



**Inductive proximity sensors**  
**Rectangular housing, IQ10**

IQ10-06NPS-KUDS01



**Model Name** > [IQ10-06NPS-KUDS01](#)  
**Part No.** > [6033515](#)



*Illustration may differ*

**At a glance**

- Increased operating distance 3 mm/6 mm
- Small size
- High switching frequency
- Short-circuit protection (pulsed)
- IP 67 enclosure rating

**Your benefits**

- Easy integration in space-critical applications
- Reliable detection of fast handling and assembly processes
- Quick and easy installation saves time
- Housing provides a high degree of design freedom

**Note: This part is discontinued. Please see the replacement product under "Replacement Products" link. "**



**Features**

Design:	Rectangular
Dimensions (W x H x D):	10 mm x 16 mm x 28 mm
Sensing range Sn:	6 mm
Installation type:	Non-flush
Switching frequency:	1,000 Hz
Output type:	PNP
Output function:	NO
Electrical wiring:	DC 3-wire
Enclosure rating:	IP 67 <sup>1)</sup>
Electrical connection:	Cable, 3-wire, 4 m <sup>2)</sup>

<sup>1)</sup> According to EN 60529 <sup>2)</sup> Drag chain use

**Mechanics/electronics**

Supply voltage:	10 V DC ... 30 V DC
Residual ripple:	≤ 10 % <sup>1)</sup>
Voltage drop:	≤ 1.5 V <sup>2)</sup>
Power consumption:	≤ 10 mA <sup>3)</sup>

Time delay before availability:	≤ 100 ms
Hysteresis:	1 % ... 20 %
Repeatability::	≤ 5 % <sup>4) 5)</sup>
Temperature drift (of Sr):	± 10 %
EMC:	According to EN 60947-5-2
Output current I <sub>a</sub> :	≤ 300 mA
Cable material:	PUR
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:	-25 °C ... +70 °C
Housing material:	Plastic
Sensing face material:	Plastic, PA

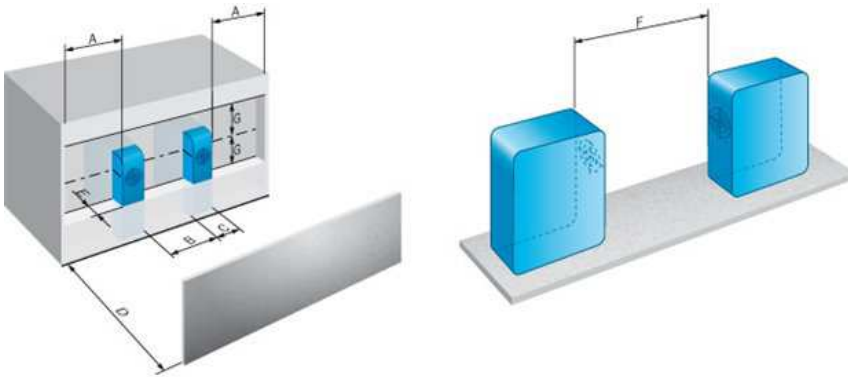
1) Of V<sub>S</sub> <sup>2)</sup> At I<sub>a</sub> max <sup>3)</sup> Without load <sup>4)</sup> U<sub>b</sub> = 20 V DC ... 30 V DC, T<sub>a</sub> = 23 °C ± 5 °C <sup>5)</sup> Of Sr

### Installation note

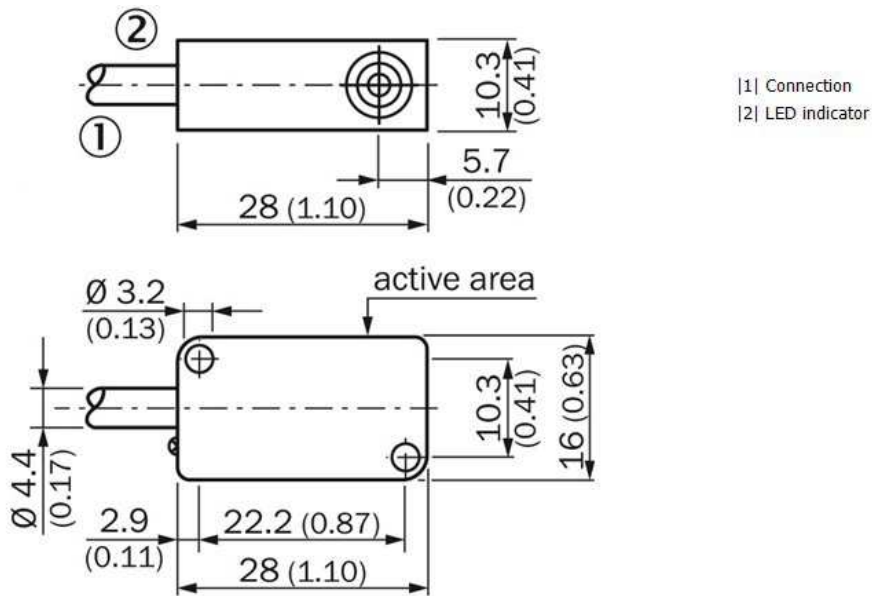
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A:	7 mm
B:	20 mm
C:	10 mm
D:	18 mm
E:	8 mm
F:	48 mm
G:	12 mm
Remark:	Associated graphic see "Installation"

## Installation note



## Dimensional drawing



All dimensions in mm (inch)

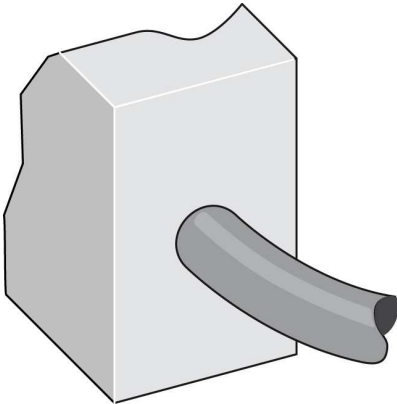
Connection diagram

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Connection type

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