

## A0002 Retro-reflective sensor IP69K stainless steel housing

Order by 2 pm - Shipping on the same working day

**81,84 €** offline price  
~~86,60 €~~

Incl. 5.5% online discount for online orders

### Overview

- Retro-reflective sensor with stainless steel housing in rectangular design and M8 connector (4-pin)
- Sensing range 0.05...5 m
- Light-on/dark-on mode programmable
- can be used in hygienic & wet zones
- The polarisation filter in combination with a prismatic reflector minimises the probability of false switching due to highly reflective objects; therefore ideally suited for the detection of highly reflective objects

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

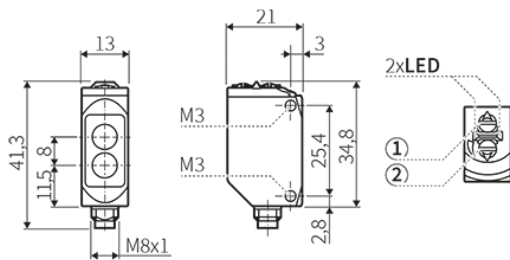
We offer 5 years warranty - with money-back guarantee!

**[www.autosen.com/A0002](http://www.autosen.com/A0002)**

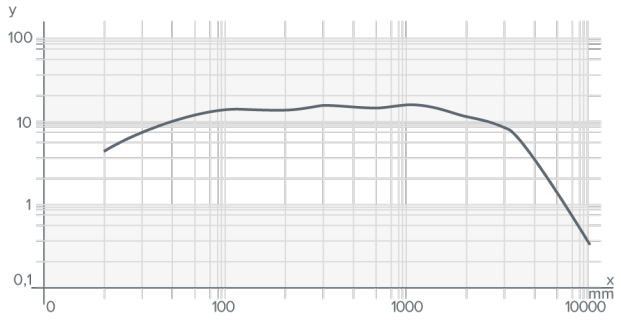
Direct link to the article on [www.autosen.com](http://www.autosen.com)



## Dimensional drawing



## Function reserve bend



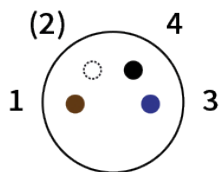
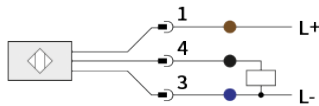
## Dimensional drawing legend

- 1: output function switch
- 2: potentiometer sensitivity

## Function reserve bend legend

- x - distance [mm]
- y - excess gain factor

## Connection & pin assignment



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 -  
3/30/2025



## General information

---

Sensor type	Retro-reflective sensor
Background suppression	No
Switching frequency	1000Hz
Type of light	Red light
Switching distance	0.05 ... 5 m

## Outputs / inputs

---

Switching output	Light/dark switching programmable
IO-Link	Yes

## Electrical data

---

Voltage drop of function control output	2.5V
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

---

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

## Accuracy

---

Light spot diameter	150 mm (with max. range)
---------------------	--------------------------



## Ambient conditions

---

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

## Additional information

---

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: M8 sensor cable | 4-pin | PUR | IP67



**AA062**  
Sensor cable M8 4P PUR 2m IP67 **Unit price: 6,92 €\***



**AA060**  
Sensor cable M8 4P PUR 2m IP67 **Unit price: 8,22 €\***



**AA061**  
Sensor cable M8 4P PUR 5m IP67 **Unit price: 8,70 €\***



**AA063**  
Sensor cable M8 4P PUR 5m IP67 **Unit price: 9,23 €\***

## Accessories: M8 sensor cable | 4-pin | PVC | IP67



**AA072**  
Sensor cable M8 4P PVC 2m IP67 **Unit price: 5,17 €\***



**AA074**  
Sensor cable M8 4P PVC 2m IP67 **Unit price: 5,49 €\***



**AA073**  
Sensor cable M8 4P PVC 5m IP67 **Unit price: 6,61 €\***



**AA075**  
Sensor cable M8 4P PVC 5m IP67 **Unit price: 7,03 €\***

## Accessories: Prismatic reflectors and reflective tape



**AA976**  
Reflective tape 50x1000 mm **Unit price: 11,52 €\***



**AA949**  
Prismatic reflector 42 mm **Unit price: 2,12 €\***



**AA951**  
Prismatic reflector 48x48 mm **Unit price: 4,26 €\***



**AA950**  
Prismatic reflector 80 mm **Unit price: 3,06 €\***

## Accessories: Angle bracket



**AA907**  
Angle bracket **Unit price: 7,60 €\***

## Accessories: IO-Link



**AD002**  
autosen.io **Unit price: 116,47 €\***



**AD001**  
IO-Link Master **Unit price: 274,64 €\***



**ADS01**  
IO-Link starter kit **Unit price: 299,00 €\***



**AD009**  
IO-Link IoT-Master **Unit price: 407,49 €\***

## Accessories: M12/M12 connection cable | 4-pol. | PUR | IP67



**AA209**  
Connection cable M12/M12 4P  
PUR 2m IP67 **Unit price: 9,29 €\***



**AA211**  
Connection cable M12/M12 4P  
PUR 2m IP67 **Unit price: 10,71 €\***



**AA210**  
Connection cable M12/M12 4P  
PUR 5m IP67 **Unit price: 12,44 €\***



**AA212**  
Connection cable M12/M12 4P  
PUR 5m IP67 **Unit price: 13,22 €\***

## Accessories: M8/M12 connection cable | 4-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 -  
3/30/2025



**AA208**Connection cable M8/M12 4P  
PUR 2m IP69K**Unit price: 14,47 €\*****Accessories: M8 sensor cable | 4-pin | PUR | IP69K****AA009**Sensor cable M8 4P PUR 2m  
IP69K**Unit price: 9,84 €\*****AA022**Sensor cable M8 4P PUR 10m  
IP69K**Unit price: 14,23 €\*****AA021**Sensor cable M8 4P PUR 10m  
IP69K**Unit price: 14,23 €\*****AA012**Sensor cable M8 4P PUR 5m  
IP69K**Unit price: 11,52 €\*****AA010**Sensor cable M8 4P PUR 5m  
IP69K**Unit price: 11,52 €\*****AA011**Sensor cable M8 4P PUR 2m  
IP69K**Unit price: 9,84 €\*****Accessories: M8 sensor cable | 4-pin | PVC | IP69K****AA030**Sensor cable M8 4P PVC 10m  
IP69K**Unit price: 15,72 €\*****AA029**Sensor cable M8 4P PVC 10m  
IP69K**Unit price: 15,72 €\*****AA016**Sensor cable M8 4P PVC 5m  
IP69K**Unit price: 13,03 €\*****AA014**Sensor cable M8 4P PVC 5m  
IP69K**Unit price: 13,03 €\*****AA015**Sensor cable M8 4P PVC 2m  
IP69K**Unit price: 10,99 €\*****AA013**Sensor cable M8 4P PVC 2m  
IP69K**Unit price: 10,99 €\*****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 -  
3/30/2025