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ACTUONIX - MINIATURE LINEAR ACTUATOR L16

L16-140-63-12-P
12V, 140mm stroke, up to 100N force, with potentiometer



- Up to 200N force
- Up to 32mm/s speed
- From 50mm to 140mm stroke
- 12v dc with potentiometer or limit switches
- 6V RC controller options

PRODUCT DESCRIPTION

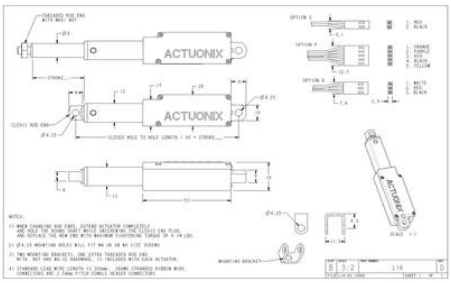
Actuonix Motion Devices' unique line of Miniature Linear Actuators enables a new generation of motion-enabled product designs, with capabilities that have never before been combined in a device of this size. These linear actuators are a superior alternative to designing your own push/pull mechanisms.
The L16 actuators are complete, self contained linear motion devices with position feedback for sophisticated position control capabilities, end of stroke limit switches for simple two position automation, or RC servo. Several gear ratios are available to give you varied speed/force configurations.

TECHNICAL DATA

Back drive force	46 N
Duty cycle	20 %
IP class	IP54
Nominal speed, no load	20 mm/s
Ratio	63:1
Sound level	60 dB
Static load max	100 N
Stroke	140 mm
Supply voltage	12 V DC
Temperature operational max	50 °C
Temperature operational min	-10 °C
Weight	84 g

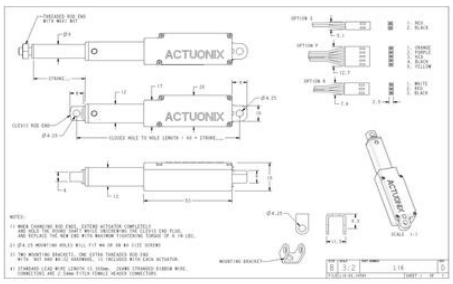
L16-SS-GG-VV-C

Feature	*Options*
SS: Stroke	**50, 100, 140 (mm)**
GG: Gear reduction ratio (refer to load curves above)	**35, 63, 150** (lower ratios are faster but push less force, and vice versa)
VV: Voltage	**12** vdc or **6** vdc (-R only)
C: Controller	**P** Potentiometer Feedback **S** Limit Switches **R** RC Linear Servo



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NOTES:

1) WHEN CHANGING ROD ENDS, EXTEND ACTUATOR COMPLETELY.
REMOVE THE END CAP FROM THE ACTUATOR BODY WITH THE CLEVIS END PLUG,
AND REPLACE THE NEW END WITH MAXIMUM TIGHTENING TORQUE OF 8 IN LBS.

2) Ø4.25 MOUNTING HOLES WILL FIT M4 OR #8-32 SIZE SCREWS

3) TWO MOUNTING BRACKETS, ONE EITHER THREADED ROD END
WITH NUT AND #8-32 HARDWARE, TO INCLUDED WITH EACH ACTUATOR.

4) STANDARD LEAD WIRE LENGTH IS 203mm. 26AWG STRANDED RIBBON WIRE.
CONNECTORS ARE 2.54mm PITCH FEMALE HEADER CONNECTORS

B	3:2	1:16	D