ACTUONIX - MINIATURE LINEAR ACTUATOR L12

L12-10-50-12-S
12V, 10mm stroke, up to 22N force with limit switches

- Up to 80N force
- Up to 25mm/s speed
- From 10mm to 100mm stroke
- 12v dc with potentiometer or limit switches
- 6V RC controller options

PRODUCT DESCRIPTION

Actuonix Motion Devices unique line of Miniature Linear Actuators enables a new generation of motion-enabled product designs, with capabilities that have never before been combined in a device of this size. These small linear actuators are a superior alternative to designing with awkward gears, motors, servos, and linkages.
Actuonix's L series of micro linear actuators combine the best features of our existing micro actuator families into a highly flexible, configurable, and compact platform with an optional sophisticated on-board microcontroller. The first member of the L series, the L12, is an axial design with a powerful drive-train and a rectangular cross section for increased rigidity. But by far the most attractive feature of this actuator is the broad spectrum of available configurations.

TECHNICAL DATA

Back drive force	12 N
Duty cycle	20 %
Force max	22 N
IP class	IP54
Nominal speed, no load	25 mm/s
Ratio	50:1
Sound level	55 dB
Static load max	22 N
Stroke	10 mm
Supply voltage	12 V DC
Temperature operational max	50 °C
Temperature operational min	-10 °C
Weight	28 g

L12-SS-GG-VV-C

feature	*Options*
SS: Stroke Length	**10**, **30**, **50**, **100**
GG: Gear reduction ratio (refer to load curves above)	**50**, **100**, **210** (lower ratios are faster but push less force, and vice versa)
VV: Voltage	**6**, **12** (DC volts)
C: Controller	**S** Limit Switches **P** Potentiometer Feedback **I** Integrated Controller **R** RC Servo Integrated Controller