

AI037 Inductive Factor-1-Sensor IP69K



↳ Normally open	⇒) 6 mm	Ø M8
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Order by 2 pm - Shipping on the same working day

27,72 € offline price
~~29,33 €~~

Incl. 5.5% online discount for online orders

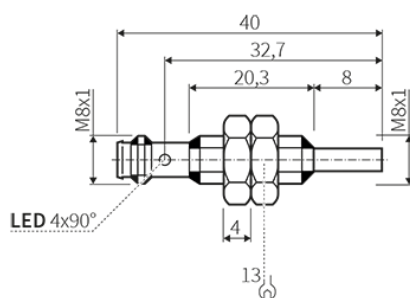
- DC, 10 ... 30 V, normally open, PNP
- 5.5% online discount
- Protection rating IP 65 | IP 66 | IP 67 | IP 68 | IP 69K
- 5-year warranty
- With LED output status indication
- Fast delivery

www.autosen.com/AI037

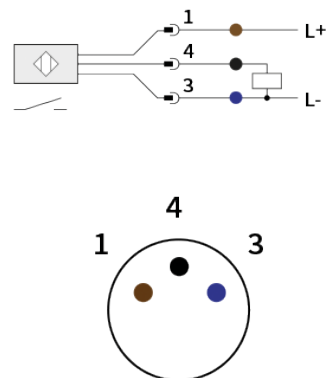
Direct link to the article on autosen.com

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

Switching distance	6 mm
Switching frequency	2000Hz

Outputs / inputs

Switching output	Normally open (NO)
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Electrical data

Operating voltage	10 ... 30 V DC
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	Cylindrical with thread
Thread size	M8x1
Installation type	Not flush
Structural length	40 mm
Material of housing	Stainless steel
Material of active surface	LCP
Electrical connection	M8 Contacts gold-plated 3-pin

Accuracy

Correction factors	St37 = 1 V2A = 1 Ms = 1 Al = 1 Cu = 1
Hysteresis	3 ... 15 % of the real switching distance Sr



Ambient conditions

Ambient temperature min.	-40°C
Ambient temperature max.	85°C
Protection rating	IP65
	IP66
	IP67
	IP68
	IP69k

Additional information

MTTF	552years
Function display	4 x LED
	Yellow
Accessories included with delivery	2 fastening nuts
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 61000-4-6 HF grid-bound
Shock resistance test	DIN EN 60068-2-27
Long-term shock resistance test	EN 60068-2-29 Eb
Salt spray test	EN 60068-2-52 Kb
Rapid temperature change test	EN 60068-2-14 Na
Vibration resistance test	DIN EN 60068-2-6 Fc
Approval	CE
	cULus



Accessories: Switched-mode power supplies/Pulse monitoring



AN001

One-channel switching amplifier

Unit price: 65,28 €*



AR003

Speed monitor

Unit price: 115,55 €*

Accessories: Connection technology



AA001

Sensor cable 2 m PUR M8 3-pole
IP69k

Unit price: 6,39 €*



AA002

Sensor cable 5 m PUR M8 3-pole
IP69k

Unit price: 7,58 €*



AA003

Sensor cable 2 m PUR M8 3-pole
IP69k

Unit price: 7,75 €*



AA004

Sensor cable 5 m PUR M8 3-pole
IP69k

Unit price: 8,84 €*



AA019

Sensor cable 10 m PUR M8 3-pole
IP69k

Unit price: 10,28 €*



AA207

Connection cable 2 m PUR M8/M12
IP69k 3-pin

Unit price: 11,44 €*



AA020

Sensor cable 10 m PUR M8 3-pole
IP69k

Unit price: 11,63 €*

Accessories: Mounting accessories



AA901

M8 angle bracket

Unit price: 1,98 €*

Order online at
Order by telephone
Order by fax

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