AEROSPACE & DEFENSE PROXIMITY SWITCH APPLICATIONS

KEY FEATURES

- Contactless detection with integrated electronics (up to 7 mm detection)
- Pressure and temperature variation resilient
- Output compatible with general avionics I/O and PLC I/O
- Built In Test (BIT)
- EMI/EMC resilient, shielded cable...
- High pressure version for cylinder actuator (4500 PSI)

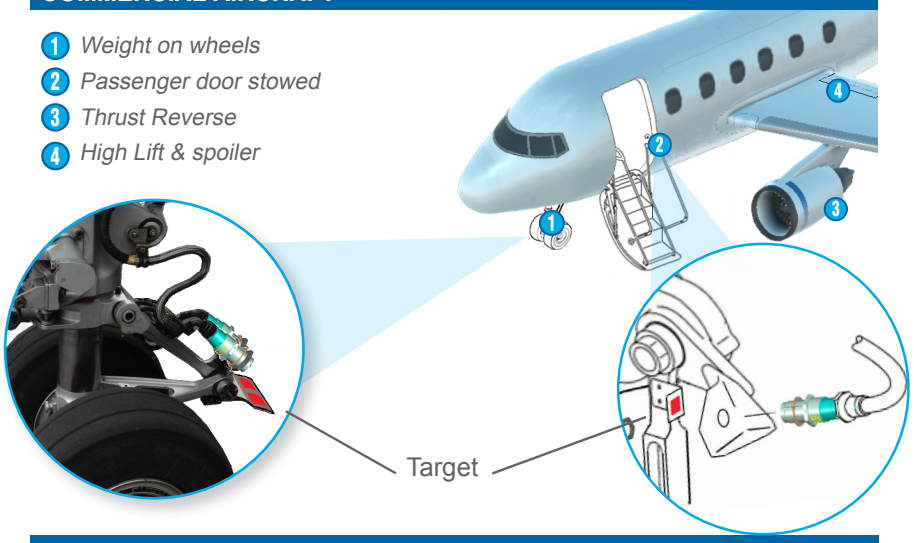
MAIN BENEFITS

- Enhanced Safety: BIT preclude latent failure
- Reduced time to market: 2 products 84792000 (2 wire) and 84793050 (3 wire) are in stock*
- Designed to need: multiple adaptations are available (threading, connector, EMI levels, environment category etc...)

* in channel partner stock

COMMERCIAL AIRCRAFT

1. *Weight on wheels*
2. *Passenger door stowed*
3. *Thrust Reverse*
4. *High Lift & spoiler*

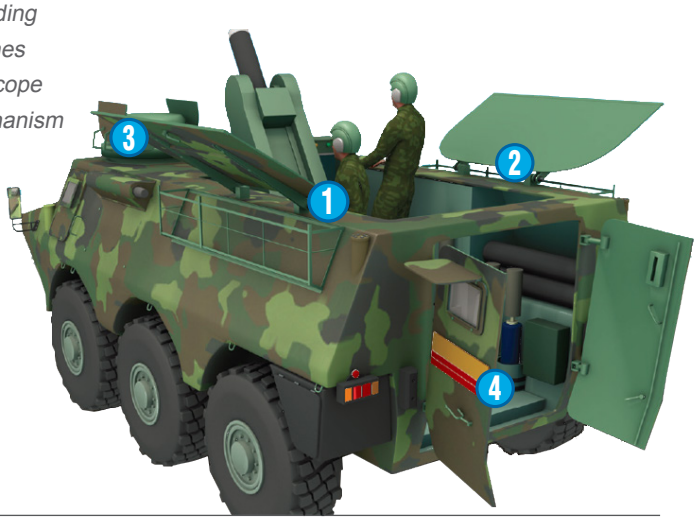


MILITARY AIRCRAFT

1. *Landing gear stowed*
2. *Thrust Reverser lock*
3. *Canopy lock*

MILITARY VEHICULE

1. *Munition-Loading*
2. *Doors / Hatches*
3. *Turret / Periscope*
4. *Locking Mechanism*



Application	Function	Criticality
Landing Gear		
Nose & Main Landing Gear (Left, Right, Central	• Gear stowed • Gear deployed • Open or close door status • Weight-on-Wheels (WoW) • Gear truck stowed	Crew knowledge of a correct deployment of the landing gear is essential for non hazardous landing. WoW is necessary to allow thrust reverse actuation
Engine System		
Thrust Reversers	• Sleeve stow • Sleeve lock • Auto-restow	Locking and unlocking of the doors (clam shell, pivoting, target) or of the translating cowls is necessary. Also the knowledge of the angle of the doors is needed to ensure a symetrical trust.
Flight Control System		
Forward wing slats skew/ spoiler flaps skew	Slat position	Skew = non symetrical extension of slats or flaps that would create flight hazard
Door System		
Passenger & Cargo Door	• Passenger door handle • Passenger door stowed • Passenger door lockshaft	Doors must be closed for correct cabin pressure
Cargo Pallet Lock		If pallets were not locked, displacement of cargo during take off would create flight hazard
Maintenance, Service & Access Doors	• Avionic bay door • Aft equipment compartment,ground air-conditioning, refuel/defuel station, ram air turbine door • APU door • Toilet service (left & right aft), external power, cargo door selector, oxygen replenishment, lower fuselage, yellow, green & blue hydraulic, tail cone, engine oil,, fresh water service, waste-water ground service panel access door	
Engine doors (on cowl/ nacelle/pylon)	• Fire agents bottles access door (right side and left side engine) • Pylon overpressure door (right side and left side engine) • Hydraulic filter access door (right side and left side engine)	
THSA	worm drive limit switch for Trimmable Horizontal Stabilizer Actuator	

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