



Control & Sensor Technology

Linear Proportional Actuators

APECS® 0250/0250P Linkage-Free, Integral Type Actuator

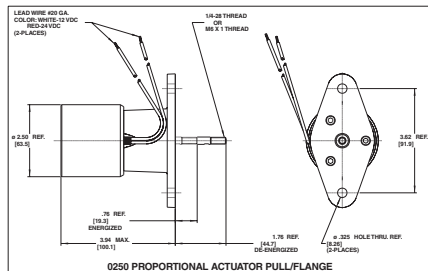


Features

- Push or Pull actuation
- Failsafe operation using spring to return actuator to minimum fuel position
- Polarity protected
- Corrosion resistant plated steel casing and mounting base/flange
- Engine mountable
- 100% inspected and factory tested
- Variety of options for mounting styles, plungers, terminations and springs

Options

- Engine or application specific mounting brackets
- Two pin connectors
- Rod end linkages
- Position feedback



Linear Proportional Actuators

0250 0250P

Specifications

- **Stroke:**
1.0" maximum
- **Net Force:**
6.0 pounds
- **Work Rating:**
0.7 foot-pounds
- **Rated Current:**
6.5 Amps (12 vdc)
3.5 Amps (24 vdc)
- **Response Time:**
65 milliseconds
for 10%-90% of stroke
- **Spring Shutdown Force @ Full Stroke:**
1.70 pounds
- **Temperature Range:**
-40 deg C to 121 deg C
(-40 deg F to 250 deg F)
- **Vibration:**
15 Gs
- **Shock:**
200 Gs
- **Shipping Weight:**
Approx. 3.0 lbs (1.4 kg)

Ordering Information

To order, specify the desired features from the following chart. For example: 0250P-12A2LS1

Model	Volts	Mounting Style	Plunger Type	Termination Type	Return Spring (Force @ Full Stroke)	Special Options
0250 (pull)	12VDC 24VDC	A-Flange E-Base	2-Ext.1/4-28 Threads 3-Ext.M-6 Threads	L-Lead wire C-Connector	S1 (1.75 lbs)	
0250P (push)	12VDC 24VDC	A-Flange E-Base	2-Ext.1/4-28 Threads 3-Ext.M-6 Threads	L-Lead wire C-Connector	S1 (1.75 lbs)	



An overspeed shutdown device, independent of the APECS system, should be provided to prevent loss of engine control which may cause personal injury or equipment damage.



Control & Sensor Technology

www.sspl.com

Synchro-Start Products, Inc.
a Knowles company
6250 West Howard Street
Niles, Illinois 60714-3433
USA
Telephone: 847/967-7730
FAX: 847/967-7832
Synchro.Start@SSPI.com

Synchro-Start Products Europe Limited
York Road
Burgess Hill
West Sussex RH15 9TT
England
Telephone: (+44) (0)1444-872-836
FAX: (+44) (0)1444-239-226
SSPEL@SSPI.com

Synchro-Start Products Asia
No. 20 Su-Tong Road
Suzhou Singapore Industrial Park
Jiangsu Province
PRC Postal Code: 215021
Telephone: (0512) 762-6727
FAX: (0512) 761-7765
SSPA@SSPI.com