



Fotoprzełączniki G6, Fotoprzełącznik refleksyjny, Standard optics

GL6-P4112



Nazwa modelu > **GL6-P4112**

Numer części > **1051777**



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

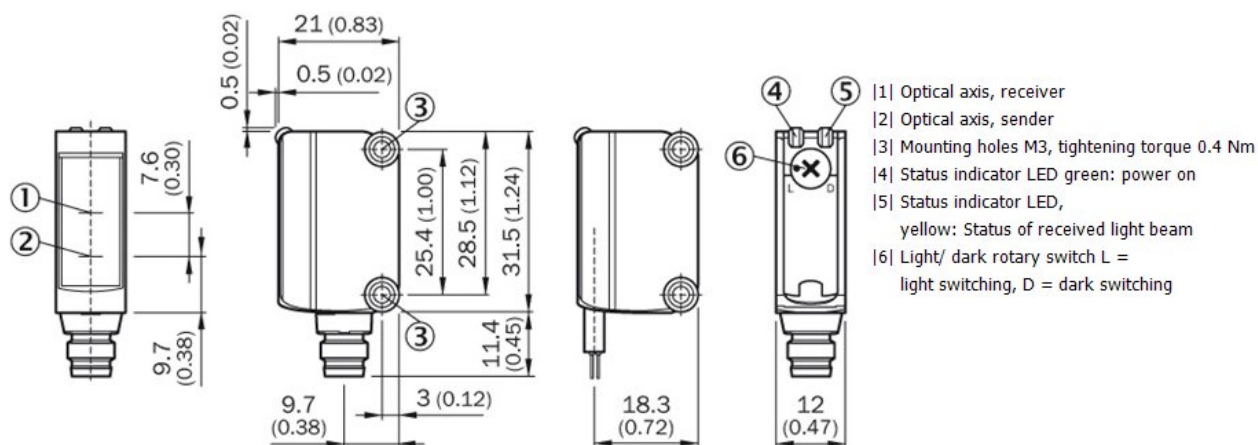
Mechanika/elektronika

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

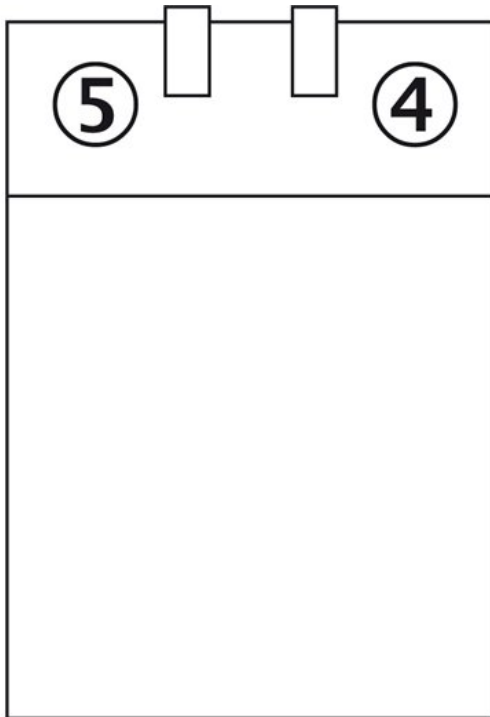
Napięcie sygnału PNP HIGH/LOW:	VS - (≤ 3 V)/approx. 0 V
Output current I _{max} :	≤ 100 mA ³⁾
Czas reakcji:	< 625 μ s ⁴⁾
Switching frequency:	1.000 Hz ⁵⁾
Sposób przyłączenia:	Connector M8, 4-pin
Układ zabezpieczenia:::	A, B, D ⁶⁾ 7) 8)
Ciężar:	20 g
Filtr polaryzacyjny:	✓
AS-Interface-Chip:	-
Special device:	-
Tworzywo, obudowa:	ABS/PC, Tworzywo sztuczne
Tworzywo, układ optyczny:	PMMA
Rodzaj zabezpieczenia:	IP 67
Dostawa:	Stainless steel mounting bracket (1.4301/304) BEF-W100-A, Reflector P250
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_A max = 50 mA ⁴⁾ Signal transit time with resistive load⁵⁾
 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

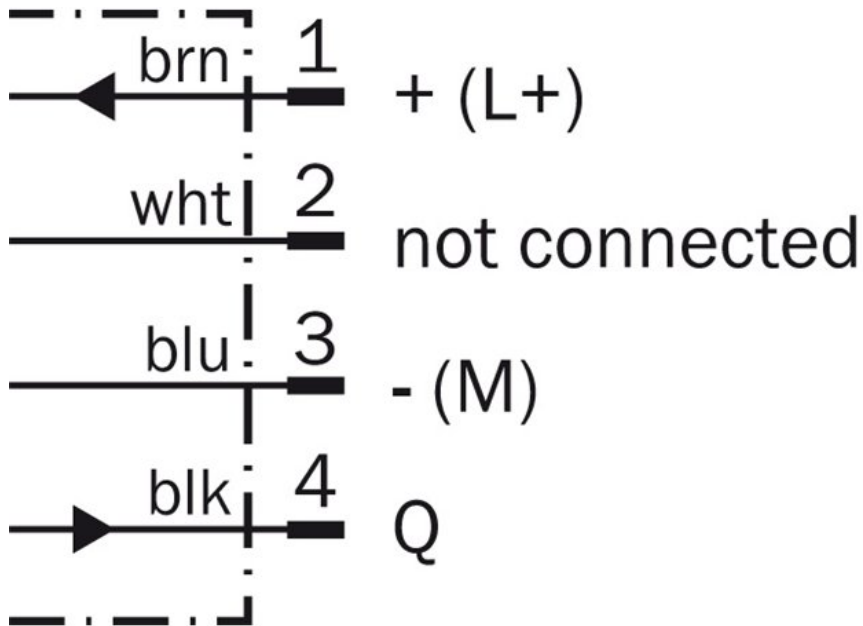


Adjustments possible

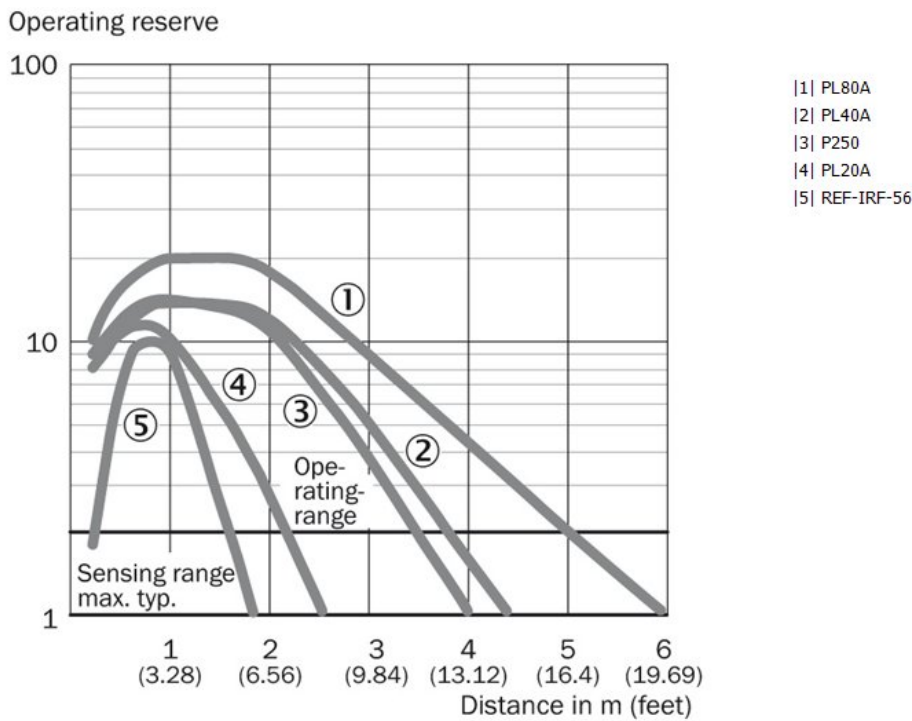


- |4| Status indicator LED green: power on
- |5| Status indicator LED,
yellow: Status of received light beam

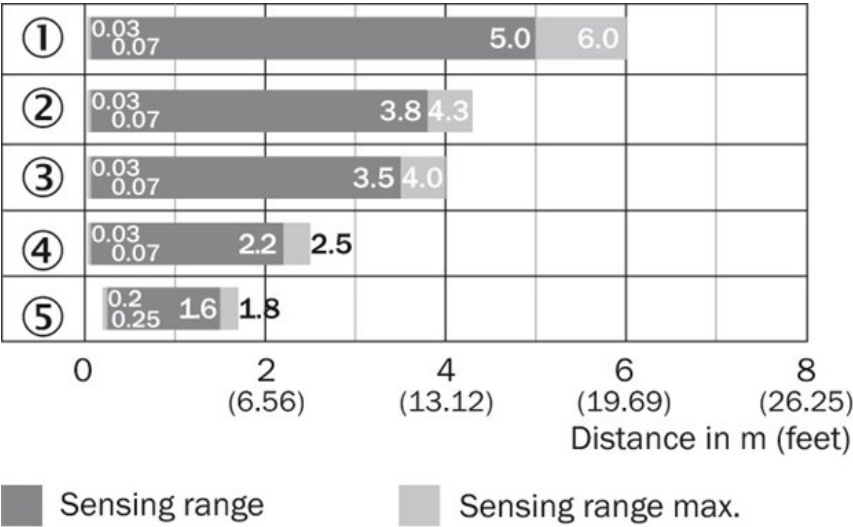
Connection diagram



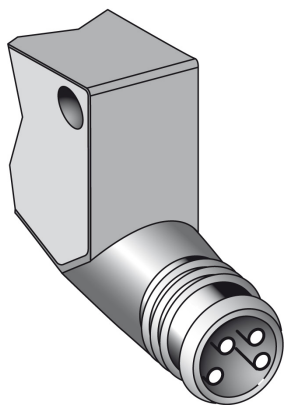
Characteristic curve



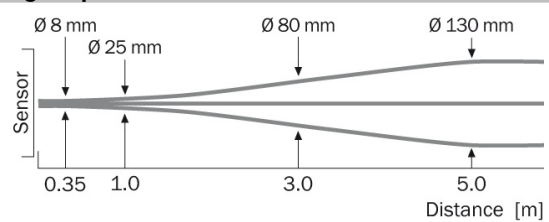
Sensing range diagram



Connection type



Light spot size



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