



Military Aerospace Applications

Landing Gear | Payload Sensing
Braking | Safety Systems | Fuel Systems

TWSwitches™

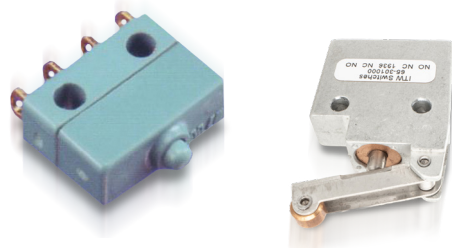
MILITARY AEROSPACE APPLICATIONS

WE HAVE THE MIL-SPEC APPROVED SWITCH PRODUCT FOR YOUR DESIGN.

Since 1954, ITWSwitches™ has supported military aerospace platforms and defence programmes with rugged, mission-critical switching solutions engineered for demanding operational environments. Our portfolio of high-load snap-action and pushbutton switches delivers exceptional reliability, durability, and extended service life in airborne defence applications. Designed to withstand harsh environmental conditions and high-duty-cycle operation, our switches are trusted across a wide range of military systems. With a wide portfolio of military-qualified and field-proven designs, ITWSwitches™ provides readily deployable solutions that facilitate rapid integration into new aerospace and defence development programmes.

ON BOARD FUEL SYSTEMS

- Custom / project specific solutions:
Cable assemblies & PCB
Terminal forming
- Proven in the field over 60+
years, over 1.5 million cycles
- Primary Products -
18 Series & 65 Series



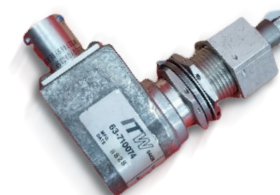
PAYLOAD SENSING

- Payload Release and Sensing Switch
- Meets nuclear requirements for
hardness critical category I part
- Primary Products - 63X Series



AERIAL REFUELING

- Sensing of the valve position
controlling fuel flow
- Mil Spec part capability
- Primary Products - 63 Series



SADDLE CLAMP FOR GROUNDING

- Saddle clamps are used alongside
bonding jumpers to secure internal
metal tubes (like fuel or hydraulic lines)
to the wing structure
- Provides a path to ground to
dissipate electrical charge and
prevent sparking
- Primary Products - Saddle Clamp



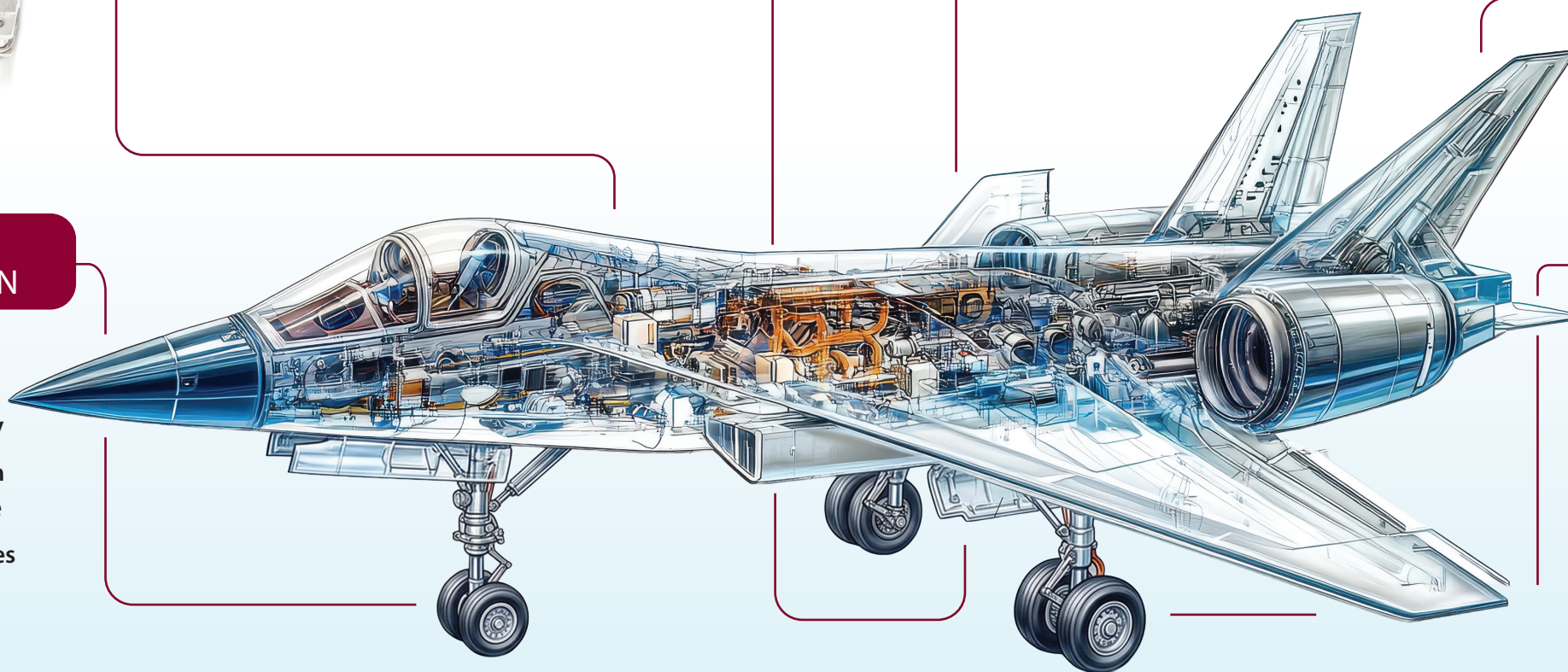
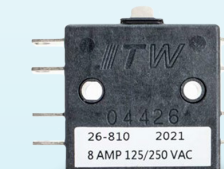
LANDING GEAR POSITION DETECTION

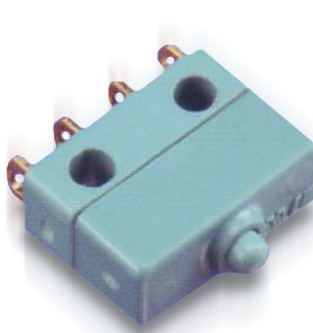
- Landing Gear Position
Sensing Switch
- Mil Spec switch capability
- "Pre-Hardening" of Switch
for high impact endurance
- Primary Products - 65 Series



BRAKE PEDAL TRANSMISSION

- Angular position sensor
- Designed to operate in areas
subject to severe vibration
- Mil Spec part in custom
assemblies with added circuitry
- Primary Products - 16/26 Series





ITW SwitchesTM

ITW Industrial Components

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LRN100009-1. 09-26

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