

Automotive Seat Belt Buckle Switch & Brake Lever Power-Off Sensor

Non-Contact Reed / Hall Seat Belt Buckle Sensor & EV Brake Lever Cut-Off Switch

Product Overview

Misensor Seat Belt Buckle Sensors use a hermetically sealed reed switch or solid-state Hall IC integrated into the seat belt buckle latch mechanism to detect tongue insertion with zero mechanical contact wear. We also manufacture magnetic Brake Lever Power-Off Sensors for electric two-wheelers, ATVs, and EVs.

Key Features

- Non-contact magnetic actuation - over 1,000,000 la...
- Available in N.O., N.C., or 2-wire diagnostic resi...
- Compact slim profile fits standard automotive seat...
- Brake Lever Sensor: IP67 sealed magnetic switch fo...
- Customizable wire harness length and automotive te...

Typical Applications

- Passenger car & commercial truck seat belt reminde...
- Child safety seats & aviation/bus passenger restra...
- Electric vehicles, e-bikes, scooters & mobility br...

Technical Specifications & Model Selection

Product	Sensing Principle	Contact / Output	Max Voltage	Max Current	Operating Temp	Protection
Buckle Sensor (Reed)	Hermetic Reed Switch	1A (NO) or 1B (NC) ..	12V / 24V DC	100 mA	-40°C to +85°C	IP65
Buckle Sensor (Hall)	2-Wire Hall IC	Low: 5-7mA / High: ..	8-16V DC	20 mA	-40°C to +105°C	IP67
Brake Cut-Off Sensor	Magnetic Reed / Hall	1A (NO) / 1B (NC) ..	5V-48V DC	300 mA	-30°C to +85°C	IP67