



Inductive proximity sensors  
Rectangular housing, IQ40

IQ40-35NPP-KCM



**Model Name** > [IQ40-35NPP-KCM](#)  
**Part No.** > [6025813](#)



**At a glance**

- Increased operating distance up to 40 mm
- Corner LEDs
- Sensing face rotatable in five directions
- Sturdy and compact design
- Integrated mounting clamp
- DC and AC/DC versions available
- Magnetic field resistant

**Your benefits**

- Flexible mounting options due to rotatable sensor head
- Time-saving monitoring with highly visible power and output LEDs.
- Cost reduction due to reduced mechanical damage with increased sensing distance
- Shorter installation times due to integrated mounting fixture
- Reduced maintenance costs



**Features**

Design:	Rectangular
Dimensions (W x H x D):	40 mm x 40 mm x 62 mm
Sensing range Sn:	35 mm
Installation type:	Non-flush
Switching frequency:	250 Hz
Output type:	PNP
Output function:	Complementary
Electrical wiring:	DC 4-wire
Enclosure rating:	IP 67 <sup>1)</sup>
Electrical connection:	Connector M12, 4-pin
Housing:	Short-body

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

**Mechanics/electronics**

Supply voltage:	10 V DC ... 30 V DC
Voltage drop:	≤ 2.5 V <sup>1)</sup>
Power consumption:	≤ 15 mA <sup>2)</sup>
Time delay before availability:	≤ 30 ms

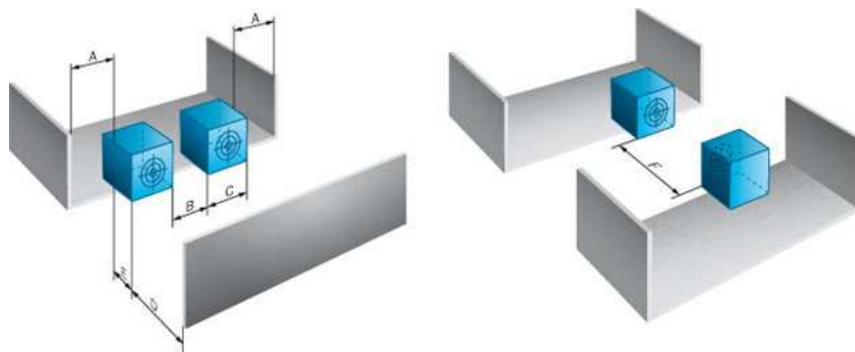
Hysteresis:	1 % ... 15 %
Repeatability:	$\leq 5\%$ <sup>3) 4)</sup>
Temperature drift (of Sr):	$\pm 10\%$
EMC:	According to EN 60947-5-2
Output current I <sub>a</sub> :	$\leq 200\text{ mA}$
Short-circuit protection:	✓
Reverse polarity protection:	✓
Power-up pulse protection:	✓
Shock and vibration resistance:	30 g, 11 ms/10 ... 55 Hz, 1 mm
Ambient temperature operation:	-10 °C ... 70 °C
Housing material:	Plastic
Sensing face material:	Plastic, PBTP
Special features:	Factor 1 for all metals

1) With I<sub>a</sub> max and U<sub>b</sub> 24 V    2) Without load    3) U<sub>b</sub> and T<sub>a</sub> constant    4) Of S<sub>r</sub>

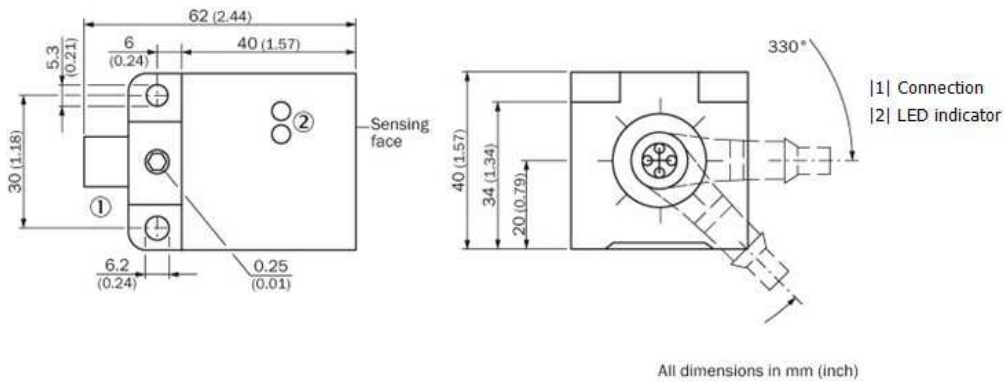
### Installation note

Remark: Associated graphic see "Installation"

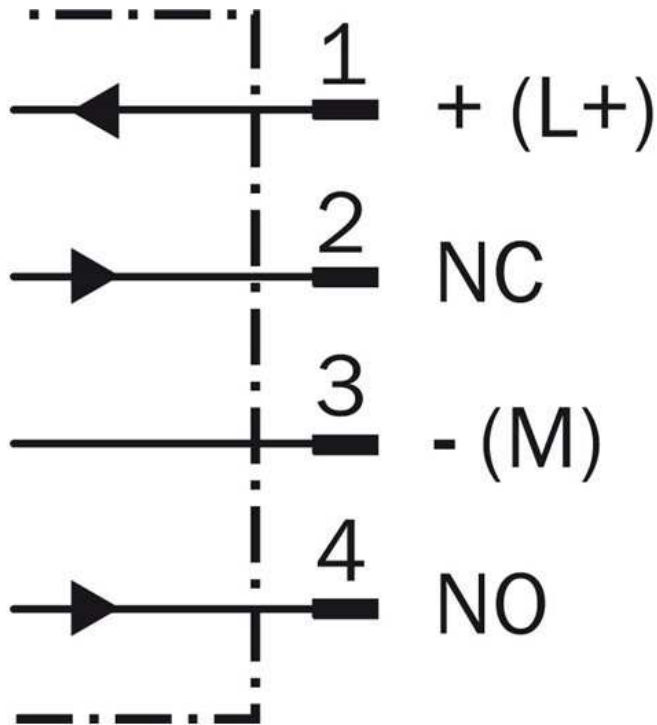
### Installation note



**Dimensional drawing**

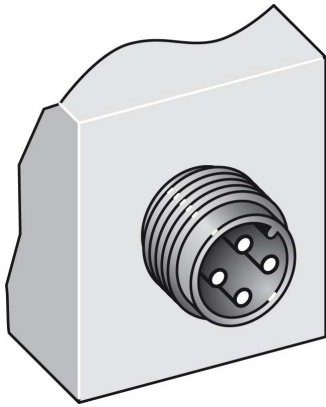


**Connection diagram**



Connection type

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