



IQL

Large rectangular housings for use in industrial environments

INDUCTIVE PROXIMITY SENSORS

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 (depending on type)
Housing material	Plastic / zinc diecast (depending on type)
Enclosure rating	IP65 / IP67 (depending on type)



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 IP 65 or IP 67
- 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

- **Sub product family:** IQ80
- **Cuboid shape (W x H x D):** 80 mm x 105 mm x 40 mm
- **Installation type:** non-flush
- **Electrical wiring:** DC 3-wire

Sensing range S_n	Switching output	Output function	Connection type	Type	Part no.
60 mm	PNP	NC or NO	Terminal connection with M20 gland	IQ80-60NPP-KK0	7900227

- **Sub product family:** IQ80
- **Cuboid shape (W x H x D):** 80 mm x 92 mm x 40 mm
- **Installation type:** flush, non-flush, overflush
- **Electrical wiring:** DC 4-wire

Sensing range S_n	Switching output	Output function	Connection type	Type	Part no.
50 mm	PNP	Complementary	Male connector M12, 4-pin	IQ80-50BPP-KC0	6026473

- **Sub product family:** IQ80
- **Cuboid shape (W x H x D):** 80 mm x 105 mm x 40 mm
- **Installation type:** non-flush
- **Electrical wiring:** AC/DC 2-wire

Sensing range S_n	Switching output	Output function	Connection type	Type	Part no.
60 mm	PNP, NPN	NC or NO	Terminal connection with M20 gland	IQ80-60NUP-KK0	7902138

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