

Inductive sensor IFM IE5338 with M8 thread

Reference: AM1399
EAN13: 4021179085243
HS code: 85365080



Product attributes:

Product features:

Current: 100 mA
Voltage: 10-30 V DC
Waterproof grade: IP67

Product description:

The IFM IE5338 inductive sensor is a cylindrical threaded sensor for non-contact detection of metal objects in industrial applications. Its short design makes it suitable for installations with limited space. The sensor is designed for DC power supply and offers a switching output with LED status indication.

Technical specifications

- Model: IFM IE5338
- Product type: inductive sensor
- Electrical design: PNP/NPN
- Output function: switching, normally open
- Sensing range: 3 mm
- Operating voltage: 10 to 30 V DC
- Protection class: III
- Reverse polarity protection: yes
- Short circuit protection: yes
- Overload protection: yes
- DC switching frequency: 800 Hz
- Operating ambient temperature: 0 to 60 °C
- Protection: IP65, IP67 with properly tightened ifm socket
- Housing design: threaded
- Installation: flush-mounted
- Dimension: M8 x 1, length 40 mm
- Connector: 1x M8, A-coded
- Status indication: 4x LED, yellow
- Weight: 16.5g

Functions and features

- Non-contact detection of metal objects without mechanical wear of the sensing part.
- Short housing for use in space-constrained applications.
- Cylindrical metal body with thread for mounting in brackets and panels.
- Visible optical indication of the switching status via LED.
- M8 connector connection for quick connection and replacement.
- Designed for two-wire or three-wire connection.

Ideal for

- Detection of metal parts in automation and machinery.
- Positioning and presence control in assembly and conveyor systems.
- Installation with limited mounting space.
- Industrial applications requiring M8 connector connection and protection for operation in more demanding environments.

Package contents

- Inductive sensor IFM IE5338
- 2x lock nut

Why choose this product?

- It combines a compact M8 threaded design with a plug connection.
 - It offers a defined sensing range of 3 mm and a normally open switching output.
 - It contains integrated protection against reverse polarity, short circuit and overload.
 - The flush-mount design facilitates mechanical integration into the device.
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- LED indication simplifies function checking during installation and operation.

Installation and operating instructions

- When installing, observe the flush-mounting design of the sensor and suitable mounting conditions for inductive sensors.
- Use the corresponding M8 connector with A-coding.
- To maintain the declared protection, the connector must be correctly connected and tightened.
- Carry out installation and connection according to the manufacturer's diagram and with regard to the selected connection method.

Safety notice

- Only make connections when the power supply is disconnected.
- Incorrect electrical connection can lead to damage to the sensor or downstream electronics.
- The product is intended for DC circuits within the specified power supply range.
- When installing in an industrial facility, it is necessary to ensure proper mechanical fastening and protection of the cabling and connectors.
- Installation and commissioning should be carried out by a person with knowledge of industrial sensors and their connection.

