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## **ACTUONIX - MINIATURE LINEAR ACTUATOR PQ12**

PQ12-100-12-P 12V, 20mm stroke, up to 50N force with potentiometer

- 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	35 N
Duty cycle	20 %
IP class	IP54
Nominal speed, no load	10 mm/s
Ratio	100:1
Sound level	55 dB
Static load max	50 N
Stroke	20 mm
Supply voltage	12 V DC
Temperature operational max	50 °C
Temperature operational min	-10 °C

#### PQ12-GG-VV-C

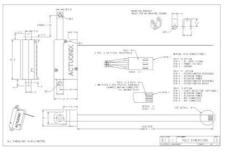
feature

### GG: Gear reduction ratio (refer to load curves above)

VV: Voltage

C: Controller

options 30, 63, 100 (lower ratios are faster but push less force, and vice versa) 6, 12 b, 12
(DC volts)
P Potentiometer Feedback
S Limit Switches
R RC Linear Servo (6V Only)



#### PQ12-GG-VV-C feature

GG: Gear reduction	30, 63, 100
ratio (refer to load	(lower ratios are faster but push
curves above)	less force, and vice versa)
VV: Voltage	6, 12
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C: Controller

options

6, 12 (DC volts) P Potentiometer Feedback S Limit Switches R RC Linear Servo (6V Only)

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