

AC010 Capacitive sensor Standard Class IP67, rectangular



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47,48 € offline price 50,24 €

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Overview

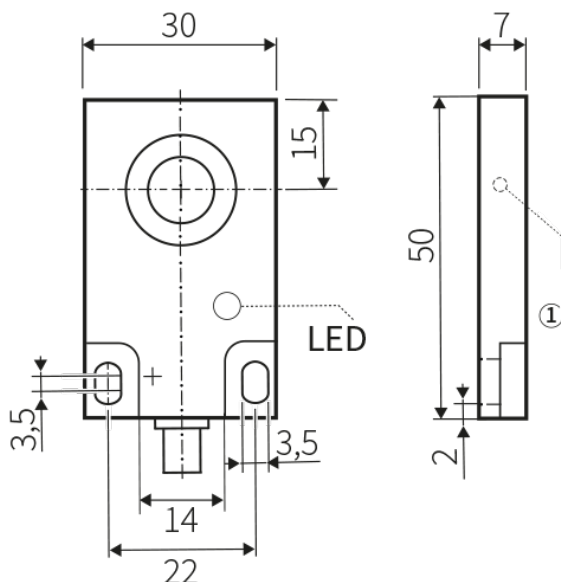
- rectangular-shaped plastic housing (PBT) with pigtail and M8 connector
- Can be set via potentiometer
- sensing range 6 mm
- Normally open (NO)
- flush mountable

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!

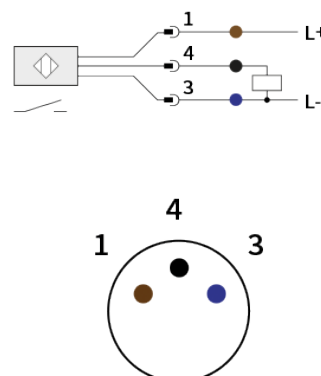
www.autosens.com/AC010

Direct link to the article on autosens.com

Dimensional drawing



Connection & pin assignment



Dimensional drawing legend

1: Potentiometer for sensitivity setting

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General information

Sensor type	Capacitive sensor
Switching frequency	100Hz
Switching distance	6 mm

Outputs / inputs

Switching output	Normally open (NO)
IO-Link	No

Electrical data

Operating voltage	10 ... 35 VDC
Voltage type	Direct voltage (DC)
Electrical design	PNP
Current carrying capacity max.	200mA
Voltage drop max.	1.5V
Current consumption max.	8mA
Protection class	III
Short-circuit protection	Yes
Overload-proof	Yes
Reverse polarity protection	Yes

Mechanical data

Structural shape	Cuboid
Installation type	Flush
Material of active surface	PBT
Electrical connection	M8 3-pin

Accuracy

Correction factors	ceramic ca. 0.6 glas ca. 0.5 oil ca. 0.3 V2A = 1 water = 1 alcohol ca. 0.7
Hysteresis	1 ... 15 % of the real switching distance Sr
Reproducibility	< 1 % of the real switching distance Sr
Temperaturdrift	< 10 % of the real switching distance Sr



Ambient conditions

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

Additional information

MTTF	466years
Function display	LED Yellow
EMC test	DIN EN 61000-4-2 ESD DIN EN 61000-4-3 HF radiated DIN EN 61000-4-4 burst DIN EN 61000-4-6 HF grid-bound
Approval	CE



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 €***



AN002

Switching amplifier two-point control **Unit price: 120,55 €***

Accessories: M12 sensor cable | 4-pin | PVC | IP67



AA042

Sensor cable M12 4P PVC 10m IP67 **Unit price: 10,97 €***



AA039

Sensor cable M12 4P PVC 10m IP67 **Unit price: 10,58 €***



AA041

Sensor cable M12 4P PVC 5m IP67 **Unit price: 8,22 €***



AA038

Sensor cable M12 4P PVC 5m IP67 **Unit price: 7,80 €***



AA040

Sensor cable M12 4P PVC 2m IP67 **Unit price: 6,00 €***



AA037

Sensor cable M12 4P PVC 2m IP67 **Unit price: 5,97 €***



AA064

Sensor cable M12 4P PVC 2m IP67 **Unit price: 4,52 €***



AA066

Sensor cable M12 4P PVC 2m IP67 **Unit price: 4,83 €***



AA065

Sensor cable M12 4P PVC 5m IP67 **Unit price: 6,05 €***



AA067

Sensor cable M12 4P PVC 5m IP67 **Unit price: 6,43 €***

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 €***

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Accessories: M12 sensor cable | 4-pin | PUR | IP67



AA052

Sensor cable M12 4P PUR 2m
IP67

Unit price: 6,07 €*



AA054

Sensor cable M12 4P PUR 2m
IP67

Unit price: 6,45 €*



AA053

Sensor cable M12 4P PUR 5m
IP67

Unit price: 8,15 €*



AA055

Sensor cable M12 4P PUR 5m
IP67

Unit price: 8,65 €*

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



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 €*

Accessories: PNP-NPN converter



AA033

PNP-NPN converter 5 m PUR M12
BKout

Unit price: 12,84 €*

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