

Inductive sensor SN04 D2, PNP NC

Reference: AM4441
EAN13: -
HS code: 85365080



Product attributes:

Product features:

Voltage: 10-30 V DC
Cable length: 120 cm
Waterproof grade: IP67
Max. current: 200 mA

Product description:

This compact inductive sensor is used for non-contact detection of metal objects — ideal for automated equipment, production lines or secondary position control. With high durability and simple wiring, it ensures reliable operation in industrial applications.

Technical specifications

- Detection distance: 5 mm ±10%
- Adjustable switching distance: approx. 0-4 mm
- Supply voltage: DC 10 - 30 V
- Output current: max. 200 mA
- Output type: PNP, switching stage "Normally Closed" (NC) in variant D2.
- Case dimensions: 18 × 18 × 34 mm
- Weight: 50 g
- Protection level: IP67
- Housing material: ABS plastic (detection surface) + nickel-plated brass (according to sources for the SN04 series)
- Temperature range: typically -25 °C to +60 °C (source for SN04 variants)

Functions and features

- Safe contactless operation – no contact wear, long service life.
- Small, compact design (18×18×34 mm) – easy to use even in limited space.
- Universal power supply DC 10-30 V - suitable for common automation applications.
- The PNP NC output allows for simple wiring for safety or control functions.
- High environmental resistance thanks to IP67 protection - suitable for industrial operations with dust or moisture.
- Fast response – allows detection of fast moving metal parts.

Ideal for

- Automation lines – detection of the presence of metal parts on the conveyor.
- Control and security applications – monitoring the desired position of a part.
- Assembly and packaging machines – reliable non-contact sensing in demanding conditions.
- Retrofit installations – thanks to its low weight and compact dimensions, it is suitable for modernizing existing equipment.

Package contents

- 1 × inductive sensor SN04-D2

Why choose this product?

The SN04-D2 offers an excellent balance between price, performance and reliability. With its compact dimensions, common 10-30 V power supply, IP67 water and dust resistant design and PNP NC output, it is the ideal solution for industrial metal detection. Mounting in confined spaces is easy and installation is quick – choose a product that allows you to seamlessly monitor the presence of metal parts or the position of a component, without wearing out mechanical contacts.

