

## ACTUONIX - MINIATURE LINEAR ACTUATOR PQ12

PQ12-30-12-S

12V, 20mm stroke, up to 18N force with limit switches



- 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.

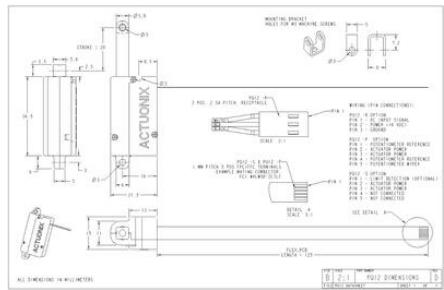
- 'S' variant with built in end of travel limit switches to stop movement and cut power.
- 'P' variant with built in potentiometer to give feedback to LAC control board for positional control.
- 'R' variant with built in servo technology to function as a rotary servo actuator in R/C applications.

### TECHNICAL DATA

<b>Back drive force</b>	9 N
<b>Duty cycle</b>	20 %
<b>IP class</b>	IP54
<b>Nominal speed, no load</b>	28 mm/s
<b>Ratio</b>	30:1
<b>Sound level</b>	55 dB
<b>Static load max</b>	18 N
<b>Stroke</b>	20 mm
<b>Supply voltage</b>	12 V DC
<b>Temperature operational max</b>	50 °C
<b>Temperature operational min</b>	-10 °C
<b>Weight</b>	15 g

**PQ12-GG-VV-C**

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


**PQ12-GG-VV-C**

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

