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ACTUONIX - MINIATURE LINEAR ACTUATOR L12

L12-30-50-6-P

6V, 30mm 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

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.

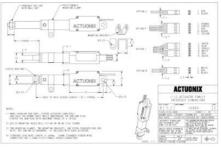
TECHNICAL DATA

| 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 | 30 mm |
| Supply voltage | 6,0 V DC |
| Temperature operational max | 50 °C |
| Temperature operational min | -10 °C |
| Weight | 34 g |
| | |

L12-SS-GG-VV-C

| L12-55-GG-VV-C | |
|----------------------|-----------------------------------|
| feature | Options |
| SS: Stroke Length | 10, 30, 50, 100 |
| GG: Gear reduction | 50, 100, 210 |
| ratio (refer to load | (lower ratios are faster but push |
| curves above) | 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



L12-SS-GG-VV-C feature SS: Stroke Length GG: Gear reduction ratio (refer to load curves above) VV: Voltage VC: Controller C: Controller L10, 30, 50, 100 S0, 100 (lower ratios are faster but push less force, and vice versa) VC: Voltage G, 12 (DC volts) S Limit Switches P Potentiometer Feedback I Integrated Controller R RC Servo Integrated Controller

