

**IQ10-06NPOKT0S**



Nazwa modelu > **IQ10-06NPOKT0S**

Numer części > **1055462**



#### At a glance

- Tough VISTALTM housing
- SICK-ASIC technology
- 270° status display with extra-bright LED
- Extended sensing range of up to 6 mm
- Hotmelt molding
- Withstands high installation and tightening torque
- IP 68 enclosure rating

#### Your benefits

- Best mechanical and electronic stability for extra-long service life
- Highest levels of process reliability for your application
- Long service life that reduce maintenance costs thanks to SICK's ASIC technology and rugged VISTALTM housing
- Precise detection and high sensor accuracy enable fast handling and assembly processes
- Space-saving integration in every application
- Increased levels of protection against shock and vibration reduce maintenance costs
- Quick viewing of sensor status from any position in the room reduces mounting time and commissioning
- Safe, fast mounting without any need for readjustment saves installation time and maintenance costs



#### Cechy

|                                 |                              |
|---------------------------------|------------------------------|
| Budowa:                         | Prostopadłościenna           |
| Wymiary (Szer. x Wys. x Głęb.): | 10 mm x 16 mm x 28 mm        |
| Sensing range Sn:               | 6 mm                         |
| Assured sensing range Sa:       | 4,86 mm                      |
| Instalacja w metalu:            | Niezabudowany                |
| Częstotliwość przełączania:     | 2.000 Hz                     |
| Wyjście przełączające:          | PNP                          |
| Output function:                | NC                           |
| Electrical wiring:              | DC 3-wire                    |
| Rodzaj zabezpieczenia:          | IP 67 <sup>1)</sup><br>IP 68 |
| Sposób przyłączenia:            | Connector M8, 3-pin          |

1) According to EN 60529

## Mechanika/elektronika

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|                                           |                                        |
|-------------------------------------------|----------------------------------------|
| Napięcie zasilania:                       | 10 V DC ... 30 V DC                    |
| Tętnienia resztkowe:                      | $\leq 10\%$ <sup>1)</sup>              |
| Spadek napięcia:                          | $\leq 3\text{ V}$ <sup>2)</sup>        |
| Pobór prądu:                              | $\leq 20\text{ mA}$ <sup>3)</sup>      |
| Czas osiągnięcia dostępności:             | $\leq 100\text{ ms}$                   |
| Histereza:                                | 5 % ... 15 %                           |
| Odtwarzalność:::                          | $\leq 2\%$ <sup>4)</sup> <sup>5)</sup> |
| Przesunięcie cieplne (Sr):                | $\pm 10\%$                             |
| Kompatybilność elektromagnetyczna::       | Zgodna z EN 60947-5-2                  |
| Output current Ia:                        | $\leq 200\text{ mA}$                   |
| Zabezpieczenie przed zwarciami:           | ✓                                      |
| Zabezpieczenie przed zmianą biegunowości: | ✓                                      |
| Power-up pulse protection:                | ✓                                      |
| Shock/vibration:                          | 30 g, 11 ms/10 ... 55 Hz, 1 mm         |
| Ambient operating temperature:            | -25 °C ... +75 °C                      |
| Tworzywo, obudowa:                        | Tworzywo sztuczne, VISTAL              |
| Tworzywo, obudowa:                        | Tworzywo sztuczne, VISTAL              |
| Moment dokręcania:                        | $\leq 1\text{ Nm}$                     |

1) Of  $V_S$  2) At  $I_a$  max 3) Bez obciążenia 4)  $U_b$  and  $T_a$  constant 5) Of Sr

## Współczynniki redukcyjne

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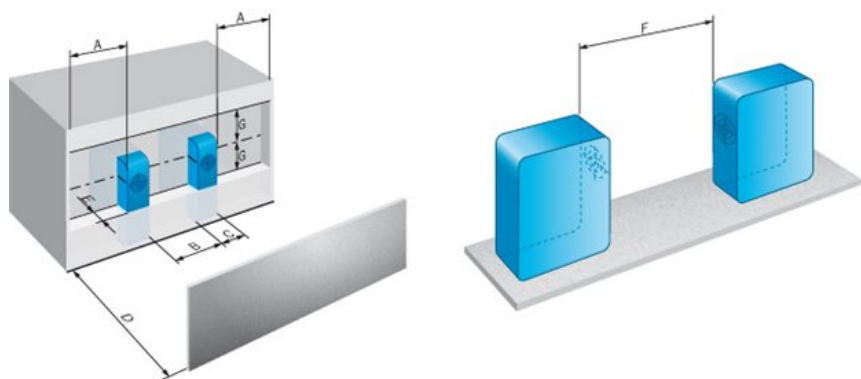
|                             |                                                |
|-----------------------------|------------------------------------------------|
| Uwaga:                      | The values are reference values which may vary |
| Stainless steel (V2A, 304): | 0,75                                           |
| Copper (Cu):                | 0,35                                           |
| Aluminum (Al):              | 0,5                                            |
| Brass (Br):                 | 0,5                                            |

## Instrukcje określające

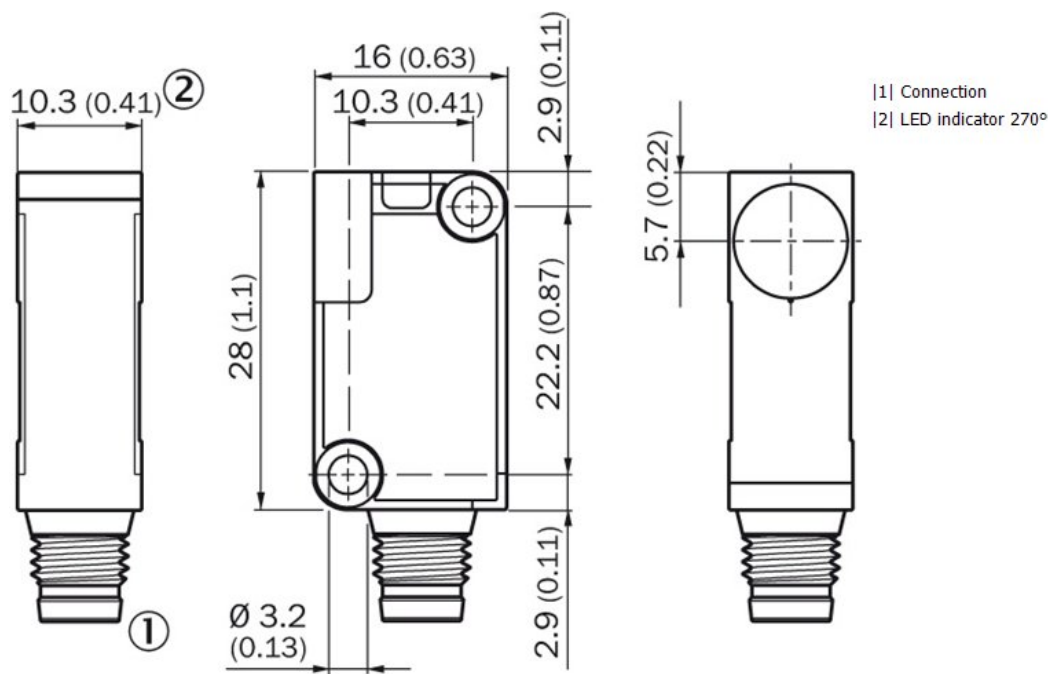
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|        |                                       |
|--------|---------------------------------------|
| A:     | 7 mm                                  |
| B:     | 30 mm                                 |
| C:     | 10,3 mm                               |
| D:     | 18 mm                                 |
| E:     | 8 mm                                  |
| F:     | 48 mm                                 |
| G:     | 12 mm                                 |
| Uwaga: | Associated graphic see "Installation" |

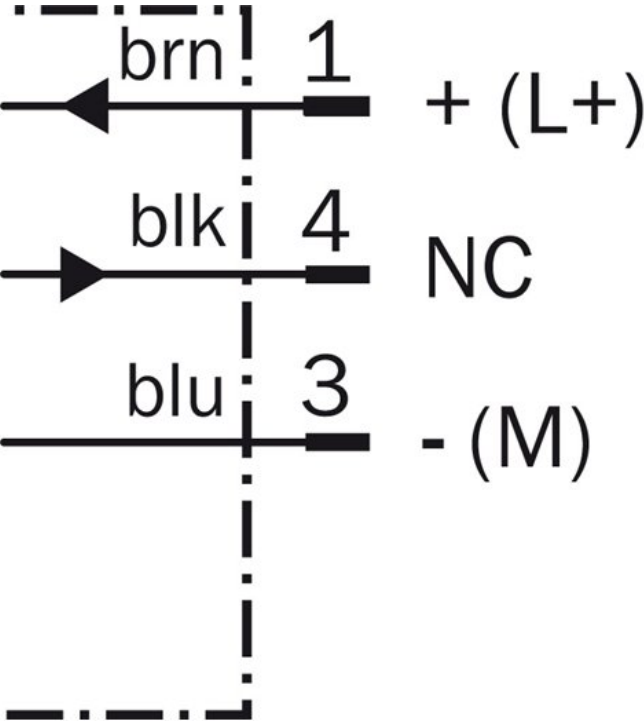
Installation note



Dimensional drawing



Connection diagram



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