



# IQY

Slim rectangular housings for use in industrial environments

**INDUCTIVE PROXIMITY SENSORS**

**SICK**  
Sensor Intelligence.



Technical data overview

<b>Housing</b>	Rectangular
<b>Dimensions</b>	8 mm x 40 mm x 8 mm 5 mm x 25 mm x 5 mm
<b>Sensing range S<sub>n</sub></b>	0.8 mm ... 4 mm (depending on type)
<b>Housing material</b>	Plastic / brass (depending on type)
<b>Enclosure rating</b>	IP67 / IP68 / IP67 (depending on type)



Product description

With slim dimensions of just 5 mm x 5 mm or 8 mm x 8 mm, the IQY sensors offer up to 4 mm in sensing range, thereby providing the best performance while taking up the least possible space. Integration into linear units or confined installation spaces is no problem. State-of-the-art SICK-ASIC technology, innovative hotmelt molding and an output state display that is visible from all angles makes a simple solution for modern handling and automation tasks, ensuring the highest levels of production reliability. No matter whether in VISTAL® or metal housing, the sensors of the IQV product family rise to every challenge with ease.

At a glance

- Types: 5 mm x 5 mm x 25 mm or 8 mm x 8 mm x 40 mm
- Extended sensing ranges: 0.8 mm to 4 mm
- Electrical configuration: DC 3-wire
- Enclosure rating: IP 67 or IP 68
- Temperature range: -25 °C to +75 °C
- Tough VISTAL™ housing
- Thin version with 270° output state display

Your benefits

- Easy integration in space-critical applications
- Reliable detection of fast handling and mounting processes
- Quick and easy mounting
- Thin housing provides a high degree of design freedom

Ordering information

Other models and accessories → [www.sick.com/IQY](http://www.sick.com/IQY)

- **Sub product family:** IQ08
- **Cuboid shape (W x H x D):** 8 mm x 40 mm x 8 mm
- **Installation type:** flush
- **Electrical wiring:** DC 3-wire

Sensing range S <sub>n</sub>	Switching output	Output function	Connection type	Type	Part no.
1.5 mm	PNP	NO	Connector M8, 3-pin	IQ08-1B5PSKT0S	1109130

Sensing range $S_n$	Switching output	Output function	Connection type	Type	Part no.	
2 mm	NPN	NC	Cable, 3-wire, 2 m	IQ08-02BNOKW2S	1055493	
			Connector M8, 3-pin	IQ08-02BNOKT0S	1055497	
		NO	Cable with AMP connector, 850 mm	IQ08-02BNSKUDSS03	1062451	
			Cable, 3-wire, 10 m	IQ08-02BNSKW6S	1062450	
			Cable, 3-wire, 2 m	IQ08-02BNSKW2S	1055492	
			Connector M8, 3-pin	IQ08-02BNSKT0S	1055496	
			PNP	NC	Cable with connector M8, 3-pin, 100 mm	IQ08-02BP0KR9SS07
		Cable, 3-wire, 2 m			IQ08-02BP0KW2S	1055491
		Cable, 3-wire, 4 m			IQ08-02BP0KW4SS08	1076878
		Cable, 3-wire, 5 m			IQ08-02BP0KW5S	1085280
	Connector M8, 3-pin	IQ08-02BP0KT0S			1055495	
	NO	Cable with connector M8, 3-pin, with knurled nuts, 100 mm		IQ08-02BPSKR9SS12	1084025	
		Cable with connector M8, with knurled nuts, 0.2 m		IQ08-02BPSKR8SS03	1066836	
		Cable with connector M8, with knurled nuts, 0.3 m		IQ08-02BPSKR9S	1070093	
		Cable, 3-wire, 2 m		IQ08-02BPSKW2S	1055490	
				IQ08-02BPSKW2SS01	1062448	
		Cable, 3-wire, 5 m	IQ08-02BPSKW5S	1066452		
		Connector M8, 3-pin	IQ08-02BPSKT0S	1055494		
			IQ08-02BPSKT0SS02	1062449		

- **Sub product family:** IQ08
- **Cuboid shape (W x H x D):** 8 mm x 40 mm x 8 mm
- **Installation type:** non-flush
- **Electrical wiring:** DC 3-wire

Sensing range $S_n$	Switching output	Output function	Connection type	Type	Part no.
4 mm	NPN	NC	Cable, 3-wire, 2 m	IQ08-04NNOKW2S	1055501
			Connector M8, 3-pin	IQ08-04NNOKT0S	1055505
		NO	Cable, 3-wire, 2 m	IQ08-04NNSKW2S	1055500
			Connector M8, 3-pin	IQ08-04NNSKT0S	1055504
	PNP	NC	Cable, 3-wire, 2 m	IQ08-04NPOKW2S	1055499
			Connector M8, 3-pin	IQ08-04NPOKT0S	1055503
		NO	Cable with connector M12, 4-pin, angled, 0.3 m	IQ08-04NPSKQDSS11	1081463
			Cable with connector M12, 4-pin, angled, 2 m	IQ08-04NPSKQDSS10	1078878
			Cable with connector M8, 3-pin, with knurled nuts, 0.1 m	IQ08-04NPSKR7SS09	1078195
			Cable with connector M8, 3-pin, with knurled nuts, 0.26 m	IQ08-04NPSKRDSS15	1118197
			Cable with connector M8, 3-pin, with knurled nuts, 0.4 m	IQ08-04NPSKRDSS14	1099989
			Cable, 3-wire, 2 m	IQ08-04NPSKW2S	1055498
			Connector M8, 3-pin	IQ08-04NPSKT0S	1055502

- **Sub product family:** IQ05
- **Cuboid shape (W x H x D):** 5 mm x 25 mm x 5 mm
- **Installation type:** flush
- **Electrical wiring:** DC 3-wire

Sensing range $S_n$	Switching output	Output function	Connection type	Type	Part no.
0.8 mm	NPN	NO	Cable, 3-wire, 2 m	IQ05-0B8NS-ZU1	6020162
	PNP	NC	Cable with connector M8, 3-pin, with knurled nuts, 0.2 m	IQ05-0B8PO-ZR1	6073556
			Cable, 3-wire, 2 m	IQ05-0B8PO-ZU1	6020163
		NO	Cable with connector M8, 3-pin, 0.2 m	IQ05-0B8PS-ZUP	6049725
			Cable, 3-wire, 2 m	IQ05-0B8PS-ZU1	6020161

## 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](http://www.sick.com)