

EV Brake Lever Power-Off Sensor

Model: BLS Series

Product Overview

Waterproof magnetic switch sensor for electric bicycle, scooter, and EV brake lever regenerative braking and motor power cut-off.

Key Features

- Direct integration into brake levers and hydraulic brake lines
- Fast instant power cut-off when brake lever is engaged
- IP67 sealed against rain, mud, and pressure washing
- Compact cylindrical or block housing with NdFeB magnet actuator
- Rated for >10,000,000 mechanical operations

Typical Applications

- Automotive & Commercial Vehicles
- Industrial Machinery & Automation
- Electric Vehicles (EV & FCEV)
- Safety Interlocks & Control Systems

Technical Specifications

Parameter	Specification / Technical Value
Switching Voltage	12V / 24V / 36V / 48V / 60V DC
Switching Current	Max 0.5A DC
Contact Form	Form A (Normally Open) or Form B (Normally Closed)
Operating Temp	-30°C to +80°C
Ingress Protection	IP67 waterproof
Harness Length	Customized with waterproof 2-pin connector