IMW

The economical standard for use in industrial environments

SICK

Sensor Intelligence.

IMW

Technical data overview

Housing	Cylindrical thread design
Thread size	M12 x 1 M18 x 1 M30 x 1.5
Housing diameter	Ø 12 mm ... Ø 30 mm (depending on type)
Sensing range S_n	2 mm ... 15 mm (depending on type)
Electrical wiring	AC 2-wire / AC/DC 2-wire (depending on type)
Housing material	Brass
Enclosure rating	IP67
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Product description

SICK's inductive sensors offer precise detection, less downtime, and a long service life. The IMW inductive sensors pack high technology into the smallest of spaces. The integrated ASIC chip enables digital adjustment after the end of the manufacturing process. The saving of values in the ASIC ensures highly precise switching points and very high repeatability of values – for any number of production runs. IME sensors are completely encapsulated with hot melt technology, which increases these sensors' life under shock and vibration. The customer benefits from high positioning accuracy in the machine and long-term sensor reliability.

At a glance

- Types: M12 to M30
- Simple sensing ranges: 2 to 15 mm
- Electrical configuration: AC 2-wire, AC/DC 2-wire
- Enclosure rating: IP67
- Temperature range: –25 °C to 75 °C
- Nickel-plated brass housing; plastic sensing face

Your benefits

- Highly flexible choice of supply voltage
- High machine availability thanks to rugged design
- Reduced machine downtimes thanks to a longer sensor service life
- High positioning accuracy thanks to precise switching behavior
- Highly cost-efficient thanks to low purchase costs

Ordering information

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

- **Sub product family:** IM12 AC
- **Cylindrical thread design:** M12
- **Electrical wiring:** AC 2-wire
- **Housing:** Standard design
- **Connection type:** Cable, 2-wire, 2 m

Installation type	Sensing range S_n	Output function	Type	Part no.
Flush	2 mm	NC	IM12-02BAO-ZU0	7902119
		NO	IM12-02BAS-ZU0	7902118
Non-flush	4 mm	NC	IM12-04NAO-ZU0	7902121
		NO	IM12-04NAS-ZU0	7902120

- **Sub product family:** IM18 AC
- **Cylindrical thread design:** M18
- **Electrical wiring:** AC/DC 2-wire
- **Housing:** Standard design

Installation type	Sensing range S_n	Output function	Connection type	Type	Part no.
Flush	5 mm	NC	Cable, 2-wire, 2 m	IM18-05BUO-ZU0	7902123
		NO	Cable, 2-wire, 2 m	IM18-05BUS-ZU0	7902122
			Cable, 2-wire, 6 m	IM18-05BUS-ZUB	6022653
Non-flush	8 mm	NC	Cable, 2-wire, 2 m	IM18-08NUO-ZU0	7902125
		NO	7/8 connector	IM18-08NUS-ZM0	6021224
			Cable, 2-wire, 2 m	IM18-08NUS-ZU0	7902124

- **Sub product family:** IM30 AC
- **Cylindrical thread design:** M30
- **Electrical wiring:** AC/DC 2-wire
- **Housing:** Standard design

Installation type	Sensing range S_n	Output function	Connection type	Type	Part no.
Flush	10 mm	NC	Cable, 2-wire, 2 m	IM30-10BUO-ZU0	7902127
		NO	Cable, 2-wire, 2 m	IM30-10BUS-ZU0	7902126
Non-flush	15 mm	NC	Cable, 2-wire, 2 m	IM30-15NUO-ZU0	7902129
		NO	Cable, 2-wire, 2 m	IM30-15NUS-ZU0	7902128
				IM30-15NUS-ZUX	6021588
			Cable, 2-wire, 6 m	IM30-15NUS-ZUD	6022058

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**

SICK AG | Waldkirch | Germany | www.sick.com

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