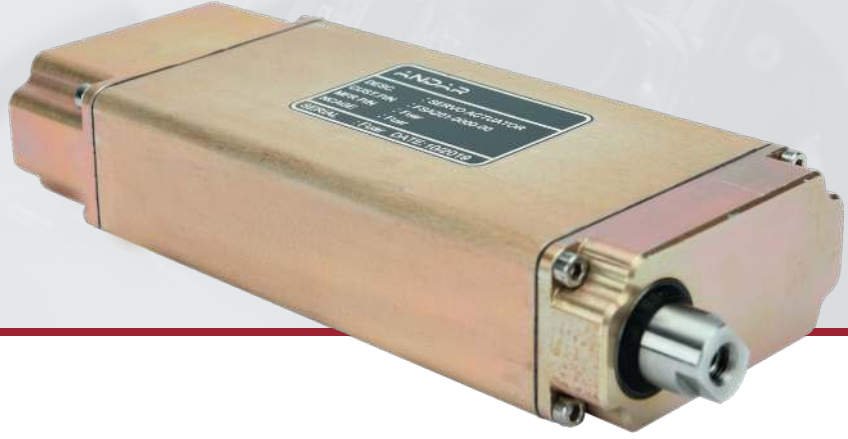


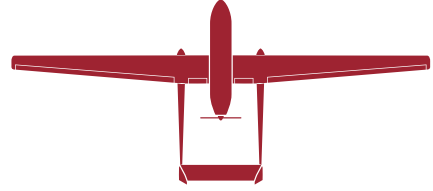
FSA201-0000-00

LINEAR ACTUATOR



APPLICATIONS

FSA201-0000-00 series are linear servo actuators designed for unmanned platforms, delivering 200N rated force. These actuators are electronically and mechanically redundant. FSA201 series actuators are used for primary flight control surfaces, with accumulated flight hours of 250,000+.



Unmanned Platforms
Primary flight control surface

STANDARDS

Compatible with
MIL- STD-461E
MIL-STD-810G

KEY FEATURES

- > Redundant primary flight control
- > Flight-proven, 250,000+ flight hours
- > In-flight health monitoring
- > Lightweight structure (Actuator + Controller)

Actuator Specifications

Size (mm)	31.5 x 67 x 160 mm
No-Load Speed	> 65%/s
Rated Force	200 N
Maximum Force	300 N
Stroke	80 mm
Operating Voltage	28 VDC
Weight	680 g

Electrical Features:

Input Voltage	16-31 VDC (MIL-STD-704 Compatible)
Operating Voltage	28 VDC (MIL-STD-704 Compatible)
Stall Current	3A

Performance Features:

No Load Speed	70mm/s
Stroke	80mm
Nominal Force	200N
Nominal Speed	>65mm/s
Nominal Current	<0.92A
Resolution	0.1mm

Communication Features:

Comm. Interface	RS485
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Environmental Features:

Operating Temp.	-30/+50°C
Storage Temp.	-40/+70°C
Vibration	MIL-STD-810G
Impact	MIL-STD-810G
Sealing	MIL-STD-810G

Electromagnetic Features:

Compatibility	MIL-STD-461E
Shielding	EMI / RFI

Mechanical Features:

Weight	684g
Mechanical Limit	0-83mm
Mechanical Backlash	0.05mm
Enclosure Material	Aluminum
Enclosure Coating	MIL-DTL-5541F Type 1 Class 3
Linear Dynamic Load Limit	650N
Linear Static Load Limit	770N

