



AI806 Inductive sensor miniature not flush IP67

Order by 2 pm - Shipping on the same working day

21,17 € offline price 22,40 €

Incl. 5.5% online discount for online orders

Overview

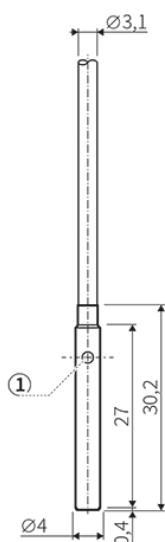
- Miniature sensor with smooth cylindrical design Ø 4 mm and axial 2 m PVC cable with open end and LED switch indicator
- With its very compact design and the 2 m cable, which allows the sensor to be guided out of the confined installation space, ideal for use in confined space applications, e.g. in robotics & handling technology
- sensing range 1.5 mm; non-flush mountable
- Normally open (NO)
- Protection rating IP67

In daily use - proven millions of times over. Products from autosens are under highest quality requirements regarding robustness, insensitivity and reliability. We offer 5 years warranty - with money-back guarantee!

www.autosens.com/AI806

Direct link to the article on autosens.com

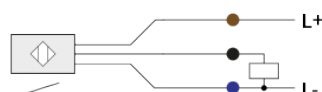
Dimensional drawing



Dimensional drawing legend

1: LED

Connection & pin assignment



Order online at
Order by telephone
Order by fax

www.autosens.com
+49 (0) 201/749 189 21
+49 (0) 201/749 189 22

autosens gmbh • Annastraße 41 • 45130 Essen
www.autosens.com • **info@autosens.com**
 We reserve the right to make technical changes without notice -
 6/5/2025



General information

Sensor type	Inductive sensor
Switching frequency	5000Hz
Switching distance	1.5 mm

Outputs / inputs

Switching output	Normally open (NO)
IO-Link	No

Electrical data

Operating voltage	10 ... 30 V DC
Voltage type	Direct voltage (DC)
Electrical design	PNP
Current carrying capacity max.	100mA
Voltage drop max.	1.5V
Current consumption max.	10mA
Short-circuit protection	Yes
Overload-proof	Yes
Reverse polarity protection	Yes

Mechanical data

Structural shape	Cylindrical
Thread size	Ø4 mm
Installation type	Not flush
Structural length	30.2 mm
Material of housing	V2A (1.4305)
Material of active surface	PBT
Electrical connection	Open cable
Cable length KL	2 m
Material of cable sheath	PVC

Accuracy

Correction factors	St37 = 1 V2A approx. 0.7 Ms approx. 0.3 Al approx. 0.2 Cu approx. 0.3
Hysteresis	1 ... 20 % of the real switching distance Sr



Ambient conditions

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

Additional information

Function display	LED Yellow
EMC test	DIN EN 60947-5-2
Shock resistance test	DIN EN 60947-5-2
Approval	CE cULus



Accessories: Mounting clamp Ø4 mm



AA974

Mounting clamp Ø4 mm

Unit price: 0,98 €*

Accessories: Switching amplifier / evaluation



AN001

One-channel switching amplifier

Unit price: 80,86 €*



AR003

Speed monitor

Unit price: 139,23 €*

Accessories: M12 connector | 4-pin | plug



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 €*

Order online at
Order by telephone
Order by fax

www.autosen.com
+49 (0) 201/749 189 21
+49 (0) 201/749 189 22

autosen gmbh • Annastraße 41 • 45130 Essen
www.autosen.com • info@autosen.com
We reserve the right to make technical changes without notice -
6/5/2025

