



MX-400 Panel Sensor

Electric linear actuator · 24 V DC · 2500 N

Part numbers **LA-24-100, LA-24-200, LA-24-300**

Category **Motion**

Model **LA-24**

The LA-24 is a compact 24 V DC electric linear actuator with an integrated position sensor and IP66 sealing for outdoor and washdown duty. Stroke lengths from 100 to 500 mm deliver up to 2500 N with built-in end-of-stroke limits and reverse-polarity protection.

SPECIFICATIONS

Stroke length	100 / 200 / 300 / 500 mm	Rated current	3.5 A
Rated force (push/pull)	2500 N	Position feedback	10 kΩ potentiometer / 0–10 V
No-load speed	24 mm/s	Protection	IP66
Duty cycle	25% (S3)	Operating temperature	–26 to +65 °C
Supply voltage	24 V DC ±10%	Self-locking	Yes (ACME screw)

ELECTRICAL & ENVIRONMENTAL

Motor type	Brushed DC, permanent magnet
Inrush current	8 A (100 ms)
No-load current	0.8 A
End-of-stroke limits	Built-in, non-adjustable



ELECTRICAL & ENVIRONMENTAL (CONTINUED)

Storage temperature	-40 to +85 °C
Relative humidity	0-95%, non-condensing
Vibration	5 g, 10-500 Hz (IEC 60068-2-6)
Shock	30 g, 11 ms (IEC 60068-2-27)

KEY DIMENSIONS

Retracted length	stroke + 160 mm	Clevis pin spacing	20 mm
Body diameter	44 mm	Cable entry	M16 gland, 1 m lead
Mounting-eye bore	8 mm (both ends)		

TOLERANCES

TOLERANCES

CHARACTERISTIC	NOMINAL	TOLERANCE
Stroke length	nominal	±1.5 mm
Mounting-eye bore	8.0 mm	+0.05 / -0
Retracted length	stroke + 160 mm	±2 mm
Backlash	0.3 mm	max



MOTOR & FEEDBACK WIRING

PIN	FUNCTION	WIRE	NOTES
1	Motor +	Red	Extend on +24 V
2	Motor –	Black	Retract on +24 V
3	Feedback wiper	White	0–10 V / pot. wiper
4	Feedback +	Blue	+10 V reference
5	Feedback –	Green	0 V reference

ORDERING INFORMATION

ORDER CODE	STROKE	RATED FORCE	FEEDBACK
LA-24-100	100 mm	2500 N	Potentiometer
LA-24-200	200 mm	2500 N	Potentiometer
LA-24-300	300 mm	2000 N	0–10 V
LA-24-500	500 mm	1500 N	0–10 V



ACCESSORIES

ORDER CODE	ACCESSORY	NOTES
LA-BRK-C	Clevis mounting bracket	Zinc-plated steel, both ends
LA-BRK-T	Trunnion mounting kit	Mid-body pivot mount
LA-CBL-5	Extension cable, 5 m	IP66, pre-wired to flying leads
LA-CTL-1	In-line controller	Limit relays and reverse contactor
LA-POT-EXT	External feedback module	10 k Ω potentiometer, panel-mount