



Inductive proximity sensors  
Rectangular housing, IQ10

IQ10-03BPO-KW1



**Model Name** > [IQ10-03BPO-KW1](#)  
**Part No.** > [6022372](#)



*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:	3 mm
Installation type:	Flush
Switching frequency:	3,000 Hz
Output type:	PNP
Output function:	NC
Electrical wiring:	DC 3-wire
Enclosure rating:	IP 67 <sup>1)</sup>
Electrical connection:	Cable, 3-wire, 2 m

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

**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:	PVC
Conductor cross-section:	0.25 mm <sup>2</sup>
Cable diameter:	4.4 mm
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

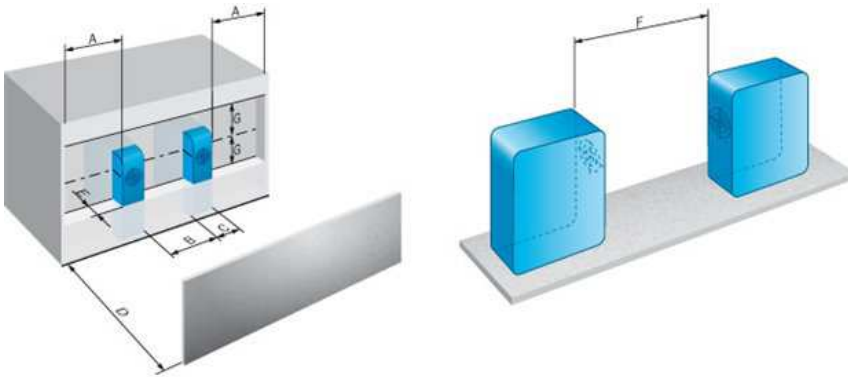
1) Of V<sub>S</sub>    2) At I<sub>a</sub> max    3) Without load    4) U<sub>b</sub> = 20 V DC ... 30 V DC, T<sub>a</sub> = 23 °C ± 5 °C    5) Of Sr

### Installation note

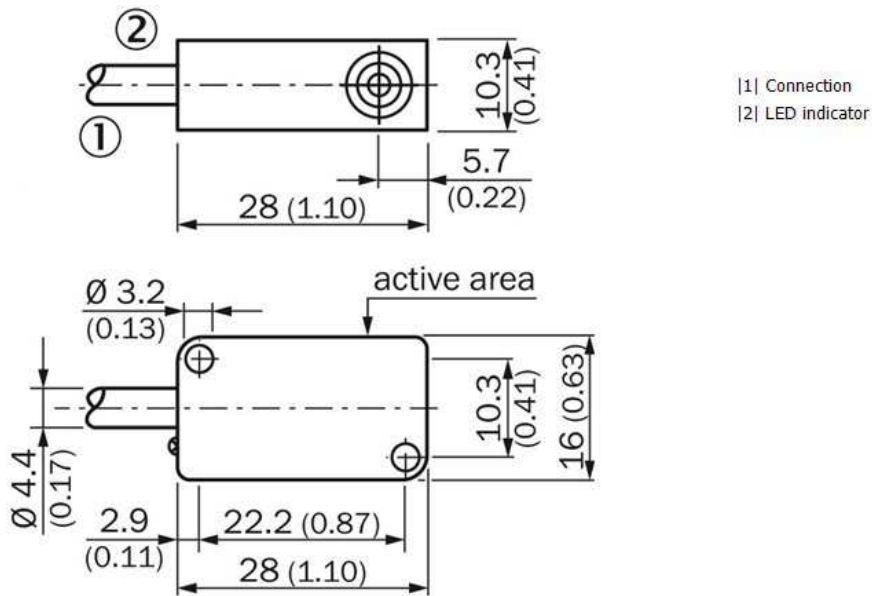
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A:	7 mm
B:	10 mm
C:	10 mm
D:	9 mm
E:	8 mm
F:	24 mm
G:	12 mm
Remark:	Associated graphic see "Installation"

## Installation note

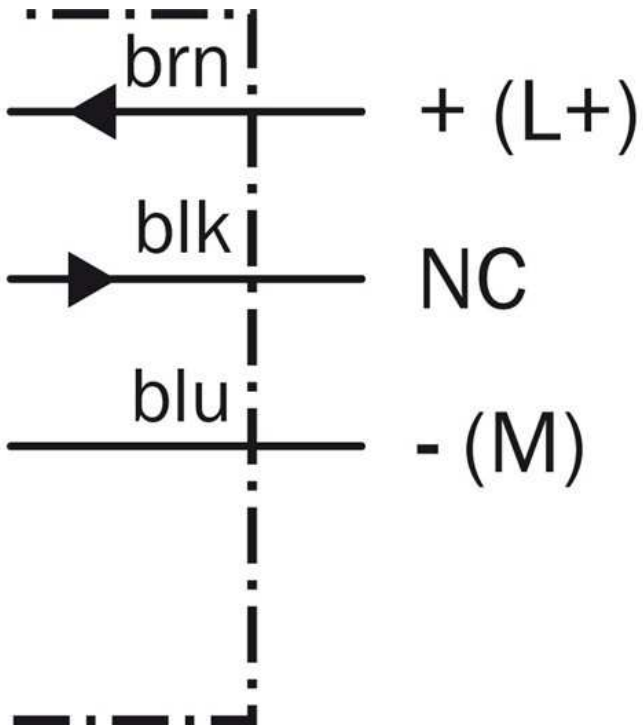


## Dimensional drawing

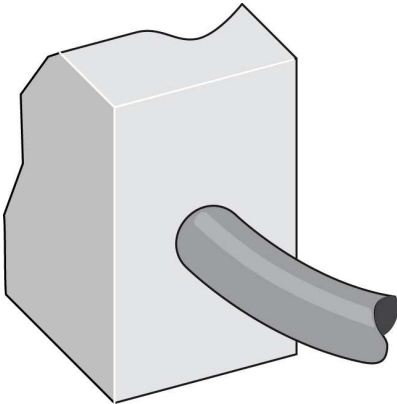


All dimensions in mm (inch)

Connection diagram



Connection type



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