



AI067 Inductive Factor-1-Sensor IP67

Order by 2 pm - Shipping on the same working day

35,83 € offline price
~~37,92 €~~

Incl. 5.5% online discount for online orders

Overview

- cube-shaped plastic housing (PA) with LED switch indicator and M12 connector (4-pin)
- Same sensing range (correction factor 1) for all metals
- sensing range 40 mm; non-flush mountable
- Switching output antivalent
- Protection rating IP67

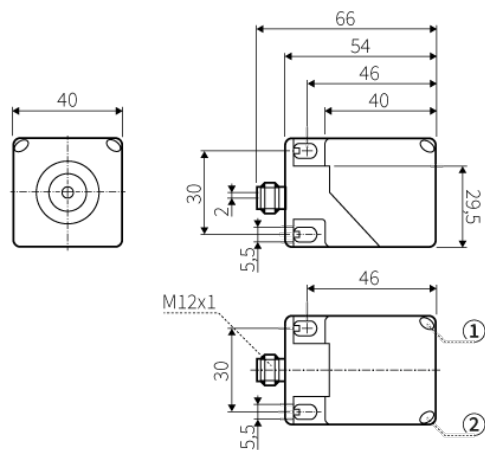
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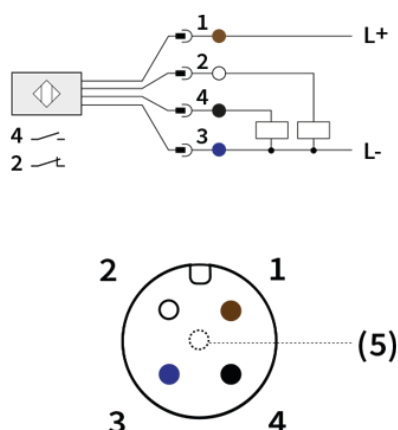
In daily use - proven millions of times over. Products from autosen are under highest quality requirements regarding robustness, insensitivity and reliability.

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

Dimensional drawing



Connection & pin assignment



Dimensional drawing legend

1: LED yellow

2: LED green

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General information

Sensor type	Inductive Factor 1
Switching frequency	200Hz
Switching distance	40 mm

Outputs / inputs

Switching output	Antivalent
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.	20mA
Protection class	II
Short-circuit protection	Yes
Overload-proof	Yes
Reverse polarity protection	Yes

Mechanical data

Structural shape	Cuboid
Installation type	Not flush
Structural length	66 mm
Material of housing	PA
Material of active surface	PA
Electrical connection	M12 4-pin Contacts gold-plated

Accuracy

Correction factors	St37 = 1 V2A = 1 Ms = 1 Al = 1 Cu = 1
Hysteresis	1 ... 20 % of the real switching distance Sr



Ambient conditions

Ambient temperature min.	-25°C
Ambient temperature max.	70°C
Magnetic field-resistant	Yes up to 300 mT
Protection rating	IP67

Additional information

MTTF	972years
Function display	Yellow Green 2 x LED
Accessories included with delivery	No accessories included
EMC test	DIN EN 55011: Class B DIN EN 61000-4-2 ESD DIN EN 61000-4-3 HF radiated DIN EN 61000-4-4 burst DIN EN 61000-4-5 surge DIN EN 61000-4-6 HF grid-bound
Approval	CE cULus



Accessories: Mounting plate



AA905
Mounting plate

Unit price: 5,58 €*

Accessories: Switching amplifier / evaluation



AN001
One-channel switching amplifier

Unit price: 80,86 €*



AR003
Speed monitor

Unit price: 139,23 €*

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: M12/M12 connection cable | 4-pin | PUR | IP69K



AA206
Connection cable M12/M12 4P
PUR 10m IP69K

Unit price: 25,20 €*



AA205
Connection cable M12/M12 4P
PUR 10m IP69K

Unit price: 22,15 €*



AA204
Connection cable M12/M12 4P
PUR 5m IP69K

Unit price: 20,65 €*



AA202
Connection cable M12/M12 4P
PUR 5m IP69K

Unit price: 17,28 €*



AA203
Connection cable M12/M12 4P
PUR 2m IP69K

Unit price: 17,48 €*



AA201
Connection cable M12/M12 4P
PUR 2m IP69K

Unit price: 14,11 €*

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: 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 €*

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**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: M12 sensor cable | 4-pin | PVC | IP69K****AA025**Sensor cable M12 4P PVC 25m
IP69K**Unit price: 23,59 €*** **AA027**Sensor cable M12 4P PVC 10m
IP69K**Unit price: 17,04 €*** **AA024**Sensor cable M12 4P PVC 10m
IP69K**Unit price: 15,12 €*** **AA026**Sensor cable M12 4P PVC 5m
IP69K**Unit price: 14,35 €*** **AA023**Sensor cable M12 4P PVC 5m
IP69K**Unit price: 12,31 €*** **AA032**Sensor cable M12 4P PVC 2m
IP69K**Unit price: 12,72 €*** **AA031**Sensor cable M12 4P PVC 2m
IP69K**Unit price: 12,04 €*** **AA028**Sensor cable M12 4P PVC 25m
IP69K**Unit price: 26,04 €*** **Accessories: M12 sensor cable | 4-pin | PUR | IP69K****AA018**Sensor cable M12 4P PUR 10m
IP69K**Unit price: 15,55 €*** **AA017**Sensor cable M12 4P PUR 10m
IP69K**Unit price: 13,44 €*** **AA008**Sensor cable M12 4P PUR 5m
IP69K**Unit price: 12,84 €*** **AA006**Sensor cable M12 4P PUR 5m
IP69K**Unit price: 10,92 €*** **AA007**Sensor cable M12 4P PUR 2m
IP69K**Unit price: 11,23 €*** **AA005**Sensor cable M12 4P PUR 2m
IP69K**Unit price: 9,36 €*** **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: M12 connector | 4-pin | socket****AA947**

Wireable socket angled M12

Unit price: 6,91 €* **AA939**

Wireable socket M12

Unit price: 6,91 €* **AA962**

Wireable socket angled M12 IP69K

Unit price: 15,00 €* **AA960**Wireable socket straight M12
IP69K**Unit price: 15,00 €*** **Accessories: Passive splitter**Order online at
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**AA501**

Passive splitter 4x M12 5 m PUR

Unit price: 40,56 €* **AA502**

Passive splitter 8x M12 5 m PUR

Unit price: 56,65 €* **AA503**

Passive splitter 4x M12 10 m PUR

Unit price: 54,43 €* **AA504**

Passive splitter 8x M12 10 m PUR

Unit price: 74,03 €*

Accessories: PNP-NPN converter

**AA033**PNP-NPN converter 5 m PUR M12
BKout**Unit price: 12,84 €*** **AA034**PNP-NPN converter 5 m PUR M12
WHout**Unit price: 12,84 €***

Accessories: Y-distributor

**AA046**

Y-splitter cable M12/2xM12

Unit price: 18,67 €* **AA922**

Y distributor M12/2xM12

Unit price: 12,27 €* 