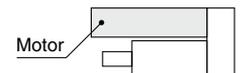
Motor

❼ Rod end thread

| Nil | Rod end female thread |
| M | Rod end male thread (1 rod end nut is included.) |

❽ Mounting*5

Symbol	Type	Motor mounting position	
		Parallel	In-line
Nil	Ends tapped/Body bottom tapped*6	●	●
L	Foot	●	—
F	Rod flange*6	●*8	●
G	Head flange*6	●*9	—
D	Double clevis*7	●	—

❾ Actuator cable type/length*11

Standard cable [m]

Nil	None
S1	1.5*12
S3	3*12
S5	5*12

Robotic cable [m]

R1	1.5	RA	10*10
R3	3	RB	15*10
R5	5	RC	20*10
R8	8*10		

Mounting Bracket Part Nos. for the 25A- Series*4

Applicable size	Foot*3	Flange	Double clevis
16	25-LEY-L016	25-LEY-F016	25-LEY-D016
25	25-LEY-L025	25-LEY-F025	25-LEY-D025
32, 40	25-LEY-L032	25-LEY-F032	25-LEY-D032
Surface treatment	RAYDENT®	RAYDENT®	Coating (Size 16: Electroless nickel plating)

Solid state auto switches should be ordered separately. For details on auto switches, refer to page 262.

Applicable auto switches
D-M9N(V)-900, D-M9P(V)-900, D-M9B(V)-900
D-M9NW(V)-900, D-M9PW(V)-900, D-M9BW(V)-900

Applicable Stroke Table*1

● : Standard

Model \ Stroke [mm]	30	50	100	150	200	250	300	350	400	450	500	Manufacturable stroke range
25A-LEY16	●	●	●	●	●	●	●	—	—	—	—	10 to 300
25A-LEY25	●	●	●	●	●	●	●	●	●	—	—	15 to 400
25A-LEY32/40	●	●	●	●	●	●	●	●	●	●	●	20 to 500

∗ The 25A- series specifications and dimensions are the same as those of the standard model.

For details, refer to the Web Catalog.

Ⓐ 247

⬢**SMC**

Step Motor (Servo/24 VDC)　Servo Motor (24 VDC)　Secondary Battery Compatible

JXC☐ Series (For details, refer to page 249.)

❿ Controller

Nil	Without controller
C☐1☐☐	With controller

C D 1 7 T

Interface (Communication protocol/Input/Output)

Symbol	Type	Number of axes, Special specification	
		Standard	With STO sub-function
5	Parallel input (NPN)	●	
6	Parallel input (PNP)	●	
E	EtherCAT	●	●
9	EtherNet/IP™	●	●
P	PROFINET	●	●
D	DeviceNet®	●	
L	IO-Link	●	●
M	CC-Link	●	

● Mounting

7	Screw mounting
8*17	DIN rail

● Number of axes, Special specification

Symbol	Number of axes	Specification
1	Single axis	Standard
F	Single axis	With STO sub-function

● Communication plug connector, I/O cable*18

Symbol	Type	Applicable interface
Nil	Without accessory	—
S	Straight type communication plug connector	DeviceNet® CC-Link Ver. 1.10
T	T-branch type communication plug connector	
1	I/O cable (1.5 m)	Parallel input (NPN) Parallel input (PNP)
3	I/O cable (3 m)	
5	I/O cable (5 m)	

LEC☐ Series (For details, refer to page 249.)

AN 1 ☐

❿　⓫　⓬

❿ Controller/Driver type*12

Nil	Without controller/driver	
6N	LECA6	NPN
6P	(Step data input type)	PNP
1N	LECP1*13	NPN
1P	(Programless type)	PNP
AN	LECPA*13 *14	NPN
AP	(Pulse input type)	PNP

⓫ I/O cable length*15

Nil	Without cable (Without communication plug connector)
1	1.5 m
3	3 m*16
5	5 m*16

⓬ Controller/Driver mounting

Nil	Screw mounting
D	DIN rail*17

*1 Please contact SMC for non-standard strokes as they are produced as special orders.
*2 When "With lock" or "With lock/motor cover" is selected for the top/right/left side parallel motor types, the motor body will stick out from the end of the body for size 16/40 with strokes of 30 mm or less. Check for interference with workpieces before selecting a model.
*3 When ordering foot brackets, order 2 pieces per actuator.
*4 Parts included with each type of bracket are as follows.
　Foot, Flange: Body mounting bolt, Double clevis: Clevis pin, Type C retaining ring for axis, Body mounting bolt
*5 The mounting bracket is shipped together with the product but does not come assembled.
*6 For the horizontal cantilever mounting of the rod flange, head flange, or ends tapped types, use the actuator within the following stroke range.
　·LEY25: 200 mm or less　·LEY32/40: 100 mm or less
*7 For the mounting of the double clevis type, use the actuator within the following stroke range.
　·LEY16: 100 mm or less　·LEY25: 200 mm or less　·LEY32/40: 200 mm or less
*8 The rod flange type is not available for the LEY16/40 with a 30 mm stroke and motor option "With lock," "With lock/motor cover."
*9 The head flange type is not available for the LEY32/40.
*10 Produced upon receipt of order (Robotic cable only)

*11 The standard cable should only be used on fixed parts.
　For use on moving parts, select the robotic cable.
　Refer to the **Web Catalog** if only the actuator cable is required.
*12 For details on controllers/drivers and compatible motors, refer to the compatible controllers/drivers on the next page.
*13 Only available for the motor type "Step motor"
*14 When pulse signals are open collector, order the current limiting resistor (LEC-PA-R-☐) separately. (Refer to the **Web Catalog**.)
*15 When "Without controller/driver" is selected for controller/driver types, I/O cable cannot be selected. If an I/O cable is required, order the cable separately for each series. (For details, refer to the **Web Catalog**.)
*16 When "Pulse input type" is selected for controller/driver types, pulse input usable only with differential. Only 1.5 m cables usable with open collector
*17 The DIN rail is not included. It must be ordered separately.
*18 Select "Nil" for anything other than DeviceNet®, CC-Link, or parallel input.
　Select "Nil," "S," or "T" for DeviceNet® or CC-Link.
　Select "Nil," "1," "3," or "5" for parallel input.

⚠Caution

[CE/UKCA-compliant products]
① EMC compliance was tested by combining the electric actuator LEY series and the controller LEC/JXC series.
The EMC depends on the configuration of the customer's control panel and the relationship with other electrical equipment and wiring. Therefore, compliance with the EMC directive cannot be certified for SMC components incorporated into the customer's equipment under actual operating conditions. As a result, it is necessary for the customer to verify compliance with the EMC directive for the machinery and equipment as a whole.
② For the servo motor (24 VDC) specification, EMC compliance was tested by installing a noise filter set (LEC-NFA). Refer to the **Web Catalog** for the noise filter set. Refer to the LECA series Operation Manual for installation.

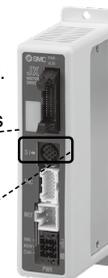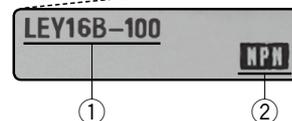**[UL-compliant products (For the LEC series)]**
When compliance with UL is required, the electric actuator and controller/driver should be used with a UL1310 Class 2 power supply.

The actuator and controller/driver are sold as a package.
Confirm that the combination of the controller/driver and actuator is correct.
<Check the following before use.>
① Check the actuator label for the model number (after "25A-"). This number should match that of the controller/driver.
② Check that the Parallel I/O configuration matches (NPN or PNP).

LEY16B–100　　NPN
①　　②

* Refer to the Operation Manual for using the products. Please download it via our website: https://www.smcworld.com

Directional Control Valves
Air Cylinders
Related Products
Rotary Actuators
Air Grippers
Vacuum Equipment
Air Preparation Equipment
Clean Air Filters
Modular F.R.L./Pressure Control Equipment
Flow Control Equipment/Fittings
Detection Switches
Fluid Control Equipment
Process Gas Equipment
Electric Actuators
Auto Switches

25A-LEY Series

Step Motor (Servo/24 VDC) Servo Motor (24 VDC) Secondary Battery Compatible

Compatible Controllers/Drivers

Type	Step data input type	Step data input type	Programless type	Pulse input type
Series	JXC51 JXC61	LECA6	LECP1	LECPA
Features	Parallel I/O	Parallel I/O	Capable of setting up operation (step data) without using a PC or teaching box	Operation by pulse signals
Compatible motor	Step motor (Servo/24 VDC)	Servo motor (24 VDC)	Step motor (Servo/24 VDC)	
Max. number of step data	64 points		14 points	—
Power supply voltage	24 VDC			

Type	EtherCAT direct input type	EtherCAT direct input type with STO sub-function	EtherNet/IP™ direct input type	EtherNet/IP™ direct input type with STO sub-function	PROFINET direct input type	PROFINET direct input type with STO sub-function	DeviceNet® direct input type	IO-Link direct input type	IO-Link direct input type with STO sub-function	CC-Link direct input type
Series	JXCE1	JXCEF	JXC91	JXC9F	JXCP1	JXCPF	JXCD1	JXCL1	JXCLF	JXCM1
Features	EtherCAT direct input	EtherCAT direct input with STO sub-function	EtherNet/IP™ direct input	EtherNet/IP™ direct input with STO sub-function	PROFINET direct input	PROFINET direct input with STO sub-function	DeviceNet® direct input	IO-Link direct input	IO-Link direct input with STO sub-function	CC-Link direct input
Compatible motor	Step motor (Servo/24 VDC)									
Max. number of step data	64 points									
Power supply voltage	24 VDC									

SMC

Electric Actuator Rod Type Secondary Battery Compatible
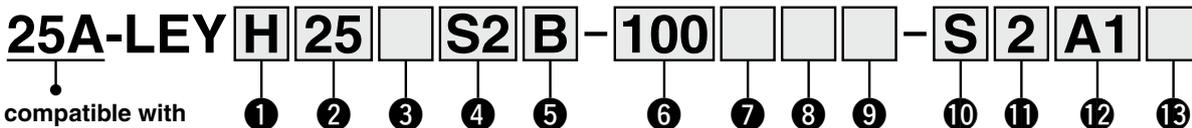
25A-LEY Series LEY25, 32 Size 25, 32 RoHS

The LECSB-S, LECSC-S, and LECSS-S electric actuator drivers are to be discontinued. The LECSB-T, LECSC-T, and LECSS-T drivers are available as substitutes. In the product number, select T6 instead of S6, or T7 instead of S7 for the ❹ Motor type, and select B2 instead of B1, C2 instead of C1, or S2 instead of S1 for the ⓬ Driver type.

CE UK CA c UL us
Refer to the "CE/UKCA/UL-compliance List" in the **Web Catalog**.

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

How to Order

25A-LEY H 25 ☐ S2 B − 100 ☐ ☐ − S2 A1 ☐
❶ ❷ ❸ ❹ ❺ ❻ ❼ ❽ ❾ ❿ ⓫ ⓬ ⓭

Series compatible with secondary batteries

❶ Accuracy

| Nil | Basic type |
| H | High-precision type |

❷ Size

| 25 |
| 32 |

❸ Motor mounting position

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

❺ Lead [mm]

Symbol	**LEY25**	**LEY32**[*1]
A	12	16 (20)
B	6	8 (10)
C	3	4 (5)

[*1] The values shown in ( ) are the leads for the size 32 top/right/left side parallel motor types. (Equivalent leads which include the pulley ratio [1.25:1])

❻ Stroke [mm]

30	30
to	to
500	500

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

❽ Rod end thread

| Nil | Rod end female thread |
| M | Rod end male thread (1 rod end nut is included.) |

❹ Motor type[*1]

Symbol	Type	Output [W]	Actuator size	Compatible drivers[*3]	UL-compliant
S2[*1]	AC servo motor (Incremental encoder)	100	25	LECSA□-S1	●
S3		200	32	LECSA□-S3	●
S6[*1]	AC servo motor (Absolute encoder)	100	25	LECSB□-S5 LECSC□-S5 LECSS□-S5	—
S7		200	32	LECSB□-S7 LECSC□-S7 LECSS□-S7	—
T6[*2]	AC servo motor (Absolute encoder)	100	25	LECSB2-T5 LECSC2-T5 LECSN2-T5-□	—
				LECSS2-T5	●
T7		200	32	LECSB2-T7 LECSC2-T7 LECSN2-T7-□	—
				LECSS2-T7	●

[*1] For motor type S2 and S6, the compatible driver part number suffixes are S1 and S5 respectively.
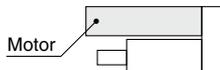[*2] For motor type T6, the compatible driver part number is LECS□2-T5.
[*3] For details on the driver, refer to the **Web Catalog**.

❼ Motor option

| Nil | Without option |
| B | With lock[*1] |

[*1] When "With lock" is selected for the top/right/left side parallel motor types, the motor body will stick out from the end of the body for size 25 with strokes of 30 mm or less. Check for interference with workpieces before selecting a model.

Motor

❾ Mounting[*1]

| Symbol | Type | Motor mounting position | |
		Parallel	In-line
Nil	Ends tapped/ Body bottom tapped[*2]	●	●
L	Foot	●	—
F	Rod flange[*2]	●[*4]	●
G	Head flange[*2]	●[*5]	—
D	Double clevis[*3]	●	—

[*1] The mounting bracket is shipped together with the product but does not come assembled.
[*2] For the horizontal cantilever mounting of the rod flange, head flange, or ends tapped types, use the actuator within the following stroke range.
· 25A-LEY25: 200 mm or less
· 25A-LEY32: 100 mm or less
[*3] For the mounting of the double clevis type, use the actuator within the following stroke range.
· 25A-LEY25: 200 mm or less
· 25A-LEY32: 200 mm or less
[*4] The rod flange type is not available for the 25A-LEY25 with a 30 mm stroke and motor option "With lock."
[*5] The head flange type is not available for the 25A-LEY32.

Mounting Bracket Part Nos. for the 25A- Series

Applicable size	Foot[*1]	Flange	Double clevis
25	25-LEY-L025	25-LEY-F025	25-LEY-D025
32	25-LEY-L032	25-LEY-F032	25-LEY-D032
Surface treatment	RAYDENT®	RAYDENT®	Coating (Size 16: Electroless nickel plating)

[*1] When ordering foot brackets, order 2 pieces per actuator.
* Parts included with each type of bracket are as follows.
Foot, Flange: Body mounting bolt, Double clevis: Clevis pin, Type C retaining ring for axis, Body mounting bolt

Applicable Stroke Table

●: Standard

Model \ Stroke [mm]	30	50	100	150	200	250	300	350	400	450	500	Manufacturable stroke range [mm]
25A-LEY25	●	●	●	●	●	●	●	●	●	—	—	15 to 400
25A-LEY32	●	●	●	●	●	●	●	●	●	●	●	20 to 500

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

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

Solid state auto switches should be ordered separately. For details on auto switches, refer to page 262.
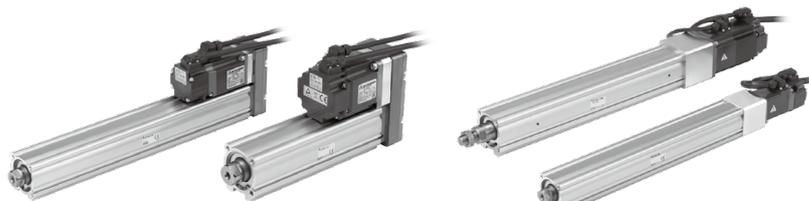
Applicable auto switches
D-M9N(V)-900, D-M9P(V)-900, D-M9B(V)-900
D-M9NW(V)-900, D-M9PW(V)-900, D-M9BW(V)-900

SMC

Motor mounting position:
Parallel

Motor mounting position:
In-line

Directional Control Valves

Air Cylinders

Related Products

Rotary Actuators

Air Grippers

Vacuum Equipment

Air Preparation Equipment

Clean Air Filters

Modular F.R.L./ Pressure Control Equipment

Flow Control Equipment/ Fittings

Detection Switches

Fluid Control Equipment

Process Gas Equipment

Electric Actuators

Auto Switches

⑩ Cable type[*1][*2]

Nil	Without cable
S	Standard cable
R	Robotic cable (Flexible 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

⑬ I/O cable length [m][*1]

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

[*1] When "Nil: Without driver" is selected for the driver type, only "Nil: Without cable" can be selected.
Refer to the **Web Catalog** if an I/O cable is required.

⑪ 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.

⑫ Driver type[*1]

	Compatible drivers	Power supply voltage [V]
Nil	Without driver	—
A1	LECSA1-S□	100 to 120
A2	LECSA2-S□	200 to 230
B1	LECSB1-S□	100 to 120
B2	LECSB2-S□	200 to 230
B2	LECSB2-T□	200 to 240
C1	LECSC1-S□	100 to 120
C2	LECSC2-S□	200 to 230
C2	LECSC2-T□	200 to 230
S1	LECSS1-S□	100 to 120
S2	LECSS2-S□	200 to 230
S2	LECSS2-T□	200 to 240
N2	LECSN2-T□	200 to 240
92	LECSN2-T□-9	200 to 240
E2	LECSN2-T□-E	200 to 240
P2	LECSN2-T□-P	200 to 240

[*1] 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

Compatible Drivers[*1]

Driver type	Pulse input type/ Positioning type	Pulse input type	CC-Link direct input type	SSCNETⅢ type	Pulse input type	CC-Link direct input type	SSCNETⅢ/H type	Network card type
Series	**LECSA**	**LECSB**	**LECSC**	**LECSS**	**LECSB-T**	**LECSC-T**	**LECSS-T**	**LECSN-T**
Number of point tables[*2]	Up to 7	—	Up to 255 (2 stations occupied)	—	Up to 255	Up to 255 (2 stations occupied)	—	Up to 255
Pulse input	○	○	—	—	○	—	—	—
Applicable network	—	—	CC-Link	SSCNETⅢ	—	CC-Link	SSCNETⅢ/H	PROFINET EtherCAT EtherNet/IP™
Control encoder	Incremental 17-bit encoder	Absolute 18-bit encoder	Absolute 18-bit encoder	Absolute 18-bit encoder	Absolute 22-bit encoder	Absolute 18-bit encoder	Absolute 22-bit encoder	Absolute 22-bit encoder
Communication function	USB communication	USB communication, RS422 communication	USB communication	USB communication, RS422 communication	USB communication	USB communication	USB 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)	200 to 240 VAC (50/60 Hz)

[*1] Copper and zinc materials are used for the motors, cables, controllers/drivers.
[*2] The LECSN-T only supports PROFINET and EtherCAT.
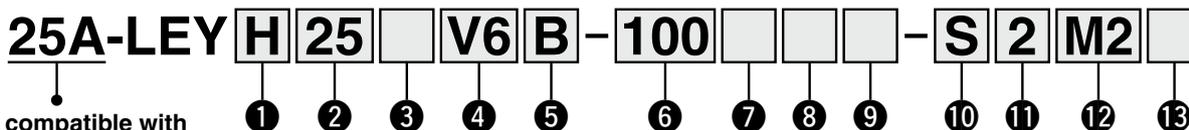
SMC

Electric Actuator Rod Type Secondary Battery Compatible

25A-LEY Series LEY25, 32 Size 25, 32

CE UKCA RoHS

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

How to Order

25A-LEY H 25 □ V6 B − 100 □ □ − S 2 M2 □

❶ ❷ ❸ ❹ ❺ ❻ ❼ ❽ ❾ ❿ ⓫ ⓬ ⓭

Series compatible with secondary batteries

❶ Accuracy

Nil	Basic type
H	High-precision type

❷ Size

25
32

❸ Motor mounting position

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

❹ Motor type

Symbol	Type	Output [W]	Size	Compatible drivers
V6*1	AC servo motor (Absolute encoder)	100	25	LECYM2-V5 LECYU2-V5
V7		200	32	LECYM2-V7 LECYU2-V7

∗1 For motor type V6, the compatible driver part number suffix is V5.

❺ Lead [mm]

Symbol	25A-LEY25	25A-LEY32*1
A	12	16 (20)
B	6	8 (10)
C	3	4 (5)

∗1 The values shown in ( ) are the leads for the size 32 top/right/left side parallel motor types. (Equivalent leads which include the pulley ratio [1.25:1])
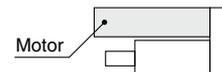
❻ Stroke [mm]

30	30
to	to
500	500

∗ For details, refer to the applicable stroke table below.

❼ Motor option

Nil	Without option
B	With lock*1

∗1 When "With lock" is selected for the top/right/left side parallel motor types, the motor body will stick out from the end of the body for size 25 with strokes of 30 mm or less. Check for interference with workpieces before selecting a model.

Motor

❽ Rod end thread

Nil	Rod end female thread
M	Rod end male thread (1 rod end nut is included.)

❾ Mounting*1

Symbol	Type	Motor mounting position	
		Parallel	In-line
Nil	Ends tapped/ Body bottom tapped *2	●	●
L	Foot	●	—
F	Rod flange*2	●*4	●
G	Head flange*2	●*5	—
D	Double clevis*3	●	—

∗1 The mounting bracket is shipped together with the product but does not come assembled.
∗2 For the horizontal cantilever mounting of the rod flange, head flange, or ends tapped types, use the actuator within the following stroke range.
· LEY25: 200 mm or less   · LEY32: 100 mm or less
∗3 For the mounting of the double clevis type, use the actuator within the following stroke range.
· LEY25: 200 mm or less   · LEY32: 200 mm or less
∗4 The rod flange type is not available for the LEY25 with a 30 mm stroke and motor option "With lock."
∗5 The head flange type is not available for the LEY32.

Mounting Bracket Part Nos. for the 25A- Series

Applicable size	Foot*1	Flange	Double clevis
25	25-LEY-L025	25-LEY-F025	25-LEY-D025
32	25-LEY-L032	25-LEY-F032	25-LEY-D032
Surface treatment	RAYDENT®	RAYDENT®	Coating (Size 16: Electroless nickel plating)

∗1 When ordering foot brackets, order 2 pieces per actuator.
∗ Parts included with each type of bracket are as follows.
Foot, Flange: Body mounting bolt, Double clevis: Clevis pin, Type C retaining ring for axis, Body mounting bolt

Solid state auto switches should be ordered separately. For details on auto switches, refer to page 262.

Applicable auto switches
D-M9N(V)-900, D-M9P(V)-900, D-M9B(V)-900
D-M9NW(V)-900, D-M9PW(V)-900, D-M9BW(V)-900

Applicable Stroke Table

●: Standard

Model	Stroke [mm]	30	50	100	150	200	250	300	350	400	450	500	Manufacturable stroke range [mm]
25A-LEY25		●	●	●	●	●	●	●	●	●	—	—	15 to 400
25A-LEY32		●	●	●	●	●	●	●	●	●	●	●	20 to 500

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

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

SMC

Motor mounting position:
Parallel

Motor mounting position:
In-line

⑩ **Cable type**＊1 ＊2

Nil	Without cable
S	Standard cable
R	Robotic cable (Flexible 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

⑪ **Cable length [m]**＊1

Nil	Without cable
3	3
5	5
A	10
C	20

＊1 The length of the motor and encoder cables
  are the same. (For with lock)

⑫ **Driver type**

	Compatible drivers	Power supply voltage [V]
Nil	Without driver	—
M2	LECYM2-V□	200 to 230
U2	LECYU2-V□	200 to 230

＊ When a driver type is selected, a cable is
  included. Select the cable type and cable
  length.

⑬ **I/O cable length [m]**＊1

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

＊1 When "Nil: Without driver" is selected for the
  driver type, only "Nil: Without cable" can be
  selected.
  Refer to the **Web Catalog** if an I/O cable is
  required.

Compatible Drivers

Driver type	MECHATROLINK-Ⅱ type	MECHATROLINK-Ⅲ type
Series	**LECYM**	**LECYU**
Applicable network	MECHATROLINK-Ⅱ	MECHATROLINK-Ⅲ
Control encoder	Absolute 20-bit encoder	
Communication device	USB communication, RS-422 communication	
Power supply voltage [V]	200 to 230 VAC (50/60 Hz)	

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

Directional Control Valves
Air Cylinders
Related Products
Rotary Actuators
Air Grippers
Vacuum Equipment
Air Preparation Equipment
Clean Air Filters
Modular F.R.L./ Pressure Control Equipment
Flow Control Equipment/ Fittings
Detection Switches
Fluid Control Equipment
Process Gas Equipment
Electric Actuators
Auto Switches