

# IQ40-35NPP-KCM

IQ Standard

PRODUCT PORTFOLIO

**SICK**  
Sensor Intelligence.



### Ordering information

Type	Part no.
IQ40-35NPP-KCM	6025813

Other models and accessories → [www.sick.com/IQ\\_Standard](http://www.sick.com/IQ_Standard)



### Detailed technical data

#### Features

<b>Housing</b>	Rectangularshort-body
<b>Dimensions (W x H x D)</b>	40 mm x 40 mm x 62 mm
<b>Sensing range <math>S_n</math></b>	35 mm
<b>Installation type</b>	Non-flush
<b>Switching frequency</b>	250 Hz
<b>Connection type</b>	Male connector M12, 4-pin
<b>Output type</b>	PNP
<b>Output function</b>	Complementary
<b>Electrical wiring</b>	DC 4-wire
<b>Enclosure rating</b>	IP 67 <sup>1)</sup>
<b>Special features</b>	<b>Factor 1 for all metals</b>

<sup>1)</sup> According to EN 60529.

#### Mechanics/electronics

<b>Supply voltage</b>	10 V DC ... 30 V DC
<b>Voltage drop</b>	≤ 2.5 V <sup>1)</sup>
<b>Current consumption</b>	≤ 15 mA <sup>2)</sup>
<b>Time delay before availability</b>	≤ 30 ms
<b>Hysteresis</b>	1 % ... 15 %
<b>Repeatability</b>	≤ 5 % <sup>3)</sup> <sup>4)</sup>
<b>Temperature drift (of <math>S_n</math>)</b>	± 10 %
<b>EMC</b>	According to EN 60947-5-2

<sup>1)</sup> With  $I_a$  max and  $U_b$  24 V.

<sup>2)</sup> Without load.

<sup>3)</sup>  $U_b$  and  $T_a$  constant.

<sup>4)</sup> Of  $S_r$ .

<b>Continuous current <math>I_a</math></b>	≤ 200 mA
<b>Short-circuit protection</b>	✓
<b>Reverse polarity protection</b>	✓
<b>Power-up pulse protection</b>	✓
<b>Shock and vibration resistance</b>	30 g, 11 ms / 10 ... 55 Hz, 1 mm
<b>Ambient operating temperature</b>	-10 °C ... +70 °C
<b>Housing material</b>	Plastic
<b>Sensing face material</b>	Plastic, PBTP

1) With  $I_a$  max and  $U_b$  24 V.

2) Without load.

3)  $U_b$  and  $T_a$  constant.

4) Of  $S_r$ .

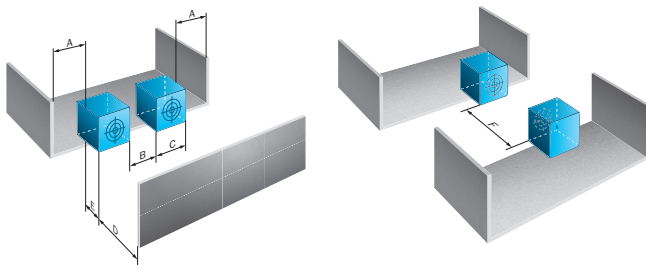
### Installation note

<b>Remark</b>	Associated graphic see "Installation"
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### Classifications

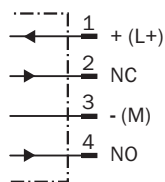
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<b>ECl@ss 6.2</b>	27270101
<b>ECl@ss 7.0</b>	27270101
<b>ECl@ss 8.0</b>	27270101
<b>ECl@ss 8.1</b>	27270101
<b>ECl@ss 9.0</b>	27270101
<b>ETIM 5.0</b>	EC002714
<b>ETIM 6.0</b>	EC002714
<b>UNSPSC 16.0901</b>	39122230

### Installation note

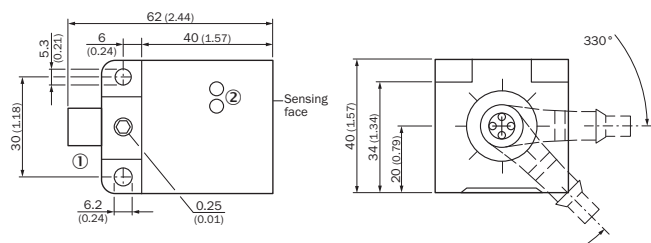


### Connection diagram

cd-010



### Dimensional drawing (Dimensions in mm (inch))



- ① Connection
- ② Indication LED

### Recommended accessories

Other models and accessories → [www.sick.com/IQ\\_Standard](http://www.sick.com/IQ_Standard)

	Brief description	Type	Part no.
<b>Plug connectors and cables</b>			
	Head A: female connector, M12, 4-pin, straight Head B: cable Cable: PVC, unshielded, 2 m	DOL-1204-G02M	6009382
	Head A: female connector, M12, 4-pin, straight Head B: cable Cable: PVC, unshielded, 5 m	DOL-1204-G05M	6009866
	Head A: female connector, M12, 4-pin, straight Head B: cable Cable: PVC, unshielded, 10 m	DOL-1204-G10M	6010543
	Head A: female connector, M12, 4-pin, angled, with 3 LEDs Head B: cable Cable: PVC, unshielded, 2 m	DOL-1204-L02M	6027945
	Head A: female connector, M12, 4-pin, angled, with 3 LEDs Head B: cable Cable: PVC, unshielded, 5 m	DOL-1204-L05M	6027944
	Head A: female connector, M12, 4-pin, angled Head B: cable Cable: PVC, unshielded, 2 m	DOL-1204-W02M	6009383
	Head A: female connector, M12, 4-pin, angled Head B: cable Cable: PVC, unshielded, 5 m	DOL-1204-W05M	6009867

## 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)