

Inductive sensor IFM IE5339 with M8 thread

Reference: AM0973
EAN13: 4021179278225
HS code: 85365080



Product attributes:

Product features:

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

Product description:

The IFM IE5339 IEB30,2-BPKG/AS inductive sensor is designed for non-contact sensing of metal objects in industrial applications. Thanks to the M8 threaded cylindrical design and M8 connector, it is suitable for installations with limited space, where accurate short-range detection and visual signaling of the switching state are required.

Technical specifications

- Model: IFM IE5339
- Type designation: IEB30,2-BPKG/AS
- Sensor type: inductive sensor
- Electrical version: PNP
- Output function: normally open, normally closed contact not specified; output is normally open
- Sensing distance: 0.2mm for mild steel target
- Actual sensing range S_r : 0.2 mm \pm 10%
- Supply voltage: 10 to 30 V DC
- Current consumption: 10 mA
- Maximum output voltage drop: 2.5 V
- Continuous current of the DC switching output: 100 mA
- DC switching frequency: 300 Hz
- Protection class: III
- Reverse polarity protection: yes
- Short circuit protection: yes
- Overload protection: yes
- Housing design: threaded
- Mounting: non-flush
- Dimensions: M8 x 1 / L = 50
- Thread designation: M8 x 1
- Protection: IP65, IP67 with properly tightened ifm connector
- Ambient temperature: 0 to 80 °C
- Connector: 1x M8, A-coded
- Status indication: 4x LED, yellow
- Weight: 18.8g
- Accessories included: 2 fixing nuts

Functions and features

- Non-contact detection of metal objects at very short distances.
- Compact cylindrical design with thread for mechanical fastening in the mounting hole.
- The metal body is designed for use in industrial environments.
- Visible LED indication allows checking the switching status during operation.
- Electronic protections increase resistance to wiring errors and short circuits at the output.

Ideal for

- Position detection of metal parts in automation technology.
- Installation with limited mounting space.
- Machinery, fixtures and mechanical assemblies requiring a short sensing range.
- Industrial applications requiring M8 connector connection.

Package contents

- Inductive sensor IFM IE5339 IEB30,2-BPKG/AS
 - 2 fixing nuts
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Why choose this product?

- Specifically defined electrical parameters and protective functions.
- Compact size M8 x 1 with a length of 50 mm for small installation spaces.
- The short sensing range supports accurate detection near the sensing object.
- IP65 and IP67 protection, when connected correctly, supports use in industrial operations.
- The connector design makes it easier to replace the sensor during service interventions.

Installation and operating instructions

- Install the sensor as a non-flush sensor according to the manufacturer's installation diagram.
- To achieve the declared protection, use a properly tightened connector connection.
- Observe the specified tightening torque during installation.
- Connect according to the pinout and electrical diagram for the PNP version.

Safety notice

- Connect and start up with the power supply disconnected.
- Incorrect electrical connections may cause damage to the sensor or connected equipment.
- Installation and wiring must be performed by a person with knowledge of industrial sensors and the relevant wiring.
- When used in operations with vibrations or mechanical stress, regularly check the tightness of the sensor and connector.

