

# A0901 Photoelectric fork sensor 30 mm



Order by 2 pm - Shipping on the same working day

**101,40 €**

offline price  
~~107,30 €~~

Incl. 5.5% online discount for online orders

## Overview

- Photoelectric fork sensor made of anodised aluminium with M8 connector (3-pin)
- Torsion-resistant metal housing guarantees perfect functioning of the sensor even in fluctuating temperatures and under mechanical load
- Light-on/ dark-on mode switchable via potentiometer
- Protection rating IP67

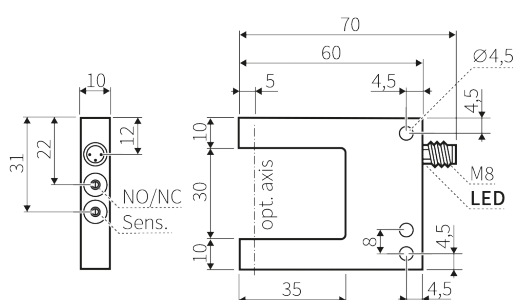
**[www.autosen.com/A0901](http://www.autosen.com/A0901)**

Direct link to the article on autosen.com

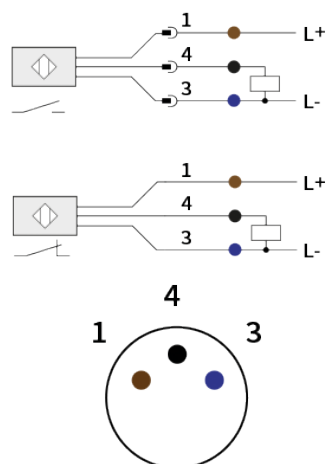
In daily use - proven millions of times over. Products from autosen are under highest quality requirements regarding robustness, insensitivity and reliability.

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

## Dimensional drawing



## Connection & pin assignment



## General information

|                     |                             |
|---------------------|-----------------------------|
| Sensor type         | Transmitter & receiver      |
| Switching frequency | 5000Hz                      |
| Type of light       | Red light                   |
| Switching distance  | 30 mm                       |
| Comment             | * Corresponds to fork width |

## Outputs / inputs

|                  |                                  |
|------------------|----------------------------------|
| Switching output | light-on/dark-on mode selectable |
| IO-Link          | No                               |

## Electrical data

|                                |                                     |
|--------------------------------|-------------------------------------|
| Operating voltage              | 10 ... 36 V DC supply class 2 cULus |
| Voltage type                   | Direct voltage (DC)                 |
| Electrical design              | PNP                                 |
| Current carrying capacity max. | 200mA                               |
| Voltage drop max.              | 2.5V                                |
| Current consumption max.       | 35mA                                |
| Protection class               | III                                 |
| Short-circuit protection       | Yes                                 |
| Overload-proof                 | Yes                                 |
| Reverse polarity protection    | Yes                                 |

## Mechanical data

|                       |                                     |
|-----------------------|-------------------------------------|
| Material of housing   | Aluminium anodised                  |
| Electrical connection | M8<br>3-pin<br>Contacts gold-plated |

## Accuracy

|                                |           |
|--------------------------------|-----------|
| Reproducibility                | < 0,01 mm |
| Smallest object to be detected | Ø 0.4 mm  |

## Ambient conditions

|                          |       |
|--------------------------|-------|
| Ambient temperature min. | -10°C |
| Ambient temperature max. | 60°C  |
| Protection rating        | IP67  |



**Additional information**

---

|                  |          |
|------------------|----------|
| MTTF             | 520years |
| Function display | LED      |
|                  | Yellow   |
| Approval         | CE       |

**Order online at**  
**Order by telephone**  
**Order by fax**

[www.autosen.com](http://www.autosen.com)  
**+49 (0) 201/749 189 21**  
**+49 (0) 201/749 189 22**

autosen gmbh • Annastraße 41 • 45130 Essen  
[www.autosen.com](http://www.autosen.com) • [info@autosen.com](mailto:info@autosen.com)  
We reserve the right to make technical changes without notice -  
6/3/2025



## 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: 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 sensor cable | 3-pin | PUR | IP69K



### AA001

Sensor cable M8 3P PUR 2m IP69K

Unit price: 9,36 €\*



### AA019

Sensor cable M8 3P PUR 10m IP69K

Unit price: 13,44 €\*



### AA002

Sensor cable M8 3P PUR 5m IP69K

Unit price: 10,92 €\*

## 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

Order online at  
Order by telephone  
Order by fax

[www.autosen.com](http://www.autosen.com)  
+49 (0) 201/749 189 21  
+49 (0) 201/749 189 22

autosen gmbh • Annastraße 41 • 45130 Essen  
[www.autosen.com](http://www.autosen.com) • [info@autosen.com](mailto:info@autosen.com)  
We reserve the right to make technical changes without notice -  
6/3/2025



**AA207**

Connection cable M8/M12 3P  
PUR 2m IP69K

**Unit price: 13,92 €\***

---

**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](http://www.autosen.com)**  
**+49 (0) 201/749 189 21**  
**+49 (0) 201/749 189 22**

autosen gmbh • Annastraße 41 • 45130 Essen  
**[www.autosen.com](http://www.autosen.com)** • **[info@autosen.com](mailto:info@autosen.com)**  
We reserve the right to make technical changes without notice -  
6/3/2025

