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# ACTUONIX - MINIATURE LINEAR ACTUATOR PQ12

PQ12-30-6-R
6V, 20mm stroke, up to 18N force with RC servo control



- Up to 50N force
- Up to 28mm/s speed
- 20mm stroke
- 6v or 12v dc with potentiometer or limit switches
- 6V RC controller options

### PRODUCT DESCRIPTION

The PQ12 is the original and one of the smallest Actuonix actuator available.

Featuring 20mm stroke over many speed and control options, with a weight down to 15g, it is ideal for compact machine builds requiring controlled linear movement.

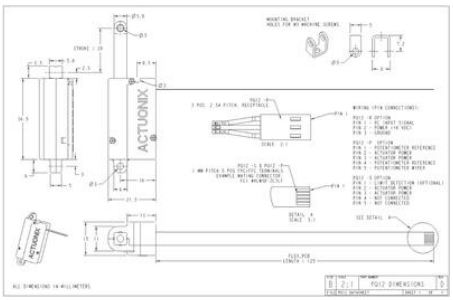
- 'S' variant with built in end of travel limit switches to stop movement and cut power.
- 'P' variant with built in potentiometer to give feedback to LAC control board for positional control.
- 'R' variant with built in servo technology to function as a rotary servo actuator in R/C applications.

## TECHNICAL DATA

| | |
|---|---|
| **Back drive force** | 9 N |
| **Duty cycle** | 20 % |
| **IP class** | IP54 |
| **Max power** | 18 N |
| **Nominal speed, no load** | 28 mm/s |
| **Ratio** | 30:1 |
| **Sound level** | 55 dB |
| **Stroke** | 20 mm |
| **Temperature operational max** | 50 °C |
| **Temperature operational min** | -10 °C |
| **Voltage dc** | 6 V |

**PQ12-GG-VV-C**

| *feature* | *options* |
|---|---|
| **GG**: Gear reduction ratio (refer to load curves above) | **30**, **63**, **100** (lower ratios are faster but push less force, and vice versa) |
| **VV**: Voltage | **6**, **12** (DC volts) |
| **C**: Controller | **P** Potentiometer Feedback<br>**S** Limit Switches<br>**R** RC Linear Servo (6V Only) |




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