Card Motor

Card Motor LAT3

- The transportation, pushing, and length measurement systems have been miniaturized through the use of a linear motor.
- Thickness 9 mm, Weight 130 g (At a stroke of 10 mm)
- Linear motor type: Moving magnet type linear motor
- Max. pushing force: 6 N
- Positioning repeatability: ±5 µm
- Pushing measurement accuracy: ±10 µm
- Max. operating frequency: 500 cpm

Model	Stroke [mm]	Sensor (Optical linear encoder) Resolution	Pushing Max. instantaneous thrust	Positioning repeatability	Pushing measurement accuracy	Max. speed
LAT3F	10, 20, 30, 50	1.25 µm	Up to 6 N	±5 µm	±10 µm	400 mm/s
LAT3M	50	5 µm	Up to 6 N	±20 µm	±40 µm	400 mm/s
LAT3	10, 20, 30	30 µm	Up to 6 N	±90 µm	±100 µm	400 mm/s

Card Motor Controller LATCA

- Easy programming (Cycle time entry)
  Just input 3 parameters: Positioning time, Target position, Load mass

Type	Series	Power supply voltage	Parallel I/O	
			Input	Output
Step data input type/ Pulse input type	LATCA	24 VDC±10%	6 inputs (Optically isolated)	4 outputs (Optically isolated, open collector output)

Slider Type

Electric Actuator/Slider Type, Ball Screw Drive LEFS

Motorless Type

Clean Room Specification

LEFS Series Step Motor (Servo/24 VDC), Servo Motor (24 VDC)
- Max. work load: 65 kg
- Positioning repeatability: ±0.015 mm (High precision type)
- Clean specification: Complies with ISO Class 4 (ISO14644-1) (11-LEFS)
- Compatible controllers/drivers: LECP6, LECA6, LECP1, LECPA, LECPMJ, JXC91, JXC73/83/93

LEFS Series AC Servo Motor
- High output motor (100/200/400 W)
- Improved high speed transfer ability
- High acceleration/deceleration (20,000 mm/s²)
- Pulse input type
- With internal absolute encoder
- Positioning repeatability: ±0.01 mm (High precision type)
- Clean specification: Complies with ISO Class 4 (ISO14644-1) (11-LEFS)
- Compatible drivers: LECSA, LECSB, LECSC, LECSS, LECSS-T, LECY□
- Motorless specification is available.

Specification	Model	Stroke [mm]	Work load [kg] Horizontal	Speed [mm/s]	Screw lead [mm]
Step motor (Servo/24 VDC)	LEFS16	50 to 500	Max. 15	Max. 700	5, 10
	LEFS25	50 to 800	Max. 30	Max. 1100	6, 12, 20
	LEFS32	50 to 1000	Max. 50	Max. 1200	8, 16, 24
	LEFS40	150 to 1200	Max. 65	Max. 1200	10, 20, 30
Servo motor (24 VDC)	LEFS16A	50 to 500	Max. 10	Max. 500	5, 10
	LEFS25A	50 to 800	Max. 18	Max. 800	6, 12, 20
AC servo motor (100/200/400 W)	LEFS25S	50 to 800	Max. 20	Max. 1500	6, 12, 20
	LEFS32S	50 to 1000	Max. 45	Max. 1500	8, 16, 24
	LEFS40S	150 to 1200	Max. 60	Max. 1500	10, 20, 30