



Inductive proximity sensors
Rectangular housing, IQ06

IQ06-03BPSKU3S



Type > [IQ06-03BPSKU3S](#)
Part No. > [6048848](#)



At a glance

- Flat, compact design
- Long sensing distance up to 3 mm
- Easily visible indication LEDs
- Available in a plastic housing
- Dimensions: 10 mm x 30 mm x 6 mm

Your benefits

- Reduced mechanical damage due to space-saving flat housing, which does not protrude from sensor
- Time-saving simple installation with one or two screws
- No restrictions on machine design



Features

| | |
|-------------------------|----------------------|
| Housing: | Rectangular |
| Dimensions (W x H x D): | 10 mm x 30 mm x 6 mm |
| Sensing range Sn: | 3 mm |
| Installation type: | Flush |
| Switching frequency: | 1,000 Hz |
| Output type: | PNP |
| Output function: | NO |
| Electrical wiring: | DC 3-wire |
| Enclosure rating: | IP 67 ¹⁾ |
| Connection type: | Cable, 3-wire, 3 m |

¹⁾ According to EN 60529

Mechanics/electronics

| | |
|---------------------------------|---------------------------|
| Supply voltage: | 10 V DC ... 30 V DC |
| Ripple: | ≤ 10 % ¹⁾ |
| Voltage drop: | < 1.5 V ²⁾ |
| Power consumption: | 10 mA ³⁾ |
| Time delay before availability: | ≤ 10 ms |
| Hysteresis: | 1 % ... 15 % |
| Repeatability:. | ± 1 % ^{4) 5)} |
| Temperature drift (of Sr): | ± 10 % |
| EMC: | According to EN 60947-5-2 |

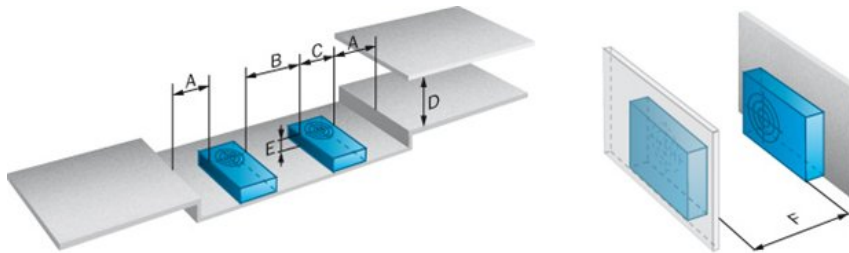
| | |
|-------------------------------------|----------------------------------|
| Continuous current I _a : | 100 mA |
| Cable material: | PUR |
| Conductor cross-section: | 0.14 mm ² |
| Cable diameter: | 3 mm |
| Short-circuit protection: | ✓ |
| Shock and vibration resistance: | 30 g, 11 ms / 10 ... 55 Hz, 1 mm |
| Ambient operating temperature: | -25 °C ... 70 °C |
| Housing material: | Plastic |
| Sensing face material: | Plastic, PA 6 |
| Tightening torque, max.: | ≤ 0.06 Nm |

1) Of V_S 2) At I_a max 3) Without load 4) U_b and T_a constant 5) Of S_r

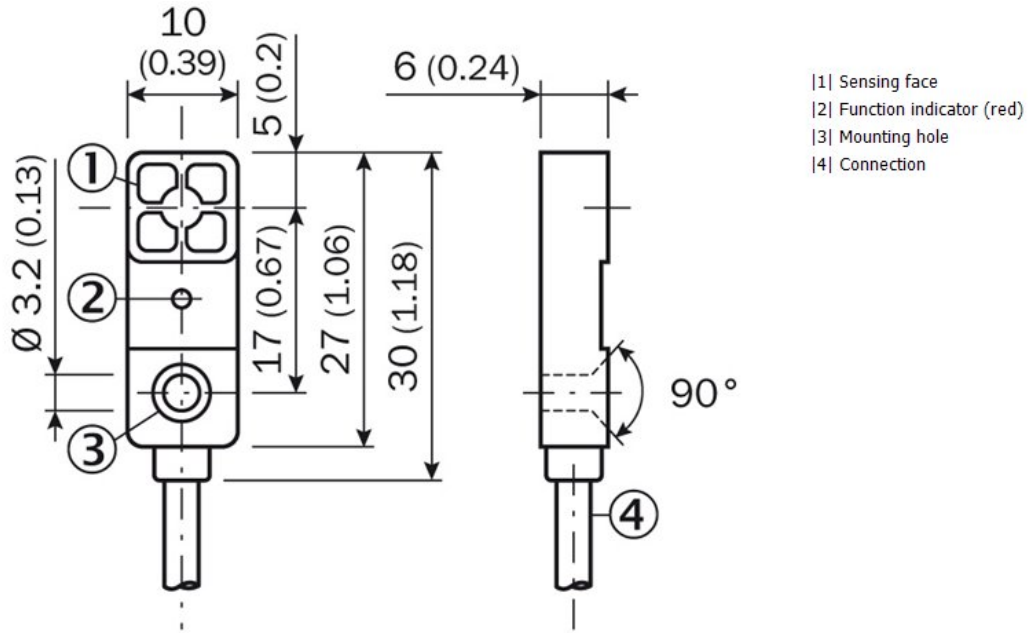
Installation note

Remark: Associated graphic see "Installation"

Installation note

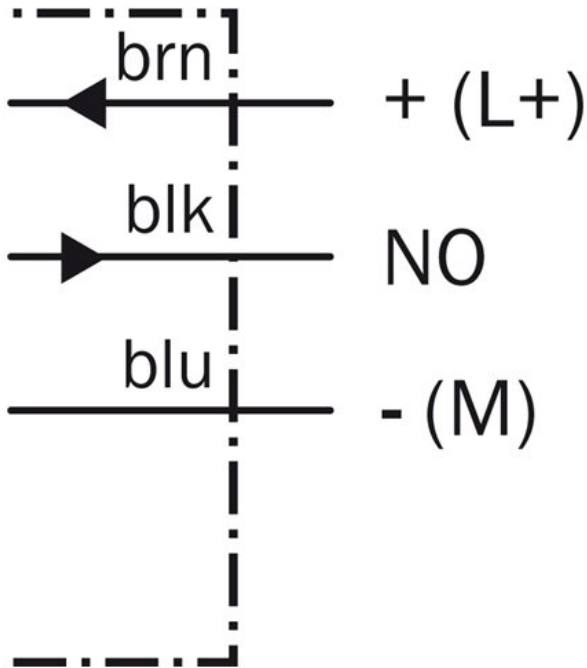


Dimensional drawing

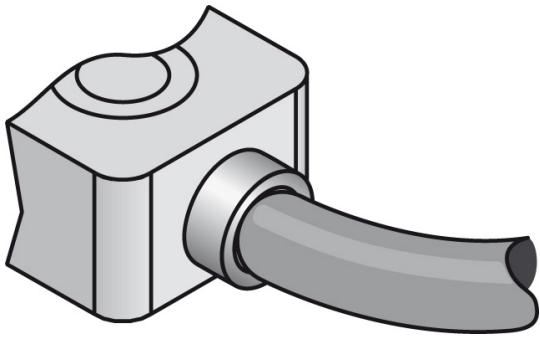


All dimensions in mm (inch)

Connection diagram



Connection type



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