

## ACTUONIX - MINIATURE LINEAR ACTUATOR L12

L12-10-50-6-P

6V, 10mm stroke, up to 22N force, with potentiometer

- 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

Actunox 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.

Actunox'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              | 6,0 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<br>(lower ratios are faster but push less force, and vice versa)                               |
| VV: Voltage   | 6, 12<br>(DC volts)   |
| C: Controller   | S Limit Switches<br>P Potentiometer Feedback<br>I Integrated Controller<br>R RC Servo Integrated Controller |



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