

Inductive sensor TL-W5MF1

Product codes:

Reference: AM8689

EAN13: -

UPC: 85365080



Product features:

Current: 300 mA

Voltage: 6-36 V DC

Cable length: 120 cm

Waterproof grade: IP67

Product attributes:

Product description:

TL-W5MF1 is a three-wire inductive proximity sensor for non-contact detection of metal objects in automation, signaling and control circuits. The sensor design is designed for mounting using two mounting holes and for DC power supply. The product is suitable where repeatable detection without mechanical contact with the sensed object is required.

Technical specifications

- Model: TL-W5MF1
- Sensor type: inductive proximity sensor
- Switching output: PNP, NO
- Number of wires: 3
- Power supply: DC 6 to 36 V
- Maximum output load: 300 mA
- Sensing distance: 5 mm \pm 10%
- Body dimensions: 30.5 × 18 × 10 mm
- Mounting holes: 2 × 3.5 mm

Functions and features

- Non-contact inductive detection of metal objects.
 - PNP output in NO version for connection to DC control circuits.
 - Three-wire connection with separate power supply and output.
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- Compact square design for installation in limited space.
- Indication element on the front side of the sensor.
- Fixed cable outlet from the sensor body.

Ideal for

- Detection of the position of metal parts of machines and mechanisms.
- Industrial automation and simple control systems.
- Counting passes of metal parts.
- End and presence sensing in conveyors and fixtures.

Package contents

- 1× TL-W5MF1 inductive proximity sensor

Why choose this product?

- A clearly defined model with the specified PNP NO output type.
- Known power supply range for connection to common DC control circuits.
- Compact dimensions and two-hole mounting facilitate mechanical integration.
- The contactless principle reduces mechanical wear during sensing.

Installation and operating instructions

- Before connecting, verify the correct output type and compatibility with the control system input.
- Mount the sensor so that the detection area in front of the sensor face is maintained.
- During installation, ensure firm attachment and protection of the cable against mechanical stress.
- Connect the wires according to the appropriate diagram for PNP three-wire sensors.

Safety notice

- Incorrect wiring may cause damage to the sensor, the connected load or the control electronics.
 - Carry out assembly and electrical connections with the power supply disconnected.
 - Do not exceed the permitted supply voltage and maximum output current.
 - Installation in industrial facilities should be carried out professionally, taking into account circuit fuses and protection.
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Product gallery:

