

ABS & EPB Wheel Speed Sensor (MSSS03)

Model: MSSS03N91 / MSSS Series

Product Overview

Active Hall and AMR wheel speed sensors for automotive ABS, ESP, traction control, and electronic parking brake (EPB) systems.

Key Features

- Active Hall / AMR sensing technology with zero-speed detection
- Digital current-pulse output (7mA / 14mA standard protocol)
- Detects rotational direction and magnetic encoder target pole wheel
- Wide operating air gap tolerance: 0.5mm to 2.5mm
- Over-molded waterproof IP68/IP69K automotive design

Typical Applications

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

Technical Specifications

Parameter	Specification / Technical Value
Supply Voltage	4.5V to 20V DC
Output Current	Low: 7mA ± 1mA / High: 14mA ± 1.5mA
Frequency Range	0 Hz to 2.5 kHz
Operating Temp	-40°C to +150°C
Protection Class	IP68 / IP69K
Target Type	Magnetic encoder ring or ferromagnetic tone wheel