



## Fotoprzełączniki G6, Fotoprzełącznik refleksyjny, Standard optics

GL6-P4111



Nazwa modelu > **GL6-P4111**

Numer części > **1050706**



*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

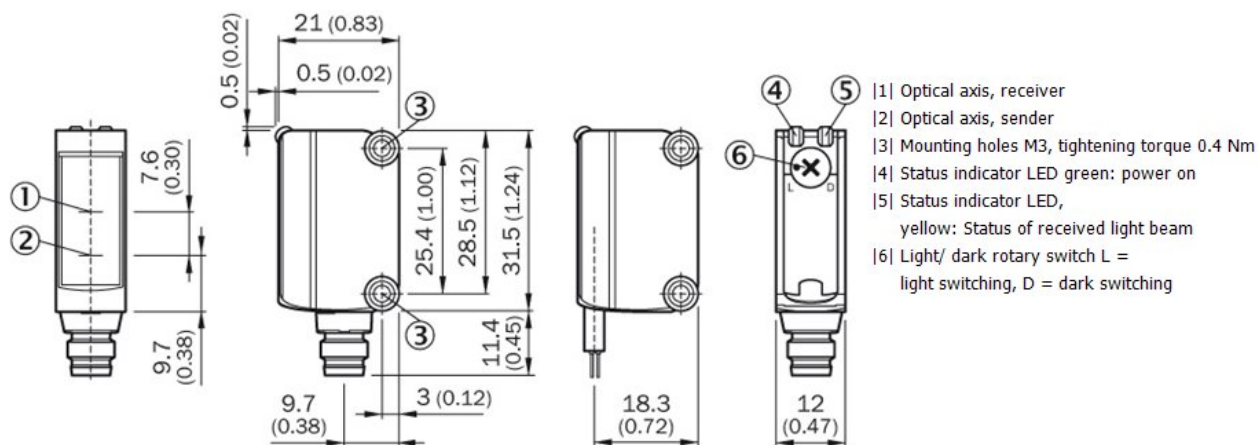
#### Mechanika/elektronika

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

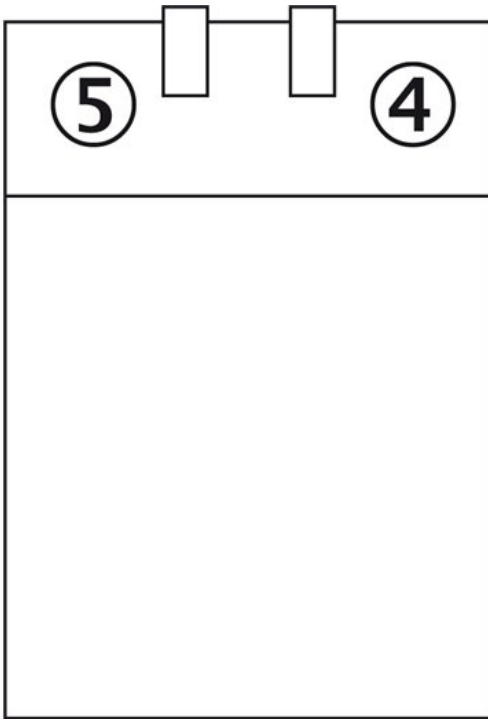
|                                    |                                |
|------------------------------------|--------------------------------|
| Napięcie sygnału PNP HIGH/LOW:     | VS - ( $\leq 3$ V)/approx. 0 V |
| Output current I <sub>max</sub> :: | $\leq 100$ mA <sup>3)</sup>    |
| Czas reakcji:                      | $< 625$ $\mu$ s <sup>4)</sup>  |
| Switching frequency:               | 1.000 Hz <sup>5)</sup>         |
| Typ połączenia:                    | Connector M8, 4-pin            |
| Układ zabezpieczenia:::            | A, B, D <sup>6)</sup> 7) 8)    |
| Ciężar:                            | 20 g                           |
| Filtr polaryzacyjny:               | ✓                              |
| AS-Interface-Chip:                 | -                              |
| Special device:                    | -                              |
| Tworzywo, obudowa:                 | ABS/PC, Tworzywo sztuczne      |
| Tworzywo, układ optyczny:          | PMMA                           |
| Rodzaj zabezpieczenia:             | IP 67                          |
| Ambient operating temperature:     | -25 °C ... 55 °C               |
| Ambient storage temperature:       | -40 °C ... 70 °C               |

1) Limit values, operation in short-circuit protected network max. 8 A 2) Bez obciążenia 3) At Vs > 24 V, I<sub>A</sub> max = 50 mA 4) Signal transit time with resistive load 5)  
 With light/dark ratio 1:1 6) A = V<sub>S</sub> connections reverse-polarity protected 7) B = inputs and output reverse-polarity protected 8) D = outputs overcurrent and short-circuit  
 protected

#### Dimensional drawing

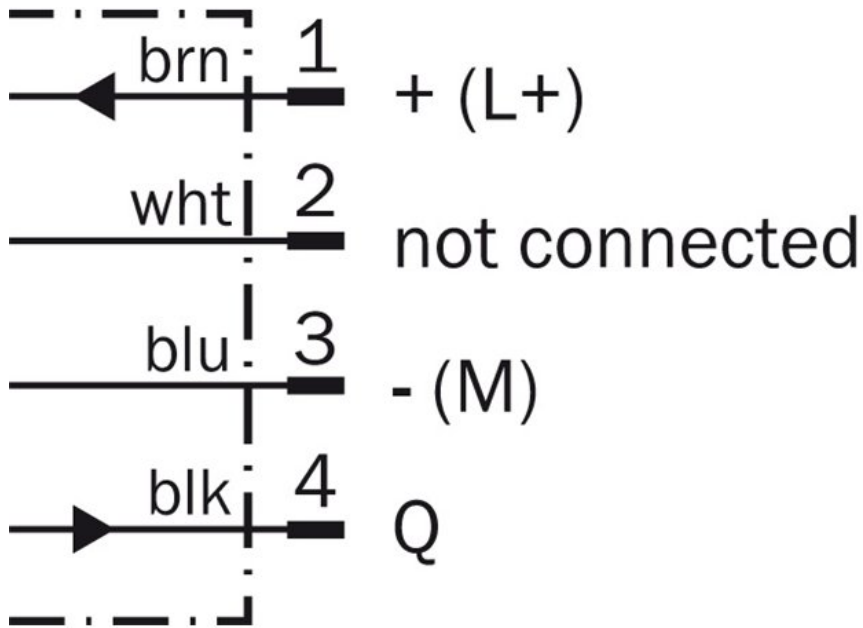


Adjustments possible

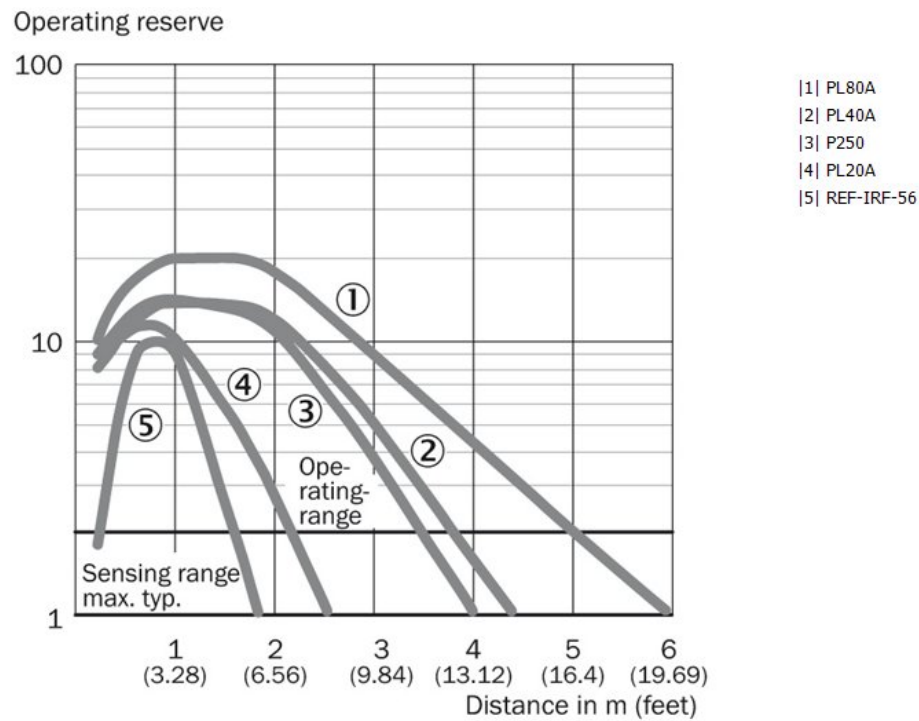


- |4| Status indicator LED green: power on
- |5| Status indicator LED,  
yellow: Status of received light beam

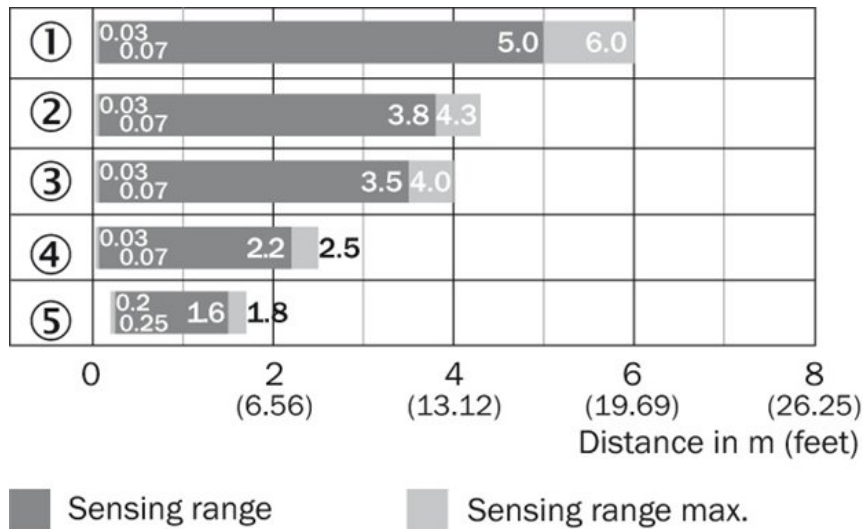
Connection diagram



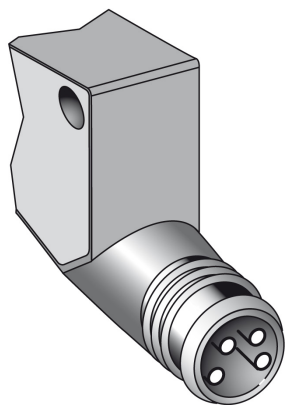
Characteristic curve



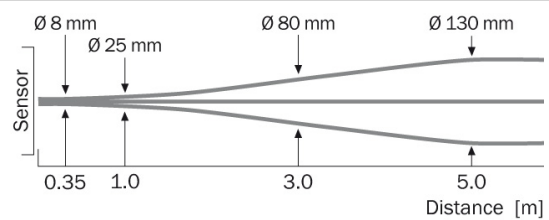
Sensing range diagram



## Connection type



## Light spot size



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