



## Fotoprzełączniki G6, Fotoprzełącznik refleksyjny, Standard optics

GL6-N1111



Nazwa modelu > **GL6-N1111**

Numer części > **1050709**



*Produkt może różnić się od ilustracji*

#### At a glance

- PinPoint LED for a bright, precise light spot
- Durable metal threaded inserts
- SICK ASIC technology - the result of decades of experience in photoelectric sensors
- Large, user-friendly potentiometer
- Large, bright indicator LEDs
- IP 67 enclosure rating

#### Your benefits

- Easy alignment and precise object detection due to a highly visible PinPoint LED
- Quick and easy mounting and high durability due to threaded metal inserts
- SICK ASIC technology provides high performance, excellent reliability and crosstalk immunity
- Easy to adjust due to large, user-friendly potentiometers
- Easy to monitor due to large, bright indicator LEDs
- Easy installation with SICK accessories



#### Cechy

|                                            |                                              |
|--------------------------------------------|----------------------------------------------|
| Zasada działania czujnika/Sposób detekcji: | Fotoprzełącznik refleksyjny, Standard optics |
| Wymiary (Szer. x Wys. x Głęb.):            | 12 mm x 31,5 mm x 21 mm                      |
| Housing design (light emission):           | Prostopadłościenna                           |
| Maks. strefa działania:                    | ≤ 6 m <sup>1)</sup>                          |
| Sensing range:                             | ≤ 5 m <sup>2)</sup>                          |
| Rodzaj światła:                            | Widzialne światło czerwone                   |
| Nadajnik światła:                          | Pin Point LED <sup>3)</sup>                  |
| Długość fali:                              | 650 nm                                       |
| Średnica plamki świetlnej (odległość):     | Ø 8 mm (350 mm)                              |

1) 2) PL80A<sup>3)</sup> Average service life of 100,000 h at T<sub>A</sub> = +25 °C

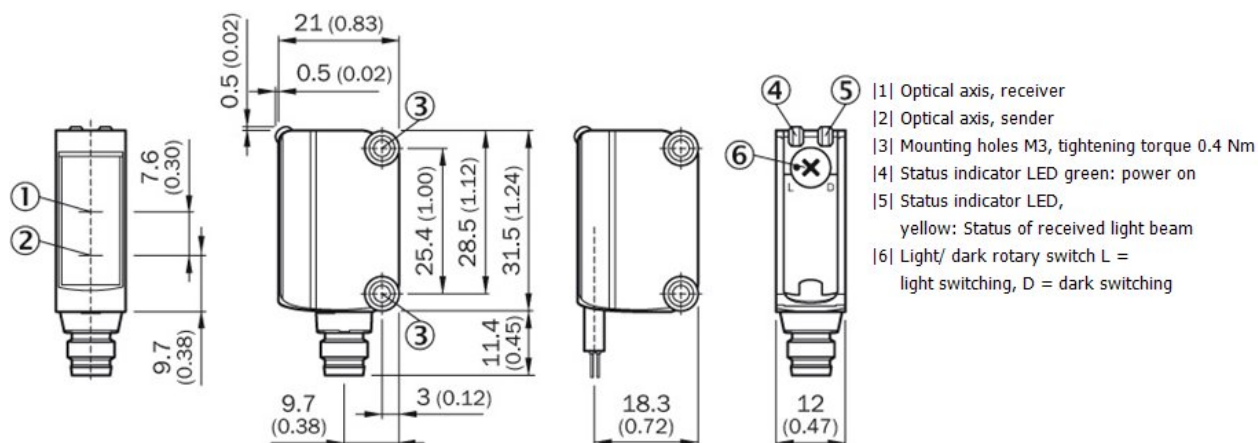
#### Mechanika/elektronika

|                          |                                      |
|--------------------------|--------------------------------------|
| Napięcie zasilania:      | 10 V DC ... 30 V DC <sup>1)</sup>    |
| Pobór prądu:             | ≤ 30 mA <sup>2)</sup>                |
| Wyjście przełączające:   | NPN, open collector                  |
| Tryb przełączania:       | Przełączanie jasno/ciemno, wybierane |
| Switching mode selector: | Selectable via light/dark selector   |

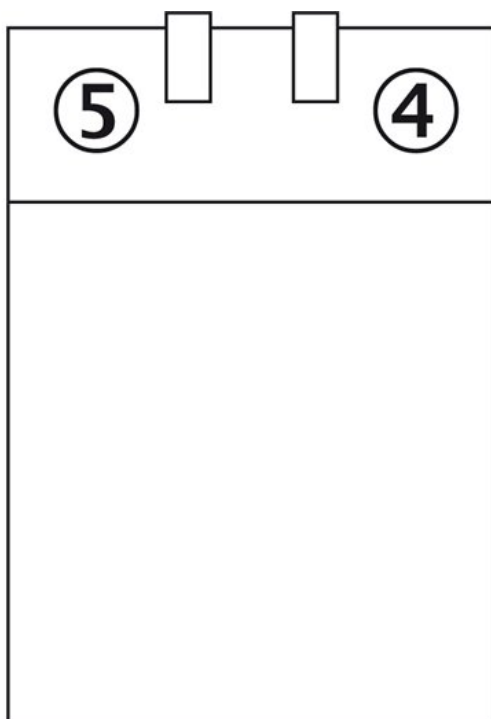
|                                   |                                                   |
|-----------------------------------|---------------------------------------------------|
| Napięcie sygnału NPN HIGH/LOW:    | Approx. $V_S / \leq 3 \text{ V}$                  |
| Output current $I_{\text{max}}$ : | $\leq 100 \text{ mA}$ <sup>3)</sup>               |
| Czas reakcji:                     | $< 625 \mu\text{s}$ <sup>4)</sup>                 |
| Switching frequency:              | $1.000 \text{ Hz}$ <sup>5)</sup>                  |
| Sposób przyłączenia:              | Cable, 3-wire, 2 m <sup>6)</sup>                  |
| Cable material:                   | PVC                                               |
| Conductor cross-section:          | $0,14 \text{ mm}^2$                               |
| Układ zabezpieczenia:::           | A, B, D <sup>7)</sup> <sup>8)</sup> <sup>9)</sup> |
| Ciężar:                           | 60 g                                              |
| Filtr polaryzacyjny:              | ✓                                                 |
| AS-Interface-Chip:                | -                                                 |
| Tworzywo, obudowa:                | ABS/PC, Tworzywo sztuczne                         |
| Tworzywo, układ optyczny:         | PMMA                                              |
| Rodzaj zabezpieczenia:            | IP 67                                             |
| Ambient operating temperature:    | $-25 \text{ °C} \dots 55 \text{ °C}$              |
| Ambient storage temperature:      | $-40 \text{ °C} \dots 70 \text{ °C}$              |

1) Limit values, operation in short-circuit protected network max. 8 A 2) Bez obciążenia 3) At  $V_S > 24 \text{ V}$ ,  $I_{\text{max}} = 50 \text{ mA}$  4) Signal transit time with resistive load 5)  
 With light/dark ratio 1:1 6) Do not bend below  $0 \text{ °C}$  7)  $A = V_S$  connections reverse-polarity protected 8)  $A$  B = inputs and output reverse-polarity protected 9) D = outputs  
 overcurrent and short-circuit protected

## Dimensional drawing

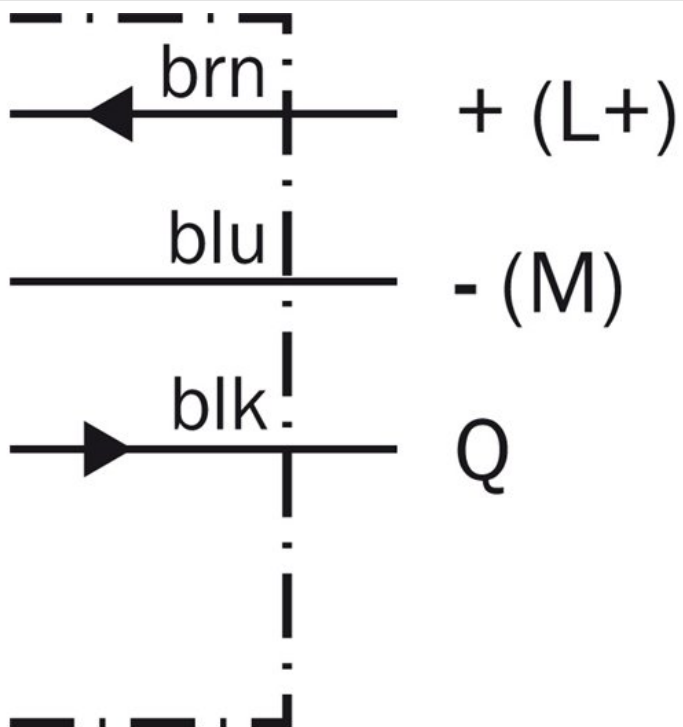


## Adjustments possible

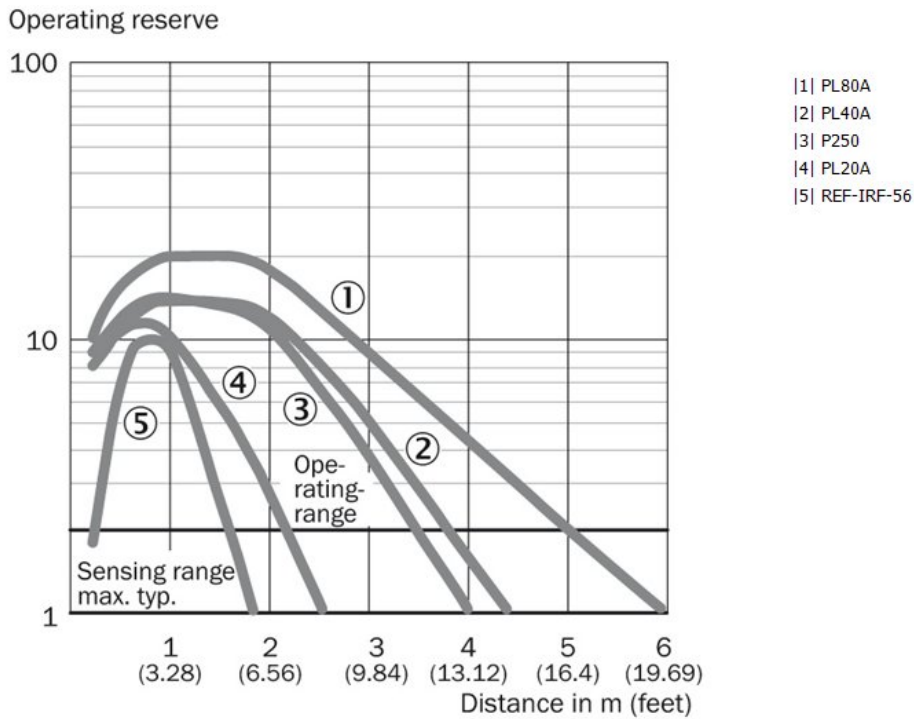


- |4| Status indicator LED green: power on
- |5| Status indicator LED,  
yellow: Status of received light beam

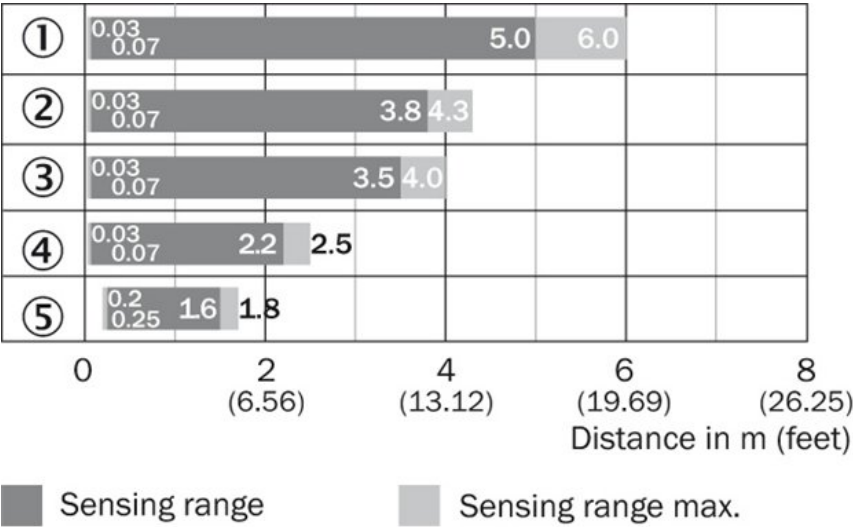
## Connection diagram



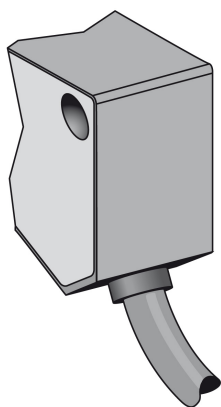
Characteristic curve



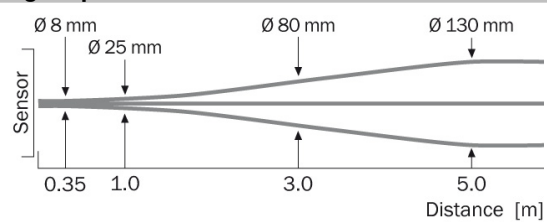
Sensing range diagram



## Connection type



## Light spot size



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