



## A0001 Photoelectric sensor IP69K stainless steel housing

• Diffuse reflection sensor

⇒ 2 ... 200 mm

✱ Red light

Order by 2 pm - Shipping on the same working day

**71,02 €** offline price  
~~75,15 €~~

Incl. 5.5% online discount for online orders

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!

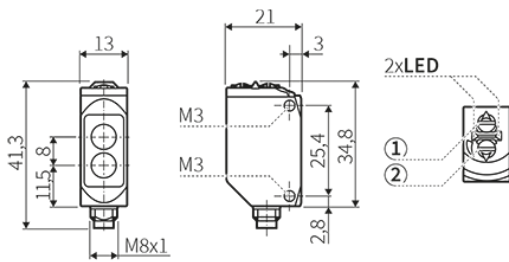
- IO-Link interface
- 5.5% online discount
- Diffuse reflection sensor with background suppression
- 5-year warranty
- Can be used in hygienic and wet areas
- Fast delivery

**[www.autosen.com/A0001](http://www.autosen.com/A0001)**

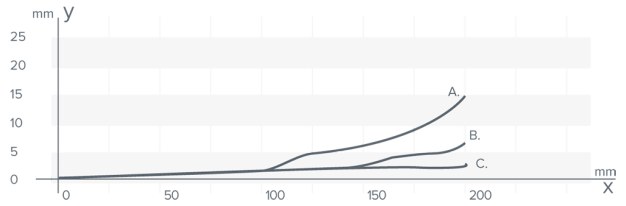
Direct link to the article on autosen.com



## Dimensional drawing



## Accuracy bend



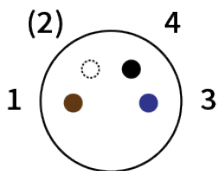
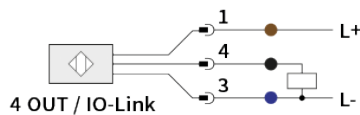
## Dimensional drawing legend

- 1: output function switch
- 2: potentiometer sensitivity

## Accuracy bend legend

- a: Object black (6 % remission), background (white 90 % remission)
- b: Object grey (18 % remission), background (white 90 % remission)
- c: Object white (90 % remission), background (white 90 % remission)
- x: distance sensor / object [mm]
- y: min. distance object / background [mm]

## Connection & pin assignment



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## General information

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Switching distance	2 ... 200 mm
Comment	*With regard to white paper 200x200 mm, 90% diffuse reflectance
Background suppression	Yes
Sensor type	Diffuse reflection sensor
Switching frequency	1000Hz
Type of light	Red light

## Outputs / inputs

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Switching output	Light/dark switching programmable
IO-Link	Yes

## Electrical data

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Operating voltage	10 ... 30 V DC supply class 2 cULus
Voltage type	Direct voltage (DC)
Electrical design	PNP
Current carrying capacity max.	100mA
Voltage drop max.	2.5V
Current consumption max.	20mA
Protection class	III
Short-circuit protection	Yes
Overload-proof	Yes
Reverse polarity protection	Yes

## Mechanical data

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Structural shape	Cuboid
Material of housing	V4A (1.4404) PPSU
Material of active surface	PMMA
Electrical connection	M8 4-pin Contacts gold-plated

## Accuracy

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Light spot diameter	8 mm with max. scanning range
Accuracy	2...15 mm; depending on the colour and distance of the object/background



## Ambient conditions

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Ambient temperature min.	-25°C
Ambient temperature max.	80°C
Protection rating	IP65
	IP67
	IP68
	IP69k

## Additional information

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MTTF	708years
Function display	Switching status: LED, yellow
	Operation: LED, green
Accessories included with delivery	No accessories included
EMC test	DIN EN 60947-5-2
Approval	CE
	cULus



## Accessories: Switched-mode power supplies/Pulse monitoring



### AN001

One-channel switching amplifier

Unit price: 68,28 €\*



### AR003

Speed monitor

Unit price: 116,34 €\*

## Accessories: Connection technology



### AA009

Sensor cable 2 m PUR M8 4-pole  
IP69k

Unit price: 7,84 €\*



### AA011

Sensor cable 2 m PUR M8 4-pole  
IP69k

Unit price: 7,84 €\*



### AA013

Sensor cable 2 m PVC M8 4-pole  
IP69k

Unit price: 8,71 €\*



### AA015

Sensor cable 2 m PVC M8 4-pole  
IP69k

Unit price: 8,71 €\*



### AA012

Sensor cable 5 m PUR M8 4-pole  
IP69k

Unit price: 9,12 €\*



### AA010

Sensor cable 5 m PUR M8 4-pole  
IP69k

Unit price: 9,12 €\*



### AA016

Sensor cable 5 m PVC M8 4-pole  
IP69k

Unit price: 10,22 €\*



### AA014

Sensor cable 5 m PVC M8 4-pole  
IP69k

Unit price: 10,22 €\*



### AA022

Sensor cable 10 m PUR M8 4-pole  
IP69k

Unit price: 11,86 €\*



### AA021

Sensor cable 10 m PUR M8 4-pole  
IP69k

Unit price: 11,86 €\*



### AA208

Connection cable 2 m PUR M8/M12  
IP69k 4-pin

Unit price: 12,45 €\*



### AA029

Sensor cable 10 m PVC M8 4-pole  
IP69k

Unit price: 13,14 €\*



### AA030

Sensor cable 10 m PVC M8 4-pole  
IP69k

Unit price: 13,14 €\*

## Accessories: Mounting accessories



### AA907

Angle bracket

Unit price: 4,81 €\*

## Accessories: IO-Link



### ADS01

IO-Link starter kit

Unit price: 249,00 €\*



### AD002

autosen.io

Unit price: 86,83 €\*



### AD001

IO-Link Master

Unit price: 246,52 €\*

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