



## PNP NO Inductive Sensors For Detecting Magnetic Metal 0-1.6mm Red LED Display

### Our Product Introduction

#### Basic Information

- Place of Origin: Guangdong, China
- Brand Name: KRONZ
- Certification: CE
- Model Number: IS2-M12PO51-M0A/S
- Minimum Order Quantity: 10 pieces
- Price: Negotiable
- Packaging Details: Polybag packing
- Delivery Time: 5-8 working days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 100000 pieces per month



#### Product Specification

- Installation Type: Quasi-flush
- Detected Object: Magnetic Metal
- Output Function: PNP,NO
- Set Distance: 0-1.6mm
- Leakage Current: <0.8mA
- Response Frequency: 800Hz
- Voltage Drop: <1V
- Sensing Surface Material: PBT
- Highlight: **Magnetic Metal Detecting Inductive Sensors, 1.6mm Inductive Sensors, PNP Inductive Sensors**



## Product Description

### Inductive Sensors for Detecting Magnetic Metal PNP NO 0-1.6mm Red LED Display

#### Product Description

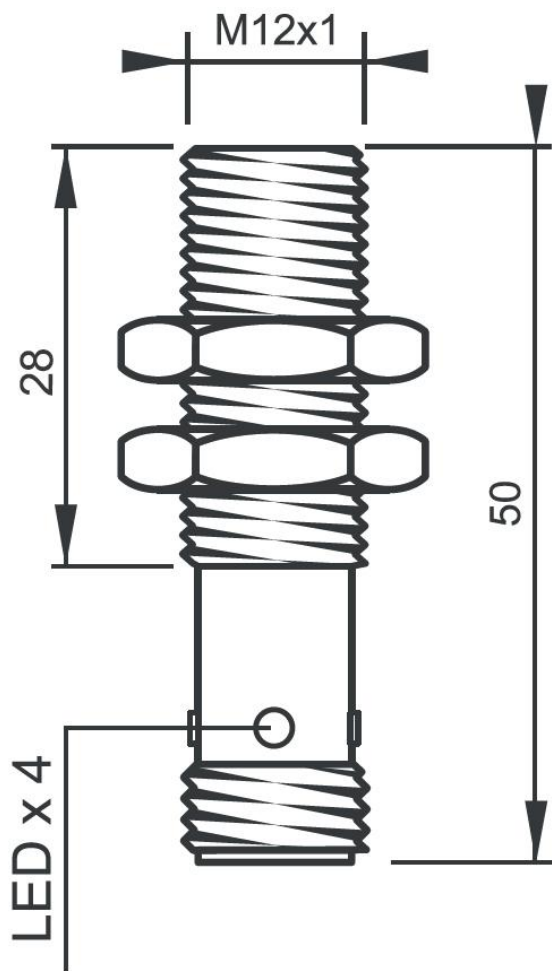
Inductive sensors contribute significantly to quality control. They can precisely detect the presence and alignment of metal parts during production, reducing errors and improving product quality. Inductive sensors are also indispensable in industrial automation. They enable proximity detection in machinery, preventing accidents and minimizing damage. For example, in conveyor systems, they ensure that objects are properly positioned and avoid jams.

- Installation type: Quasi-flush
- Sensing range Sn: 2mm
- Output function: PNP,NO
- Supply voltage: 10-30VDC
- Connection type: M12 connector
- Housing material: Brass,nickel-plated

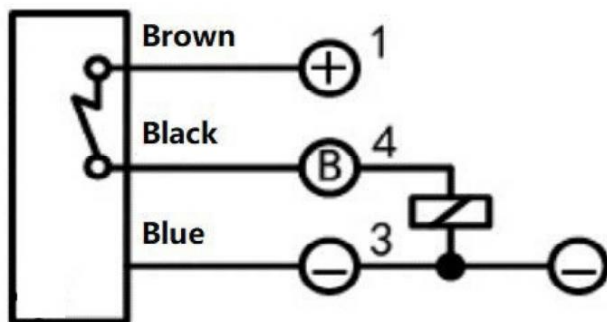
#### Technical Data

Installation Type	Quasi-flush
Sensing Range(Sn)	2mm
Detected Object	Magnetic metal
Standard Detection Object(iron)	12x12x1mm
Set Distance	0-1.6mm
Tolerance Distance	Detection distance below 10%
Response Frequency	800Hz
Working Voltage	10-30VDC
Max. load Current	200mA
Voltage Drop	<1V
LED Display	Red
Protection circuit	Surge protection circuit,short circuit protection,polarity reversal protection
Ambient temperature	During operation:-25 to+70°C(no freezing,no condensing)
Ambient humidity	During operation and shorage: 35-95%RH(no condensing)
Effect of temperature	Temperature range-25 to 70°C,with a detection distance within $\pm 10\%$ for every 20°C change
Effect of voltage	When the rated power supply voltage fluctuates within $\pm 15\%$ ,the detection distance changes within $\pm 1\%$
Insulation resistance	50M $\Omega$
Withstand voltage	AC1000V
Vibration resistance	10 to 55 Hz, up and down amplitude 1.5 mm in the X, Y, and Z directions for each 2 hours.
Impact resistance	500m/S <sup>2</sup> , 10 times in each direction of X, Y and Z
Connection type	M12 Connector
Sensing surface material	PBT
Protection grade	IP67

#### Dimensional Drawing



Wiring Diagram



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