IQM

Rectangular miniature sensors for use in industrial environments

INDUCTIVE PROXIMITY SENSORS

SICK
Sensor Intelligence.

Technical data overview

Housing	Rectangular
Dimensions	8 mm x 16 mm x 4 mm 10 mm x 30 mm x 6 mm
Sensing range S_n	1.5 mm / 3 mm (depending on type)
Housing material	Plastic
Enclosure rating	IP67

Product description

The IQM sensors with their rectangular miniature designs are real space-savers. Thanks to the low heights of a minimum of 4.7 mm and fully-integrated electronics, they set new standards and contribute to the miniaturization of modules and machines. Extended sensing ranges of up to 3 mm enable reliable position queries even in challenging applications. The IQM sensors can be permanently installed quickly with only one screw.

At a glance

- Types: 8 mm x 16 mm x 4 mm or 10 mm x 30 mm x 6 mm
- Extended sensing ranges: 1.5 mm to 3 mm
- Electrical configuration: DC 3-wire
- Enclosure rating: IP 67
- Temperature range: −20 °C to +70 °C
- Plastic housing
- Flat, space-saving and light design

Your benefits

- Easy installation in applications with limited available space
- Reliable detection of fast handling and mounting processes
- High positioning accuracy and precise switching behavior
- Great freedom with respect to machine design thanks to the lower height
- Low weight enables fast acceleration in dynamic handling processes
- Quick and reliable mounting with just one screw

Ordering information

Other models and accessories ➜ www.sick.com/IQM

- **Sub product family:** IQ04
- **Cuboid shape (W x H x D):** 8 mm x 16 mm x 4 mm
- **Installation type:** flush
- **Electrical wiring:** DC 3-wire

Sensing range S$_n$	Switching output	Output function	Connection type	Type	Part no.
1.5 mm	NPN	NC	Cable, 3-wire, 2 m	IQ04-1B5N0KW2S	6042020
		NO	Cable, 3-wire, 2 m	IQ04-1B5NSKW2S	6042019
	PNP	NC	Cable, 3-wire, 2 m	IQ04-1B5P0KW2S	6042018
		NO	Cable with connector M8, 3-pin, with knurled nuts, 0.3 m	IQ04-1B5PSKRDS	6063881
			Cable, 3-wire, 2 m	IQ04-1B5PSKW2S	6042017

- **Sub product family:** IQ06
- **Cuboid shape (W x H x D):** 10 mm x 30 mm x 6 mm
- **Installation type:** flush
- **Electrical wiring:** DC 3-wire

Sensing range S$_n$	Switching output	Output function	Connection type	Type	Part no.
3 mm	NPN	NC	Cable, 3-wire, 2 m	IQ06-03BN0KU2S	6042025
		NO	Cable, 3-wire, 2 m	IQ06-03BNSKU2S	6042024
	PNP	NC	Cable, 3-wire, 2 m	IQ06-03BP0KU2S	6042023
			Cable, 3-wire, 5 m	IQ06-03BP0KU5S	6067958
		NO	Cable, 3-wire, 2 m	IQ06-03BPSKU2S	6042022
			Cable, 3-wire, 3 m	IQ06-03BPSKU3S	6048848

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**

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