IQV

Flat rectangular housings for use in industrial environments

INDUCTIVE PROXIMITY SENSORS

SICK
Sensor Intelligence.

Technical data overview

Housing	Rectangular
Dimensions	20 mm x 32 mm x 8 mm 25 mm x 50 mm x 10 mm
Sensing range S_n	7 mm / 5 mm (depending on type)
Housing material	Zinc diecast / Aluminum (depending on type)
Enclosure rating	IP67

Product description

When space is tight, the flat design of the IQV sensors are the best choice. Thanks to a low height, they can be easily integrated into applications where space is critical and allow a high degree of freedom when it comes to machine design. Greater sensing ranges of up to 7 mm simplify even the trickiest of detection tasks. Not only the robust metal housing, but also the high tightening torque make flat designs the favorite of installers.

At a glance

- Types: 20 mm x 32 mm x 8 mm or 25 mm x 50 mm x 10 mm
- Extended sensing ranges: 5 mm to 7 mm
- Electrical configuration: DC 3-/4-wire
- Enclosure rating: IP 67
- Temperature range: –25 °C to +70 °C
- Metal housing, plastic sensing face
- Flat housing made of robust metal

Your benefits

- Extremely stable and durable
- For applications with limited space
- No restrictions on machine design
- Flat housing provides a high degree of design freedom
- Reliable mounting with high tightening torque

Ordering information

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

- **Sub product family:** IQ20
- **Cuboid shape (W x H x D):** 20 mm x 32 mm x 8 mm
- **Installation type:** flush
- **Electrical wiring:** DC 3-wire

Sensing range S_n	Switching output	Output function	Connection type	Type	Part no.
7 mm	NPN	NO	Cable with connector M8, 3-pin, 0.3 m	IQ20-07BNSDP0S	6042044
	PNP	NO	Cable with connector M8, 3-pin, 0.3 m	IQ20-07BPSDP0S	6042043
			Cable, 3-wire, 2 m	IQ20-07BPSDU2S	6045180

- **Sub product family:** IQ20
- **Cuboid shape (W x H x D):** 20 mm x 32 mm x 8 mm
- **Installation type:** flush
- **Electrical wiring:** DC 4-wire

Sensing range S_n	Switching output	Output function	Connection type	Type	Part no.
7 mm	PNP	Complementary	Cable with M12 male connector, 4-pin, 0.3 m	IQ20-07BPPDQ0S	6042045
			Cable, 4-wire, 5 m	IQ20-07BPPDU5S	6072660

- **Sub product family:** IQ25
- **Cuboid shape (W x H x D):** 25 mm x 50 mm x 10 mm
- **Installation type:** flush
- **Electrical wiring:** DC 3-wire

Sensing range S_n	Switching output	Output function	Connection type	Type	Part no.
5 mm	PNP	NO	Cable, 3-wire, 2 m	IQ25-05BPSDU2S	6042046

- **Sub product family:** IQ25
- **Cuboid shape (W x H x D):** 25 mm x 50 mm x 10 mm
- **Installation type:** flush
- **Electrical wiring:** DC 4-wire

Sensing range S_n	Switching output	Output function	Connection type	Type	Part no.
5 mm	PNP	Complementary	Cable, 4-wire, 2 m	IQ25-05BPPDU2S	6042047

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:

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