

Sensor Comparison Table

Difference \ Category	Cylindrical Proximity Sensor	Rectangular Proximity Sensor	Slot-Type Photoelectric Sensor
Brand	RIKO		MW
Product Photo			
Model Series	PSC/PSD	JM/JMD	MUS-52
Detection Principle	Electromagnetic Induction		Optical Interruption
Detectable Object	Metal Objects Only		Opaque Objects
Sensing Distance	Varies by Model, 1~18 mm		Determined by Slot Width, 5 mm
Response Frequency	300Hz		3kHz
Installation & Alignment	Easy Installation; Simply Mount Near the Target Metal Object		Integrated U-Shaped Design; Simply Pass the Target Object Through the Slot
Environmental Resistance	Resistant to Dust, Water Mist, Oil Mist, and Mechanical Vibration		Slot-Type Structure Helps Reduce Stray Light Interference; However, the Lens May Be Affected by Oil or Dust, and Strong Direct Sunlight May Cause Interference or Damage
IP Rating	IP66		IP50
Typical Applications	Metal Part Counting, Limit Detection, Collision Prevention; Suitable for Machine Tools, Punching Machines, etc.		Motor Speed Detection, Encoders, High-Speed Small-Part Counting, Placement Machine Positioning, Optical Axis Limit Detection, etc.