

Inductive sensor TL-W5MF2

Product codes:

Reference: AM4556

EAN13: -

UPC: 85365080



Product features:

Current: 300 mA

Voltage: 10-30 V DC

Cable length: 120 cm

Waterproof grade: IP67

Product attributes:

Product description:

The TL-W5MF2 inductive sensor is used for non-contact detection of metal objects in automation and control applications. It is intended for installation in machines, fixtures and industrial equipment where switching based on the proximity of a metal object without mechanical contact is required.

Technical specifications

- Model: TL-W5MF2
- Product type: inductive proximity sensor
- Sensing distance: 5 mm
- Sensing distance tolerance: $\pm 10\%$
- Power supply: DC 10-30V
- Output type: 3-wire PNP NC
- Maximum load current: 300 mA
- Body dimensions: 30.5 × 18 × 10 mm
- Mounting holes: 2 holes, diameter 3.5 mm
- Mounting hole spacing in the longitudinal direction: 12 mm

Functions and features

- Non-contact detection of metal objects based on the principle of inductive sensing.
 - Rectangular housing with mounting holes for secure mounting.
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- 3-wire connection for integration into DC control circuits.
- PNP NC output logic for applications requiring a normally closed state.
- Signaling LED on the front of the sensor.
- Cable outlet from the sensor body.

Ideal for

- Detection of the position of metal parts in machines and automation lines.
- End-to-end sensing of mechanisms and moving elements.
- Counting metal parts in manufacturing and sorting applications.
- Industrial control systems with DC power supply and PNP inputs.

Package contents

- 1x TL-W5MF2 sensor with cable outlet

Why choose this product?

- There is a specifically designated model TL-W5MF2 with a clearly distinguished PNP NC output type.
- Known mechanical dimensions facilitate mounting design and replacement with the same sensor format.
- The induction principle is suitable for detecting metal objects without mechanical wear of the contacts.
- The power supply in the range of DC 10–30 V corresponds to common industrial control circuits.

Installation and operating instructions

- Install the sensor so that only the desired metal objects are in the detection zone.
- When installing, ensure mechanical fastening through both mounting holes.
- Before wiring, verify the correct control system input type and corresponding PNP NC logic.
- Connect the wires according to the product diagram and with the power supply disconnected.

Safety notice

- Incorrect connection of the power supply or load may lead to damage to the sensor or downstream electronics.
 - Carry out assembly and electrical connections with the power switched off.
 - The product is an electrical component intended for professional installation.
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- Do not use the sensor outside the specified power supply and load range.

Product gallery:

