



## Inductive proximity sensors Rectangular housing, IQ40

IQ40-35NPPKC0K



**Model Name** > IQ40-35NPPKC0K  
**Part No.** > 6037075



#### 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

#### 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

|                         |                                    |
|-------------------------|------------------------------------|
| Housing:                | Rectangular                        |
| Dimensions (W x H x D): | 40 mm x 40 mm x 66 mm              |
| Sensing range $S_n$ :   | 35 mm                              |
| Installation type:      | Non-flush                          |
| Switching frequency:    | 80 Hz                              |
| Output type:            | PNP                                |
| Output function:        | Complementary                      |
| Electrical wiring:      | DC 4-wire                          |
| Enclosure rating:       | IP 67 <sup>1)</sup>                |
| Connection type:        | Connector M12, 4-pin <sup>2)</sup> |
| Housing:                | Short-body                         |

<sup>1)</sup> According to EN 60529 <sup>2)</sup> Rotatable 270°, engaging

#### Mechanics/electronics

|                                  |                                    |
|----------------------------------|------------------------------------|
| Supply voltage:                  | 10 V DC ... 36 V DC                |
| Voltage drop:                    | $\leq 2.5 \text{ V}$ <sup>1)</sup> |
| Power consumption:               | $\leq 25 \text{ mA}$ <sup>2)</sup> |
| Hysteresis:                      | 1 % ... 20 %                       |
| Temperature drift (% of $S_r$ ): | $\pm 10 \text{ %}$                 |

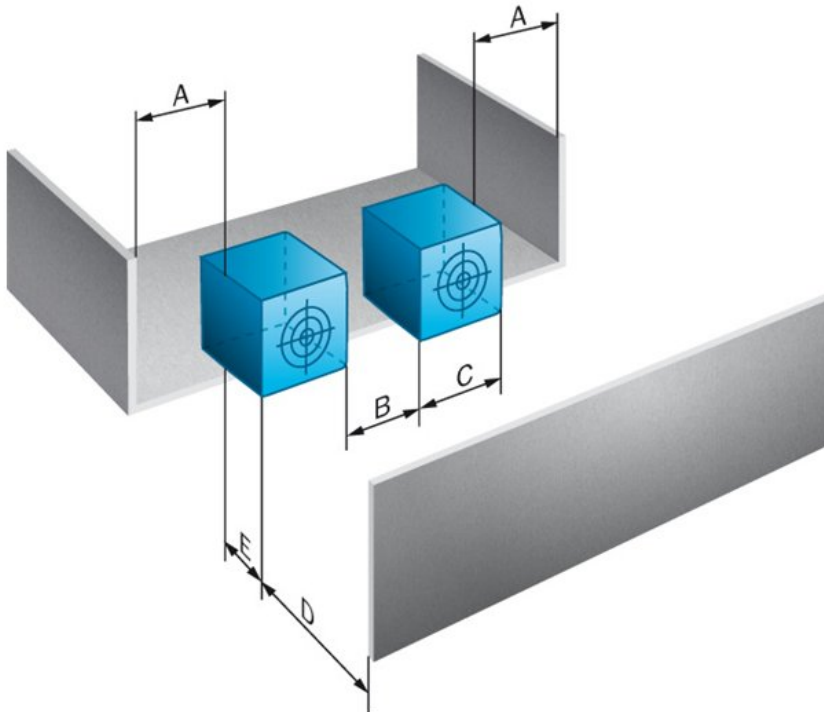
|                                |                                    |
|--------------------------------|------------------------------------|
| EMC:                           | According to EN 60947-5-2          |
| Output current $I_a$ :         | $\leq 200 \text{ mA}$              |
| Short-circuit protection:      | ✓                                  |
| Reverse polarity protection:   | ✓                                  |
| Power-up pulse protection:     | ✓                                  |
| Shock/vibration:               | 30 g, 11 ms/10 ... 55 Hz, 1 mm     |
| Ambient operating temperature: | -25 °C ... 70 °C                   |
| Housing material:              | Plastic                            |
| Sensing face material:         | Plastic, PA6                       |
| Special features:              | Class 2 power source, as per cULus |

1) With  $I_a$  max and  $U_b$  24 V 2) Without load

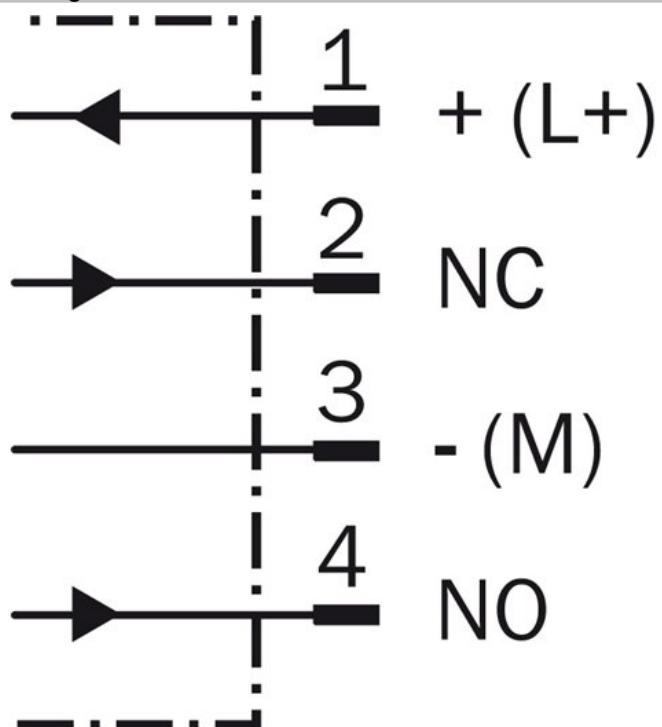
### Installation note

Remark: Associated graphic see "Installation"

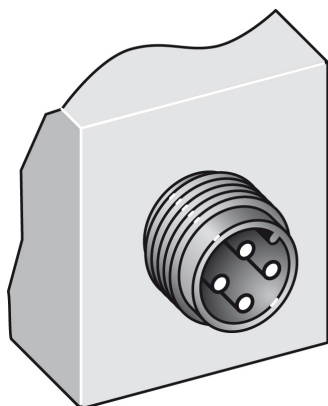
### Installation note



## Connection diagram



## Connection type



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