Product overview

IQL

Large cubic inductive sensors for industrial use

SICK
Sensor Intelligence.

Technical data overview

Housing	Rectangular
Dimensions	80 mm x 105 mm x 40 mm 80 mm x 92 mm x 40 mm
Sensing range S_n	60 mm / 50 mm (depends on variant)
Housing material	Plastic / zinc diecast (depends on variant)
Enclosure rating	IP65 / IP67 (depends on variant)
Housing	Rectangular
Dimensions	80 mm x 105 mm x 40 mm 80 mm x 92 mm x 40 mm
Sensing range S_n	60 mm / 50 mm (depends on variant)
Electrical wiring	DC 3-wire DC 4-wire AC/DC 2-wire (depends on variant)
Housing material	Plastic / zinc diecast (depends on variant)
Enclosure rating	IP65 / IP67 (depends on variant)

Product description

With an adjustable sensing range of up to 60 mm, the sensors of the IQL product family offer a high degree of detection ease. Thanks to the freely configurable N/O and N/C output function, they also reduce costs in new and existing applications. Due to installation from above and the extended sensing range, the IQL sensors are optimally suited for recessed floor mounting, as is often found in the automotive industry or storage and conveyor technology. The IQL is also the number one choice when it comes to other applications.

At a glance

- Type: 80 mm x 80 mm
- Longer sensing ranges: 50 mm to 60 mm
- Electrical configuration: DC 3-/4-wire, or AC/DC 2-wire
- Enclosure rating IP65 or IP67
- Temperature range: –25 °C to +80 °C
- Plastic housing
- Programmable N/O or N/C function
- Sensing range setting via potentiometer

Your benefits

- Increase in machine availability
- Reduced mechanical damage
- Longer service life for reduced costs
- Quick and safe installation

Ordering information

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

- **Product version:** IQ80
- **Sensing range S_n:** 60 mm
- **Cuboid shape (W x H x D):** 80 mm x 105 mm x 40 mm
- **Output function:** NC or NO
- **Installation type:** non-flush
- **Connection type:** terminal connection with M20 gland

Switching output	Electrical wiring	Type	Part no.
–	AC/DC 2-wire	IQ80-60NUP-KK0	7902138
PNP	DC 3-wire	IQ80-60NPP-KK0	7900227

- **Product version:** IQ80
- **Sensing range S_n:** 50 mm
- **Switching output:** PNP
- **Cuboid shape (W x H x D):** 80 mm x 92 mm x 40 mm

Output function	Installation type	Connection type	Electrical wiring	Type	Part no.
Complementary	Flush, non-flush, overflush	Male connector M12, 4-pin	DC 4-wire	IQ80-50BPP-KC0	6026473

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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