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ACTUONIX - MINIATURE LINEAR ACTUATOR L16

L16-50-35-12-S
12V, 50mm stroke, up to 50N force, with limit switches



- 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

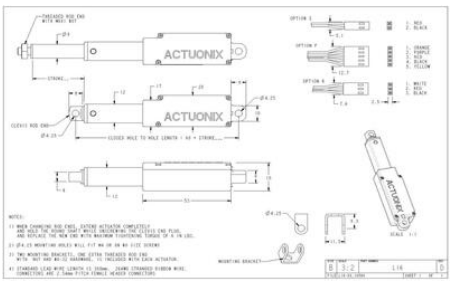
Actuonix Motion Devices' unique line of Miniature Linear Actuators enables a new generation of motion-enabled product designs, with capabilities that have never before been combined in a device of this size. These linear actuators are a superior alternative to designing your own push/pull mechanisms.
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	31 N
Duty cycle	20 %
IP class	IP54
Nominal speed, no load	32 mm/s
Ratio	35:1
Sound level	60 dB
Static load max	50 N
Stroke	50 mm
Supply voltage	12 V DC
Temperature operational max	50 °C
Temperature operational min	-10 °C
Weight	56 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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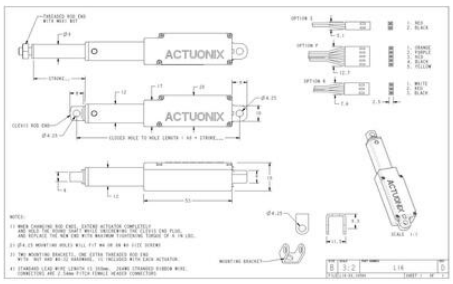
ACTUONIX
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STROKE
CLEVIS ROD END
CLOSED HOLE TO HOLE LENGTH = 40 + STROKE
OPTION 5
OPTION 7
OPTION 6
1. RED
2. BLACK
1. ORANGE
2. PURPLE
3. RED
4. BLACK
5. YELLOW
1. WHITE
2. RED
3. BLACK
MOUNTING BRACKET
SCALE 1:1
NOTES:
1) WHEN CHANGING ROD ENDS, EXTEND ACTUATOR COMPLETELY
AND HOLD THE ROUND SHAFT WITH CIRCLE-NOSE PLIERS AND FLUSH
AND REPLACE THE NEW END WITH MAXIMUM TIGHTENING TORQUE OF 6 IN LBS.
2) Ø4.25 MOUNTING HOLES WILL FIT M4 OR D6 #4 SIZE SCREWS
3) TWO MOUNTING BRACKETS, ONE EITHER THREADED ROD END
WITH NUT AND WIRE ASSEMBLY, IS INCLUDED WITH EACH ACTUATOR.
4) STANDARD LEAD WIRE LENGTH IS 300mm. 26AWG STRANDED RIBBON WIRE.
CONNECTORS ARE 2.5mm PITCH FEMALE HEADER CONNECTORS
B
3:2
1:16
D
FILE: 1:16 DR.DWG
SHEET 1 OF 1