



AI052 Inductive sensor Standard Class IP67

Order by 2 pm - Shipping on the same working day

18,95 € offline price 20,05 €

Incl. 5.5% online discount for online orders

Overview

- short metal housing (brass, nickel plated) with M8 thread and M8 connector (3-pin)
- LED switch indicator visible from every direction
- sensing range 2 mm; flush mountable
- Normally closed (NC)
- Protection rating IP67

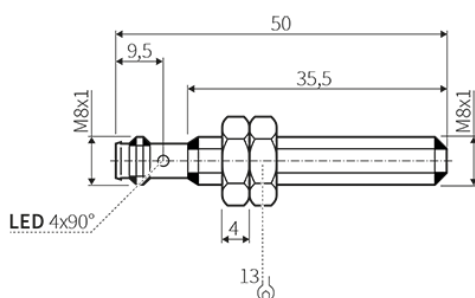
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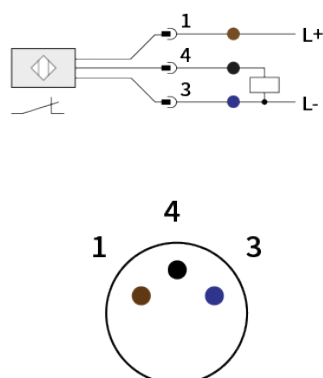
In daily use - proven millions of times over. Products from autosen are under highest quality requirements regarding robustness, insensitivity and reliability.

We offer 5 years warranty - with money-back guarantee!

Dimensional drawing



Connection & pin assignment



General information

Sensor type	Inductive sensor
Switching frequency	5000Hz
Switching distance	2 mm

Outputs / inputs

Switching output	Normally closed (NC)
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Electrical data

Operating voltage	10 ... 30 V DC
Voltage type	Direct voltage (DC)
Electrical design	PNP
Current carrying capacity max.	200mA
Voltage drop max.	1.8V
Current consumption max.	10mA
Short-circuit protection	Yes
Overload-proof	Yes
Reverse polarity protection	Yes

Mechanical data

Structural shape	Cylindrical with thread
Thread size	M8x1
Installation type	Flush
Structural length	50 mm
Material of housing	Nickel-plated brass
Material of active surface	PBT
Electrical connection	M8 3-pin Contacts gold-plated

Accuracy

Correction factors	V2A = 1 V2A ca. 0.8 Ms approx. 0.6 Al approx. 0.5 Cu approx. 0.4
Hysteresis	1 ... 20 % of the real switching distance Sr

Ambient conditions

Ambient temperature min.	-25°C
Ambient temperature max.	70°C
Protection rating	IP67

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5/10/2025



Additional information

Function display	4 x LED Visible all around Yellow
Accessories included with delivery	2 fastening nuts
EMC test	DIN EN 60947-5-2
Shock resistance test	DIN EN 60947-5-2
Vibration resistance test	DIN EN 60947-5-2
Approval	CE cURus



Accessories: M8 sensor cable | 3-pin | PUR | IP67



AA056

Sensor cable M8 3P PUR 2m IP67

Unit price: 6,15 €*



AA058

Sensor cable M8 3P PUR 2m IP67

Unit price: 6,54 €*



AA057

Sensor cable M8 3P PUR 5m IP67

Unit price: 8,11 €*



AA059

Sensor cable M8 3P PUR 5m IP67

Unit price: 8,62 €*

Accessories: M8 sensor cable | 3-pin | PVC | IP67



AA068

Sensor cable M8 3P PVC 2m IP67

Unit price: 4,54 €*



AA070

Sensor cable M8 3P PVC 2m IP67

Unit price: 4,82 €*



AA069

Sensor cable M8 3P PVC 5m IP67

Unit price: 6,26 €*



AA071

Sensor cable M8 3P PVC 5m IP67

Unit price: 6,64 €*

Accessories: Mounting bracket M8



AA901

M8 angle bracket

Unit price: 2,65 €*

Accessories: Switching amplifier / evaluation



AN001

One-channel switching amplifier

Unit price: 80,86 €*



AR003

Speed monitor

Unit price: 139,23 €*

Accessories: M8 sensor cable | 3-pin | PUR | IP69K



AA001

Sensor cable M8 3P PUR 2m IP69K

Unit price: 9,36 €*



AA020

Sensor cable M8 3P PUR 10m IP69K

Unit price: 15,55 €*



AA019

Sensor cable M8 3P PUR 10m IP69K

Unit price: 13,44 €*



AA004

Sensor cable M8 3P PUR 5m IP69K

Unit price: 12,84 €*



AA002

Sensor cable M8 3P PUR 5m IP69K

Unit price: 10,92 €*



AA003

Sensor cable M8 3P PUR 2m IP69K

Unit price: 11,23 €*

Accessories: M8/M12 connection cable | 3-pol. | PUR | IP67



AA213

Connection cable M8/M12 3P PUR 2m IP67

Unit price: 9,17 €*



AA214

Connection cable M8/M12 3P PUR 5m IP67

Unit price: 13,09 €*

Accessories: M8/M12 connection cable | 3-pin | PUR | IP69K



AA207

Connection cable M8/M12 3P PUR 2m IP69K

Unit price: 13,92 €*

Accessories: M12 connector | 4-pin | plug

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**AA946**

Wireable connector angled M12

Unit price: 7,01 €***AA921**

Wireable connector M12

Unit price: 7,01 €***AA961**Wireable connector angled M12
IP69k**Unit price: 15,00 €*****AA959**Wireable connector straight M12
IP69k**Unit price: 15,00 €***

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