

# Inductive sensor TL-W5MC1

## Product codes:

Reference: AM4067

EAN13: -

UPC: 85365080



## Product features:

Current: 300 mA

Voltage: 6-36 V DC

Cable length: 120 cm

Waterproof grade: IP67

Output type: NPN

Output function: NO

## Product attributes:

## Product description:

TL-W5MC1 is a three-wire inductive proximity sensor designed for non-contact detection of metal objects in automation and control applications. The sensor uses a DC power supply and a switching NPN output in the NO version. The design is suitable for fixed mounting on machinery, fixtures, conveyors and other industrial assemblies where repeatable detection without mechanical contact is required.

## Technical specifications

- Model: TL-W5MC1
  - Type: inductive proximity sensor
  - Output type: 3-wire, NPN, NO
  - Supply voltage: 6 to 36 V DC
  - Nominal sensing distance: 5 mm
  - Sensing distance tolerance:  $\pm 10\%$
  - Maximum load current: 300 mA
  - Body dimensions: 30.5 × 18 × 10 mm
  - Mounting holes: 2 × 3.5 mm diameter
  - Material: alloy
  - Product type: proximity switch
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## **Functions and features**

- Non-contact inductive detection of metal objects.
- Three-wire connection for integration into DC control circuits.
- NPN switching output in NO logic.
- Compact square body with mounting holes for firm attachment.
- Indicator element on the front side for status signaling.

## **Ideal for**

- Industrial automation and simple control circuits.
- Detection of the position of metal parts on machines and fixtures.
- Conveyor systems and sorting mechanisms.
- End and presence sensing in DC applications.

## **Package contents**

- 1x TL-W5MC1 sensor

## **Why choose this product?**

- Clearly designated model with stated output type NPN NO.
- Power supply in the range of 6 to 36 V DC allows use in common DC control systems.
- Compact dimensions make it easy to install in limited space.
- The inductive principle does not require mechanical contact with the object being sensed.

## **Installation and operating instructions**

- Observe the correct wiring according to the NPN three-wire sensor type.
- When installing, maintain the sensing space in front of the sensor face.
- Install the sensor in such a way that there is no mechanical stress on the cable outlet.
- Before connecting, verify the compatibility of the control system input with the NPN NO output.

## **Safety notice**

- Incorrect wiring may result in damage to the sensor or connected equipment.
  - Only perform installation and connection when the power supply is disconnected.
  - The product is an electrical component intended for professional installation into a device or system.
  - Avoid shorting wires and exceeding the maximum output current load.
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## Product gallery:

