

Compatible actuators

LEF	LEL	LEM
LEY	LES	LEP
LER	LEH	

* Not compatible with the LECA6.

Controller (Step Data Input Type) Step Motor (Servo/24 VDC) LECP6 Series Servo Motor (24 VDC) LECA6 Series

LECP6 Series LECA6 Series



How to Order

Caution

[CE-compliant products]

① EMC compliance was tested by combining the electric actuator LE 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 LECA6 series (servo motor controller), 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 Operation Manual for installation.

[UL-compliant products]

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

LECP6N

Controller

Compatible motor

P	Step motor (Servo/24 VDC)
A	Servo motor (24 VDC)

Number of step data (Points)

6	64
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Parallel I/O type

N	NPN
P	PNP

Actuator part number

Part number except cable specifications and actuator options

Example: Enter "LEFS16A-400" for the LEFS16A-400B-R16N1.

BC Blank controller (Note)

(Note) The dedicated software (LEC-BCW) is required.

Option

Nil	Screw mounting
D (Note)	DIN rail mounting

(Note) DIN rail is not included. Order it separately.

I/O cable length [m]

Nil	Without cable
1	1.5
3	3
5	5

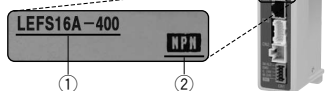
* When controller equipped type is selected when ordering the LE series, you do not need to order this controller.

The controller is sold as single unit after the compatible actuator is set.

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

<Check the following before use.>

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



Precautions on blank controller (LECP6-BC)

Blank controller is a controller to which the customer can write the data of the actuator to be combined and used. Use the dedicated software (LEC-BCW) for data writing.

- Please download the dedicated software (LEC-BCW) via our website.
- Order the controller setting kit (LEC-W2) separately to use this software.

SMC website

<http://www.smcworld.com>

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

Specifications

Basic Specifications

Item	LECP6	LECA6
Compatible motor	Step motor (Servo/24 VDC)	Servo motor (24 VDC)
Power supply ^{Note 1)}	Power voltage: 24 VDC $\pm 10\%$ ^{Note 2)} [Including motor drive power, control power, stop, lock release]	Power voltage: 24 VDC $\pm 10\%$ ^{Note 2)} [Including motor drive power, control power, stop, lock release]
Parallel input	11 inputs (Photo-coupler isolation)	
Parallel output	13 outputs (Photo-coupler isolation)	
Compatible encoder	Incremental A/B phase (800 pulse/rotation)	Incremental A/B (800 pulse/rotation)/Z phase
Serial communication	RS485 (Modbus protocol compliant)	
Memory	EEPROM	
LED indicator	LED (Green/Red) one of each	
Lock control	Forced-lock release terminal ^{Note 3)}	
Cable length [m]	I/O cable: 5 or less, Actuator cable: 20 or less	
Cooling system	Natural air cooling	
Operating temperature range [°C]	0 to 40 (No freezing)	
Operating humidity range [%RH]	90 or less (No condensation)	
Storage temperature range [°C]	-10 to 60 (No freezing)	
Storage humidity range [%RH]	90 or less (No condensation)	
Insulation resistance [M Ω]	Between the housing and SG terminal: 50 (500 VDC)	
Weight [g]	150 (Screw mounting), 170 (DIN rail mounting)	

Note 1) Do not use the power supply of "inrush current prevention type" for the controller power supply. When conformity to UL is required, the electric actuator and controller should be used with a UL1310 Class 2 power supply.

Note 2) The power consumption changes depending on the actuator model. Refer to the specifications of actuator for more details.

Note 3) Applicable to non-magnetizing lock.