

# Inductive sensor IFM IE5338 with M8 thread

## Product codes:

Reference: AM1399

EAN13: 4021179085243

UPC: 85365080

## Product features:

Current: 100 mA

Voltage: 10-30 V DC

Waterproof grade: IP67



## Product attributes:

## 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
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- 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.
- 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.
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- 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.

#### **Product gallery:**

