



Fotoprzełączniki G6, Fotoprzełącznik refleksyjny, Standard optics

GL6-N4111



Nazwa modelu > **GL6-N4111**

Numer części > **1050707**



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 ¹⁾
Sensing range:	≤ 5 m ²⁾
Rodzaj światła:	Widzialne światło czerwone
Nadajnik światła:	Pin Point LED ³⁾
Długość fali:	650 nm
Średnica plamki świetlnej (odległość):	Ø 8 mm (350 mm)

^{1) 2)} PL80A ³⁾ Average service life of 100,000 h at T_A = +25 °C

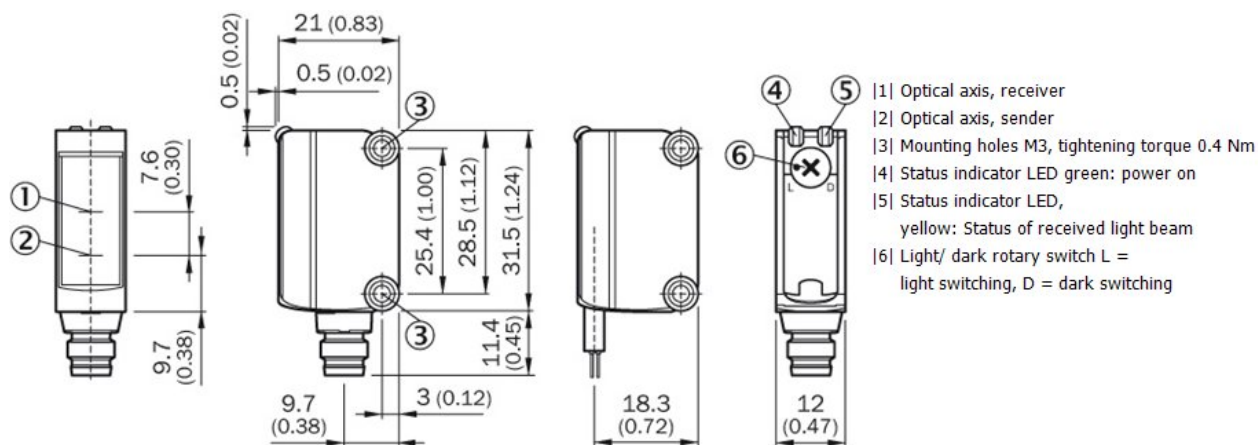
Mechanika/elektronika

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

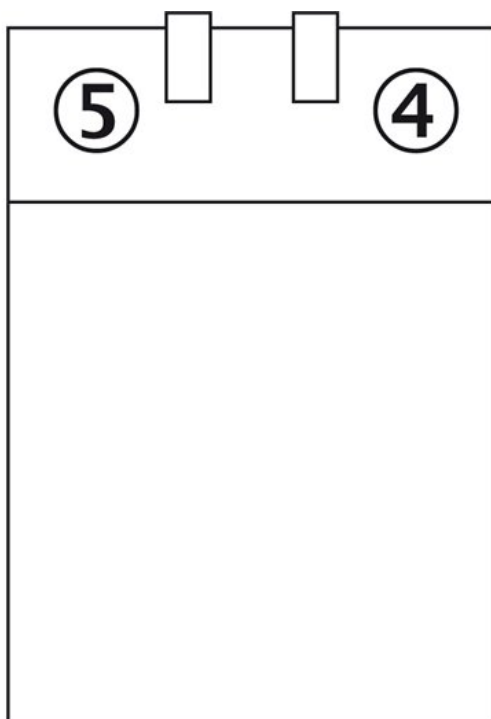
Napięcie sygnału NPN HIGH/LOW:	Approx. $V_S/\leq 3\text{ V}$
Output current I_{max} :	$\leq 100\text{ mA}$ ³⁾
Czas reakcji:	$< 625\text{ }\mu\text{s}$ ⁴⁾
Switching frequency:	1.000 Hz ⁵⁾
Sposób przyłączenia:	Connector M8, 4-pin
Układ zabezpieczenia:::	A, B, D ⁶⁾ ⁷⁾ ⁸⁾
Ciężar:	20 g
Filtr polaryzacyjny:	✓
AS-Interface-Chip:	-
Special device:	-
Tworzywo, obudowa:	ABS/PC, Tworzywo sztuczne
Tworzywo, układ optyczny:	PMMA
Rodzaj zabezpieczenia:	IP 67
Ambient operating temperature:	$-25\text{ }^{\circ}\text{C} \dots 55\text{ }^{\circ}\text{C}$
Ambient storage temperature:	$-40\text{ }^{\circ}\text{C} \dots 70\text{ }^{\circ}\text{C}$

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

Dimensional drawing

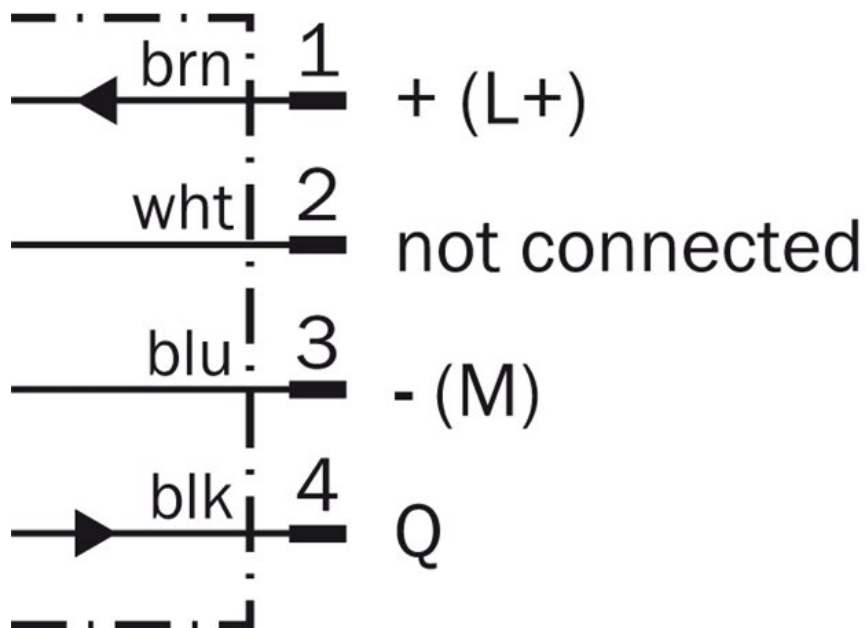


Adjustments possible

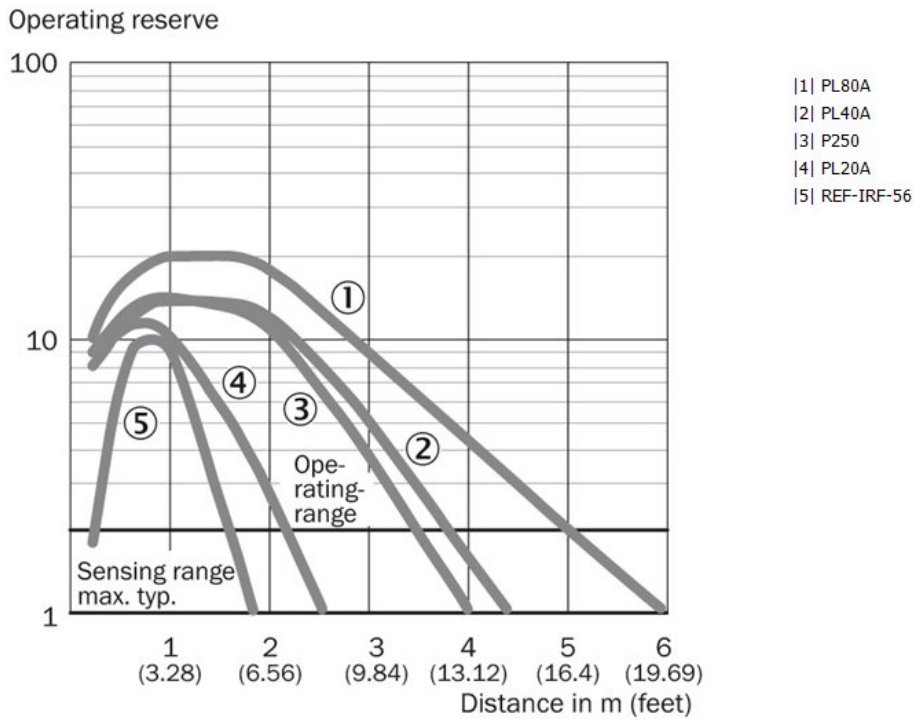


- |4| Status indicator LED green: power on
- |5| Status indicator LED,
yellow: Status of received light beam

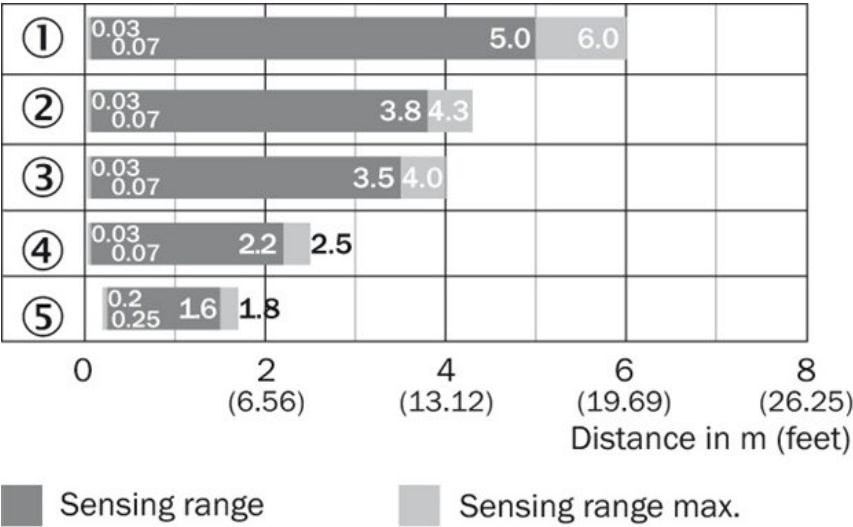
Connection diagram



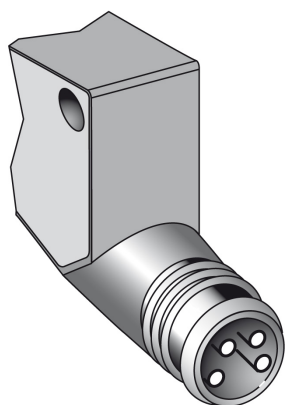
Characteristic curve



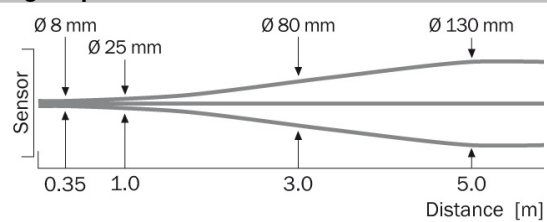
Sensing range diagram



Connection type



Light spot size



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