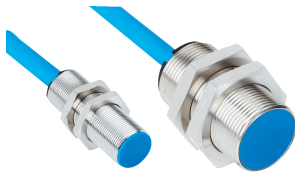


IMN

NAMUR sensors for explosive zones

INDUCTIVE PROXIMITY SENSORS

SICK
Sensor Intelligence.



Technical data overview

Housing	Cylindrical thread design
Thread size	M8 x 1 M12 x 1 M18 x 1 M30 x 1.5
Diameter	Ø 8 mm ... Ø 30 mm (depending on type)
Sensing range S_n	1 mm ... 15 mm (depending on type)
Housing material	Brass
Enclosure rating	IP67

Product description

Safe detection in ATEX areas. The IMN sensors are available for this due to their high quality and reliability. No whether in category 1G or 2G, the NAMUR sensors from SICK are perfectly suited for explosion-hazardous areas.

At a glance

- Types: M8 to M30
- Sensing ranges: 1 mm to 15 mm
- NAMUR according to DIN EN 60947-5-6
- Enclosure rating: IP 67
- Temperature range: -20 °C to +70 °C
- Nickel-plated brass housing; plastic sensing face
- ATEX device category 1G and 2G
- Suitable for applications in explosion-hazardous areas

Your benefits

- Exceptional protection in explosive areas
- Category 1G and 2G for zones 0 and 1
- Output according to DIN EN 60947-5-6

Ordering information

Other models and accessories → www.sick.com/IMN

- **Sub product family:** IM08 NAMUR
- **Cylindrical thread design:** M8
- **Installation type:** flush
- **Info:** II 1G Ex ia IIC T6 Ga Ta -20 °C ... +70 °C PTB 03 ATEX 2037 In the framework of directive 2014/34/EU (ATEX) and DIN EN ISO/IEC 80079-34, we would like to point out that the traceability of the ordered device to your customer is your responsibility (documentation of your customer and associated product data, such as part number, datcode, serial number).

Sensing range S_n	Switching output	Output function	Connection type	Type	Part no.
1 mm	NAMUR	NC	Cable, 2-wire, 2 m	IM08-01B-N-ZW0	6021123

- **Sub product family:** IM12 NAMUR
- **Cylindrical thread design:** M12
- **Installation type:** flush
- **Info:** II 1G Ex ia IIC T6 Ga Ta -20 °C ... +70 °C PTB 03 ATEX 2037 In the framework of directive 2014/34/EU (ATEX) and DIN EN ISO/IEC 80079-34, we would like to point out that the traceability of the ordered device to your customer is your responsibility (documentation of your customer and associated product data, such as part number, datcode, serial number).

Sensing range S_n	Switching output	Output function	Connection type	Type	Part no.
2 mm	NAMUR	NC	Cable, 2-wire, 2 m	IM12-02B-N-ZW0	6021124

- **Sub product family:** IM12 NAMUR
- **Cylindrical thread design:** M12
- **Installation type:** non-flush
- **Info:** II 1G Ex ia IIC T6 Ga Ta -20 °C ... +70 °C PTB 03 ATEX 2037 In the framework of directive 2014/34/EU (ATEX) and DIN EN ISO/IEC 80079-34, we would like to point out that the traceability of the ordered device to your customer is your responsibility (documentation of your customer and associated product data, such as part number, datcode, serial number).

Sensing range S_n	Switching output	Output function	Connection type	Type	Part no.
4 mm	NAMUR	NC	Cable, 2-wire, 2 m	IM12-04N-N-ZW0	6021125

- **Sub product family:** IM18 NAMUR
- **Cylindrical thread design:** M18
- **Installation type:** flush
- **Info:** II 1G Ex ia IIC T6 Ga Ta -20 °C ... +70 °C, II 2 G Ex ia IIC T6 Gb Ta: -20 °C ... +70 °C PTB 03 ATEX 2037 In the framework of directive 2014/34/EU (ATEX) and DIN EN ISO/IEC 80079-34, we would like to point out that the traceability of the ordered device to your customer is your responsibility (documentation of your customer and associated product data, such as part number, datcode, serial number).

Sensing range S_n	Switching output	Output function	Connection type	Type	Part no.
5 mm	NAMUR	NC	Cable, 2-wire, 2 m	IM18-05B-N-ZW0	6021126

- **Sub product family:** IM18 NAMUR
- **Cylindrical thread design:** M18
- **Installation type:** non-flush
- **Info:** II 1G Ex ia IIC T6 Ga Ta -20 °C ... +70 °C, II 2 G Ex ia IIC T6 Gb Ta: -20 °C ... +70 °C PTB 03 ATEX 2037 In the framework of directive 2014/34/EU (ATEX) and DIN EN ISO/IEC 80079-34, we would like to point out that the traceability of the ordered device to your customer is your responsibility (documentation of your customer and associated product data, such as part number, datcode, serial number).

Sensing range S_n	Switching output	Output function	Connection type	Type	Part no.
8 mm	NAMUR	NC	Cable, 2-wire, 2 m	IM18-08N-N-ZW0	6021127

- **Sub product family:** IM30 NAMUR
- **Cylindrical thread design:** M30
- **Installation type:** flush
- **Info:** II 1G Ex ia IIC T6 Ga Ta -20 °C ... +70 °C, II 2 G Ex ia IIC T6 Gb Ta: -20 °C ... +70 °C PTB 03 ATEX 2037 In the framework of directive 2014/34/EU (ATEX) and DIN EN ISO/IEC 80079-34, we would like to point out that the traceability of the ordered device to your customer is your responsibility (documentation of your customer and associated product data, such as part number, datcode, serial number).

Sensing range S _n	Switching output	Output function	Connection type	Type	Part no.
10 mm	NAMUR	NC	Cable, 2-wire, 2 m	IM30-10B-N-ZW0	6021128

- **Sub product family:** IM30 NAMUR
- **Cylindrical thread design:** M30
- **Installation type:** non-flush
- **Info:** II 1G Ex ia IIC T6 Ga Ta -20 °C ... +70 °C, II 2 G Ex ia IIC T6 Gb Ta: -20 °C ... +70 °C PTB 03 ATEX 2037 In the framework of directive 2014/34/EU (ATEX) and DIN EN ISO/IEC 80079-34, we would like to point out that the traceability of the ordered device to your customer is your responsibility (documentation of your customer and associated product data, such as part number, datcode, serial number).

Sensing range S _n	Switching output	Output function	Connection type	Type	Part no.
15 mm	NAMUR	NC	Cable, 2-wire, 2 m	IM30-15N-N-ZW0	6021129

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com