

Inductive proximity sensor SN04-D1

Product codes:

Reference: AM6937

EAN13: -

UPC: 85365080

Product features:

Voltage: 5-30 V DC

Cable length: 200 cm

Waterproof grade: IP67



Product attributes:

Product description:

The SN04-D1 inductive proximity sensor is used for non-contact detection of metal objects in automation, control and sensing circuits. It is a three-wire DC design intended for installation in machines, fixtures or mechanical assemblies where electrical indication of the presence of a metal target without mechanical contact is required.

Technical specifications

- Model: SN04-D1
- Product type: inductive proximity sensor for detecting metal objects
- Supply voltage: 5-30 V DC
- Design: DC, 3 wires
- Switching function: NO
- Nominal detection distance: 4 mm
- Body dimensions: 18 × 18 × 36 mm
- Mounting design: non-front-shielded
- Designated scanned object: metal

Functions and features

- Non-contact detection of metal objects without mechanical wear of the switching parts.
 - Compact square design suitable for installation in limited space.
 - Three-wire DC connection for integration into control and signaling
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circuits.

- The inductive sensing principle limits the response to metal targets.
- The cable connection is part of the sensor.

Ideal for

- Detection of the position of metal parts in machines and mechanisms.
- Industrial automation and simple control circuits.
- Sensing the presence of metal parts on fixtures and conveyors.
- Cooperation with relays, counters and PLC inputs within DC systems.

Package contents

- 1x inductive proximity sensor SN04-D1 with connection cable

Why choose this product?

- Clearly designated model SN04-D1 for DC power supply 5–30 V.
- The square compact design of 18 × 18 × 36 mm facilitates mechanical integration.
- Detection of metal objects without physical contact reduces mechanical stress during operation.
- The three-wire NO version is suitable for common control and sensing applications.

Installation and operating instructions

- Install the sensor so that only the designated metal object is within range and there is no unwanted interference from surrounding metal parts.
- Before connecting, verify the correct supply voltage and wire connection according to the circuit used.
- During installation, maintain the appropriate mechanical position of the sensing surface relative to the detected object.
- The bracket is not included in certain package contents and must be purchased separately if required for installation.

Safety notice

- Incorrect wiring can lead to damage to the sensor or the associated electronics.
 - Carry out assembly and electrical connections with the power supply disconnected.
 - The product is an electrical component intended for professional or instructed installation in low-voltage DC circuits.
 - Protect the sensor from short-circuiting the wires and from overloading the output with an inappropriately connected load.
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Product gallery:

