

# Electric Actuator/Rod Type

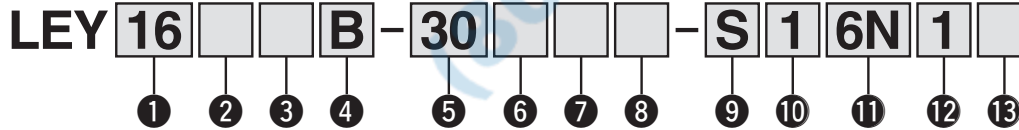
Step Motor (Servo/24 VDC) Servo Motor (24 VDC)

## Series LEY

### LEY16, 25, 32



### How to Order



#### ① Size

16
25
32

#### ④ Lead [mm]

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

#### ⑥ Motor option\*1

Nil	Without option
C	With motor cover
B	With lock*2

\*1 When [With lock] is selected, [With motor cover] cannot be selected.

\*2 For 30 stroke or less of size 16 with [Motor mounting position: Top mounting type or right/left side parallel type], when [With lock] is selected, the motor projects through the end of the body.

Select after confirming interface with such as work pieces.

#### ② Motor mounting position

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

#### ⑤ Stroke [mm]

30	30
to	to
500	500

\* Refer to the applicable stroke table.

#### ⑦ Rod end thread

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

#### ③ Motor type

Symbol	Type	Size			Compatible controller
		LEY16	LEY25	LEY32	
Nil	Step motor (Servo/24 VDC)	●	●	●	LECP6 LECP1
A	Servo motor <sup>Note 1)</sup> (24 VDC)	●	●	—	LECA6

#### ⚠ Caution

Note 1) CE-compliant products

① EMC compliance was tested by combining the electric actuator LEY series and the controller LEC series. The EMC depends on the configuration of the customer's control panel and the relationship with other electrical equipment and wiring. Therefore conformity to 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 conformity to 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 page 47 for the noise filter set. Refer to the LECA Operation Manual for installation.

#### \* Applicable stroke table

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

\* Consult with SMC for the manufacture of intermediate strokes other than those specified on the above.

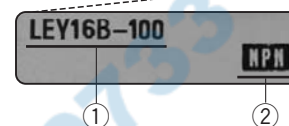
Refer to pages 17 and 18 for auto switches.

**The actuator and controller are sold as a package.** (Controller → Pages 39 and 51)

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

<Check the following before use.>

- ① Check that actuator label for model number. This matches the controller.
- ② Check Parallel I/O configuration matches (NPN or PNP).



\* Refer to the operation manual for using the products. Please download it via our website. <http://www.smcworld.com>

# Electric Actuator/Rod Type **Series LEY**



Motor mounting position:  
Parallel

Motor mounting position:  
In-line

Model Selection

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

LEY

LEYG

LECA6 / LECP6

LECP1

AC Servo Motor

LEY

LECSA / LECSB

Specific Product Precautions

## 8 Mounting\*1

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

\*1. Mounting bracket is shipped together, (but not assembled).

\*2. When mounting types are [Rod flange], [Head flange] or [Ends tapped] with horizontal cantilever, use it within the following stroke.

- LEY25: 200 or less
- LEY32: 100 or less

\*3. In case of [Double clevis], use the actuator within the following stroke limit.

- LEY16: 100 or less
- LEY25: 200 or less
- LEY32: 200 or less

\*4. "G" Head flange is not available for LEY32.

## 9 Actuator cable type\*1

Nil	Without cable
S	Standard cable*2
R	Robotic cable (Flexible cable)

\*1. The standard cable should be used on fixed parts. For using on moving parts, select the robotic cable.

\*2. Only available for the motor type "Step motor."

## 10 Actuator cable length [m]

Symbol	Without cable
Nil	
1	1.5
3	3
5	5
8	8*
A	10*
B	15*
C	20*

\* Produced upon receipt of order (Robotic cable only)  
Refer to the specifications Note 5) on page 7.

## 11 Controller type\*1

Symbol	Without controller	
6N	LECP6/LECA6	NPN
6P	(Step data input type)	PNP
1N	LECP1*2	NPN
1P	(Programless type)	PNP

\*1. For details of controllers and compatible motors, refer to the compatible controllers below.

\*2. Only available for the motor type "Step motor."

## 12 I/O cable length [m]

Symbol	Without cable
Nil	
1	1.5*
3	3*
5	5*

\* If "Without controller" is selected for controller types, I/O cable is not included. Refer to page 47 (LECP6/LECA6) or page 57 (LECP1) if I/O cable is required.




## 13 Controller mounting

Nil	Screw mounting
D	DIN rail mounting*1, 2

\*1. Only available for the controller types "6N" and "6P."

\*2. DIN rail is not included. Order it separately.

## Compatible controllers

Type	Step data input type	Step data input type	Programless type
			
Series	LECP6	LECA6	LECP1
Feature(s)	Value input Standard controller		Capable of setting up operation without using a PC or teaching box
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		
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