

A0902 Photoelectric fork sensor 50 mm



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72,01 € offline price 76,20 €

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

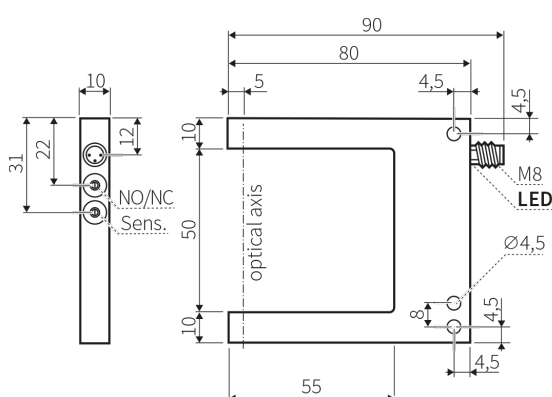
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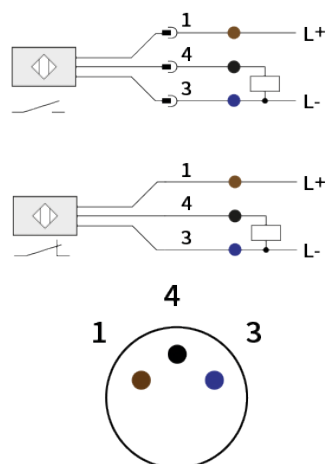
In daily use - proven millions of times over. Products from autosen are under highest quality requirements regarding robustness, insensitivity and reliability.

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

Dimensional drawing



Connection & pin assignment



General information

Sensor type	Transmitter & receiver
Switching frequency	5000Hz
Type of light	Red light
Switching distance	50 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 3-pin 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	475years
Function display	LED
	Yellow
Approval	CE

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We reserve the right to make technical changes without notice -
7/29/2025



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

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**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 €*

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