

Electric Actuators

Miniature Rod Type

Miniature Slide Table Type

Step Motor (Servo/24 VDC)



Compact and lightweight

- Maximum pushing force: **11 lbf** (50N)
- Positioning repeatability: **±0.05 mm**
- Possible to set position, speed and force. (64 points)

Rod Type Series **LEPY**

Size: 6, 10

Weight **8.5 oz**
□LEPY6□-25

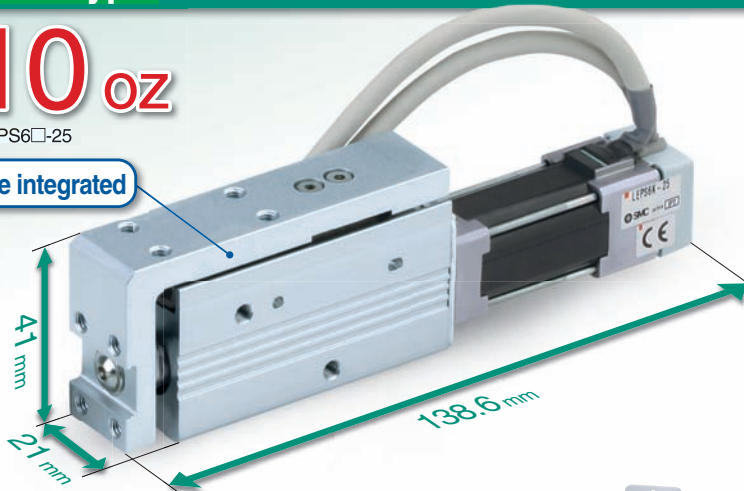


Slide Table Type Series **LEPS**

Size: 6, 10

Weight **10 oz**
□LEPS6□-25

Linear guide integrated



Offering 2 types of controller

▶ Step data input type Series LECP6

- 64 points positioning
- Input using controller setting kit or teaching box



▶ Programless type Series LECP1

- 14 points positioning
- Control panel setting



Series **LEPY/LEPS**

SMC
CAT.NAS100-92A

Programless Controller Series *LECP1*



How to Order

LECP1 N1 - LEPY10-50

Controller
Compatible motor: **P** Step motor (Servo/24 VDC)

Number of step data (Points)
1 14 (Programless)

I/O cable length [m]

	Without cable
1	1.5
3	3
5	5

Parallel I/O type

N	NPN
P	PNP

Actuator part number
(Except cable specifications and actuator options)
Example: Enter "LEPY10K-50" for the LEPY10K-50U-R16NI.

* When controller equipped type (-□1N□/-□1P□) 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.

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

Specifications

Basic Specifications

Item	Specifications
Compatible motor	Step motor (Servo/24 VDC)
Power supply <small>Note 1)</small>	Power supply voltage: 24 VDC $\pm 10\%$ Max. current consumption: 3 A (Peak 5 A) <small>Note 2)</small> [Including the motor drive power, control power supply, stop, lock release]
Parallel input	6 inputs (Photo-coupler isolation)
Parallel output	6 outputs (Photo-coupler isolation)
Stop points	14 points (Position number 1 to 14(E))
Compatible encoder	Incremental A/B phase (800 pulse/rotation)
Serial communication	RS485 (Modbus protocol compliant)
Memory	EEPROM
LED indicator	LED (Green/Red) one of each
7-segment LED display <small>Note 3)</small>	1 digit, 7-segment display (red) Figures are expressed in hexadecimal ("10" to "15" in decimal number are expressed as "A" to "F")
Lock control	Forced-lock release terminal <small>Note 4)</small>
Cable length [m]	I/O cable: 5 or less Actuator cable: 20 or less
Cooling system	Natural air cooling
Operating temperature range	32 to 104°F (0 to 40°C) (No freezing)
Operating humidity range [%RH]	90 or less (No condensation)
Storage temperature range	14 to 140°F (-10 to 60°C) (No freezing)
Storage humidity range [%RH]	90 or less (No condensation)
Insulation resistance [MΩ]	Between the housing (radiation fin) and SG terminal 50 (500 VDC)
Weight	4.6 oz (130 g)

Note 1) Do not use the power supply of "inrush current prevention type" for the controller input power supply.

Note 2) The power consumption changes depending on the actuator model. Refer to the each actuator's operation manual etc. for details.

Note 3) "10" to "15" in decimal number are displayed as follows in the 7-segment LED.



Decimal display	10	11	12	13	14	15
Hexadecimal display	A	b	c	d	E	F

Note 4) Applicable to non-magnetizing lock.