Inductive proximity sensor SN04-D2

Product codes:

Reference: AM9294
EAN13: -
UPC: 85365080

Product features:

Current: 100 mA
Voltage: 6-36 V DC
Cable length: 200 cm
Waterproof grade: IP67

Product attributes:

Product description:

The SN04-D2 inductive proximity sensor is used for non-contact detection of metal objects in automation, measurement and control applications. It is designed for DC power supply and provides a switching output for downstream control circuits, relays, counters or PLCs. The design with a cable and a compact square body allows installation in machines, fixtures and working mechanisms.

Technical specifications

- Model: SN04-D2
- Product type: inductive proximity sensor
- Supply voltage: 6 to 36 V DC
- Maximum output current: 100 mA
- Switching function: NC
- Output type: DC 2-wire
- Detection distance: 4 mm
- Designed for detecting metal objects
- Body dimensions: 18 x 18 x 36 mm
- Body material: plastic

Functions and features

- Contactless sensing without mechanical wear of the switching parts.

- Compact square design suitable for installation in limited space.
- Cable connection for fixed installation into the device.
- Inductive sensing principle for detecting metal objects.
- The variant designation D2 corresponds to the NC version in the SN04 series.

Ideal for

- Industrial automation and simple control circuits.
- Detection of the position of metal parts of machines and mechanisms.
- Use with PLCs, counters, relays and input modules.
- End and presence sensing of metal parts.

Package contents

- 1x inductive proximity sensor SN04-D2 with connection cable

Why choose this product?

- Specifically defined power supply range of 6 to 36 V DC for use in low voltage DC systems.
- NC switching design for applications requiring a normally closed state.
- Inductive metal detection without the need for mechanical contact with the object being sensed.
- The compact dimensions of 18 x 18 x 36 mm make it easy to integrate into the device design.

Installation and operating instructions

- Install the sensor so that only the designated metal object is within range.
- Before connecting, verify that the supply voltage and electrical parameters of the input or load match.
- During installation, ensure proper cable routing and protection against mechanical damage.
- For reliable operation, observe the correct electrical connection according to the circuit used.

Safety notice

- Incorrect wiring may result in damage to the sensor or connected equipment.
- Only carry out installation and connection when the power supply is disconnected.
- The product is an electrical component intended for integration into equipment, not for stand-alone operation without appropriate

protection.
- When used in industrial or mechanical equipment, professional wiring is required.

Product gallery: