

## ACTUONIX - MINIATURE LINEAR ACTUATOR P16

P16-200-64-12-S

12V, 200mm stroke, up to 90N force with limit switches

- Up to 300N force
- Up to 46mm/s speed
- From 50mm to 200mm stroke
- 12v dc with potentiometer or limit switches



### PRODUCT DESCRIPTION

Actuonics P16 actuators are complete miniature actuators with sophisticated positioning control through end position sensors or via potentiometers. Featuring a compact side by side design with a planetary gearbox, these units offer higher speeds, higher forces and longer life than their other units.

Control Options for Miniature Controller P16:

P16-S series: End switch

S variant has factory set end switches that turn off the power when the actuator reaches 0.5mm of the end of the total stroke.

P16-P series: Position feedback via potentiometer

The P variant has no built-in control unit, but provides an analogue feedback channel that can be fed into an external controller as a positional reference.

### TECHNICAL DATA

|                             |         |
|-----------------------------|---------|
| Back drive force            | 200 N   |
| Duty cycle                  | 20 %    |
| IP class                    | IP54    |
| Nominal speed, no load      | 18 mm/s |
| Ratio                       | 64:1    |
| Sound level                 | 62 dB   |
| Static load max             | 90 N    |
| Stroke                      | 200 mm  |
| Supply voltage              | 12 V DC |
| Temperature operational max | 50 °C   |
| Temperature operational min | -10 °C  |
| Weight                      | 140 g   |

**P16-SS-GG-VV-C**

| Feature  | Options  |
|--|--|
| <b>SS:</b> Stroke  | <b>50, 100, 150, 200</b> (mm)  |
| <b>GG:</b> Gear reduction ratio (refer to load curves above) | <b>22, 64, 256</b> :1<br>(lower ratios are faster but push less force, and vice versa) |
| <b>VV:</b> Voltage   | <b>12</b> Volts DC   |
| <b>C:</b> Controller   | <b>P</b> Potentiometer Feedback<br><b>S</b> Limit Switches                             |

