OEM Automatic Ltd
Address: Whiteacres, Whetstone Leicester, LE8 6ZG
0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

ACTUONIX - MINIATURE LINEAR ACTUATOR PQ12

PQ12-63-6-S
6V, 20mm stroke, up to 45N 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.

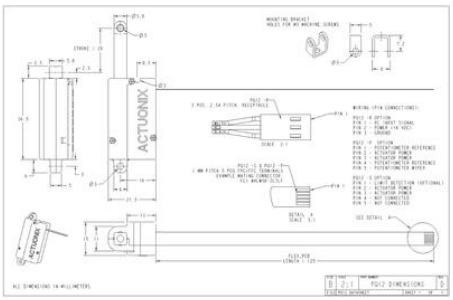
- 'S' variant with built in end of travel limit switches to stop movement and cut power.
- 'P' variant with built in potentiometer to give feedback to LAC control board for positional control.
- 'R' variant with built in servo technology to function as a rotary servo actuator in R/C applications.

TECHNICAL DATA

Back drive force	25 N
Duty cycle	20 %
IP class	IP54
Nominal speed, no load	15 mm/s
Ratio	63:1
Sound level	55 dB
Static load max	45 N
Stroke	20 mm
Supply voltage	6,0 V DC
Temperature operational max	50 °C
Temperature operational min	-10 °C
Weight	15 g

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 **S** Limit Switches **R** RC Linear Servo (6V Only)



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 **S** Limit Switches **R** RC Linear Servo (6V Only)

