

Sensor Actuator Permanent Magnets (MSM / MY / MN Series)

Model: MSM / MY / MN Series

Product Overview

Precision permanent magnet actuators housed in threaded brass, stainless steel, and plastic enclosures for reed switches and Hall sensors.

Key Features

- High-energy NdFeB, SmCo, and anisotropic Ferrite magnetic materials
- Threaded M5, M8, M10, and M12 cylindrical or rectangular screw housings
- Custom magnetization orientations: axial, diametrical, or multi-pole
- Resistant to demagnetization up to +150°C (+250°C with SmCo)
- RoHS compliant protective coatings (Nickel, Epoxy, Zinc)

Typical Applications

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

Technical Specifications

Parameter	Specification / Technical Value
Magnet Material	NdFeB (N35-N52), SmCo, Anisotropic Ferrite
Housing Options	SUS304, Nickel-plated Brass, ABS, POM
Thread Sizes	M5x0.5, M8x1.0, M10x1.0, M12x1.25
Operating Temp	-40°C to +120°C (NdFeB) / +250°C (SmCo)
Remanence (Br)	0.38T to 1.45T
Mounting	Direct screw-in or bracket mount