

# Electric Actuator/Slider Type Ball Screw Drive



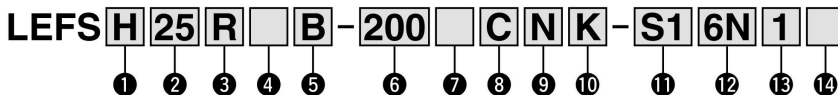
## LEFS Series LEFS16, 25, 32, 40

Applicable to the LEC□ series

Clean Room Specification ▶ Page 514 Secondary Battery Compatible ▶ Page 538

Refer to page 63-1 for the communication protocols Ether-CAT®, EtherNet/IP™, PROFINET, DeviceNet™, and IO-Link.

### How to Order



#### 1 Accuracy

Nii	Basic type
H	High precision type

#### 2 Size

16
25
32
40

#### 3 Motor mounting position

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

#### 4 Motor type

Symbol	Type	Applicable size				Compatible controller/driver
		LEFS16	LEFS25	LEFS32	LEFS40	
Nii	Step motor (Servo/24 VDC)	●	●	●	●	LECP6 LECP1 LECPA LECPMJ
A	Servo motor (24 VDC)	●	●	—	—	LECA6

#### 5 Lead [mm]

Symbol	LEFS16	LEFS25	LEFS32	LEFS40
H	—	20	24	30
A	10	12	16	20
B	5	6	8	10

#### 6 Stroke [mm]

50	50
to	to
1200	1200

#### 7 Motor option

Nii	Without option
B	With lock

\* Refer to the applicable stroke table.

#### 8 Auto switch mounting bracket\*

Nii	None
C	With 1 pc. (Included)

- \* Excluding the LEF16
- \* If 2 or more are required, please order them separately. (Part no.: LEF-D-2-1. For details, refer to page 112-1.)
- \* Order auto switches separately. (For details, refer to pages 112-2 and 112-3.)
- \* If "Nii" is selected, the auto switch mounting bracket cannot be secured.

#### 9 Grease application (Seal band part)

Nii	With
N	Without (Roller specification)

### ⚠ Caution

#### [CE-compliant products]

- EMC compliance was tested by combining the electric actuator LEF 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.
- For the servo motor (24 VDC) specification, EMC compliance was tested by installing a noise filter set (LEC-NFA). Refer to page 568 for the noise filter set. Refer to the LECA series Operation Manual for installation.
- CC-Link direct input type (LECPMJ) is not CE-compliant.

#### [UL-compliant products]

When conformity to UL is required, the electric actuator and controller/driver should be used with a UL1310 Class 2 power supply.

#### Applicable Stroke Table

Model	Stroke [mm]												Standard	Manufacturable stroke range [mm]										
	50	100	150	200	250	300	350	400	450	500	550	600			650	700	750	800	850	900	950	1000	1100	1200
LEFS16	●	●	●	●	●	●	●	●	●	●	—	—	—	—	—	—	—	—	—	—	—	—	—	50 to 500
LEFS25	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	—	—	—	50 to 800
LEFS32	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	—	—	50 to 1000
LEFS40	—	—	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	150 to 1200

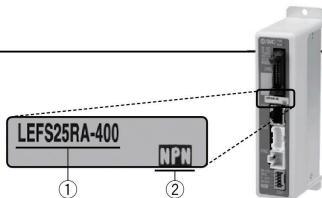
\* Please consult with SMC for non-standard strokes as they are produced as special orders.

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

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

<Check the following before use.>

- Check the actuator label for model number. This matches the controller/driver.
- 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>