



Fotoprzełączniki G6, Fotoprzełącznik odbiciowy, energetyczny

GTE6-P4211



Nazwa modelu > **GTE6-P4211**

Numer części > **1050710**



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 odbiciowy, energetyczny
Wymiary (Szer. x Wys. x Głęb.):	12 mm x 31,5 mm x 21 mm
Housing design (light emission):	Prostopadłościenna
Maks. strefa działania:	≤ 300 mm ¹⁾
Sensing range:	≤ 250 mm
Rodzaj światła:	Widzialne światło czerwone
Nadajnik światła:	Pin Point LED ²⁾
Długość fali:	650 nm
Nastawa:	Potencjometr, 5 obrotów
Średnica plamki świetlnej (odległość):	Ø 7 mm (90 mm)

¹⁾ Obiekt odbijający 90% światła (standardowy biały zgodnie z normą DIN 5033) ²⁾ Average service life of 100,000 h at T_A = +25 °C

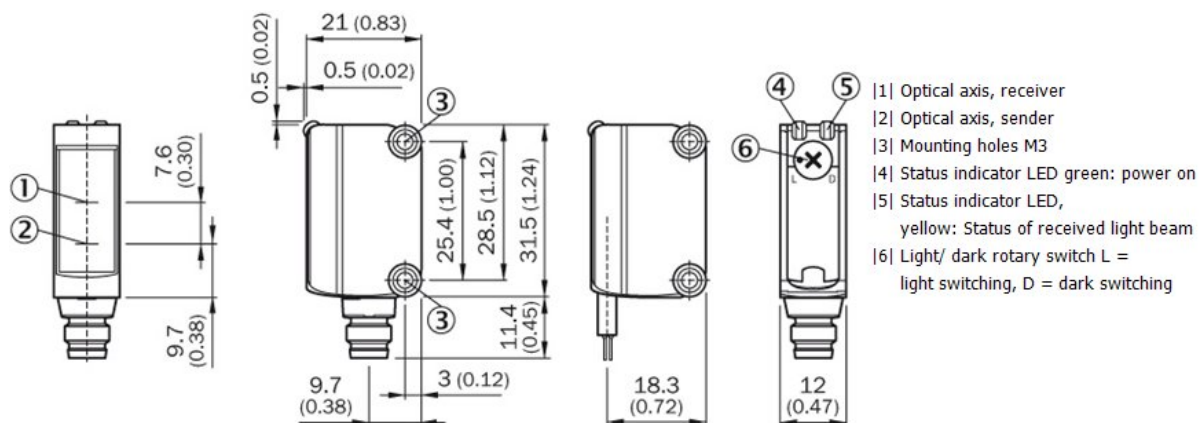
Mechanika/elektronika

Napięcie zasilania:	10 V DC ... 30 V DC ¹⁾
Pobór prądu:	≤ 30 mA ²⁾
Wyjście przełączające:	PNP
Tryb przełączania:	Przełączanie jasno/ciemno, wybierane

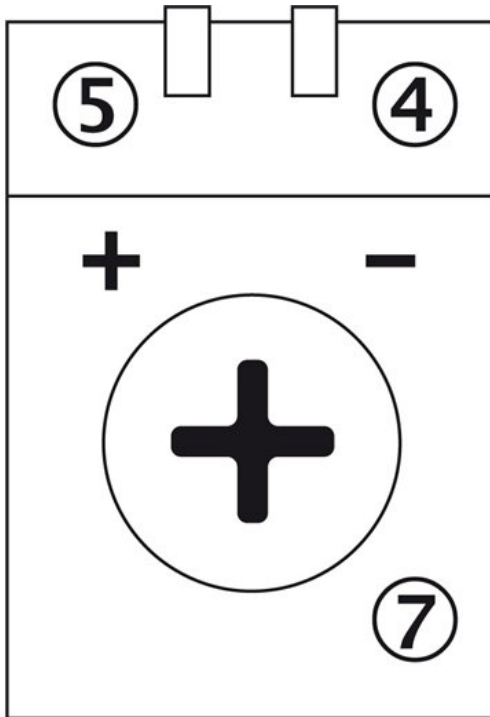
Switching mode selector:	Selectable via light/dark selector
Napięcie sygnału PNP HIGH/LOW:	VS - (≤ 3 V)/approx. 0 V
Output current I _{max} :	≤ 100 mA ³⁾
Czas reakcji:	$< 1,25$ μ s ⁴⁾
Switching frequency:	500 Hz ⁵⁾
Sposób przyłączenia:	Connector M8, 4-pin
Układ zabezpieczenia:::	A, B, D ⁶⁾ 7) 8)
Ciężar:	20 g
Filtr polaryzacyjny:	-
AS-Interface-Chip:	-
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_A max = 50 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

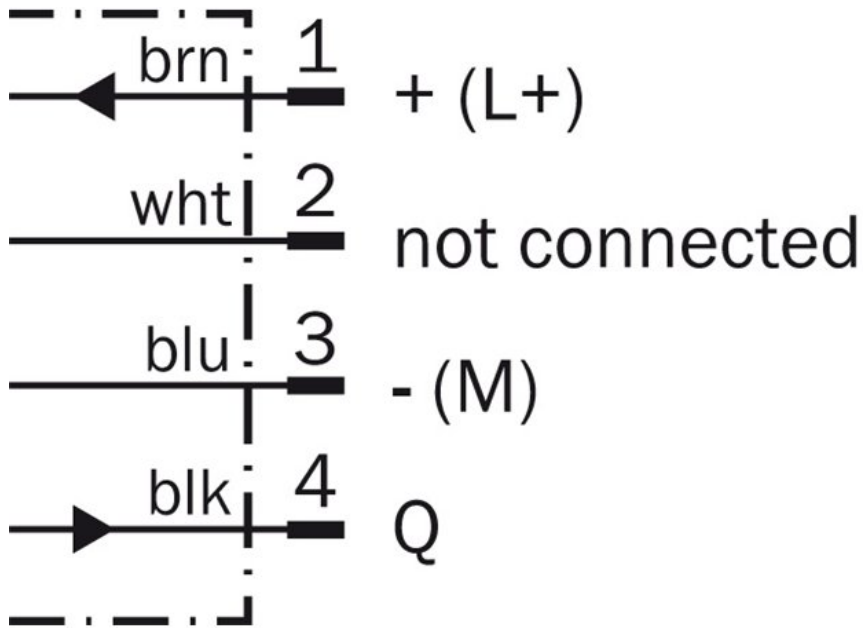


Adjustments possible

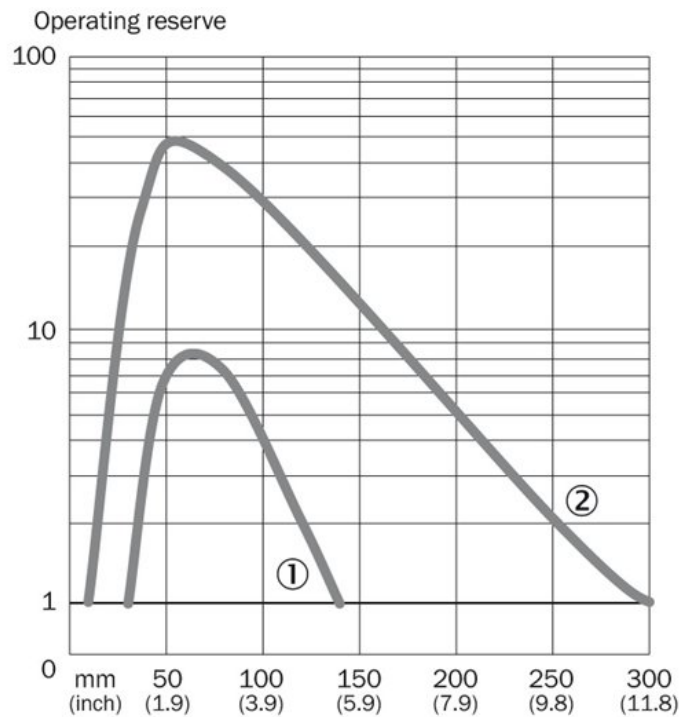


- |4| Status indicator LED green: power on
- |5| Status indicator LED,
yellow: Status of received light beam
- |7| Sensitivity adjustment: poti

Connection diagram

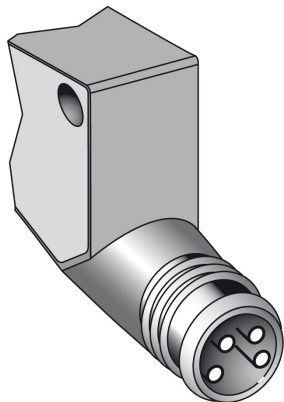


Characteristic curve

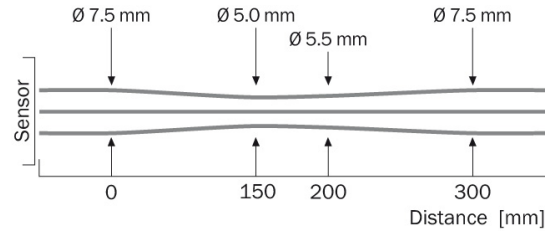


- |1| Sensing range on grey, 18 % remission
- |2| Sensing range on white, 90 % remission

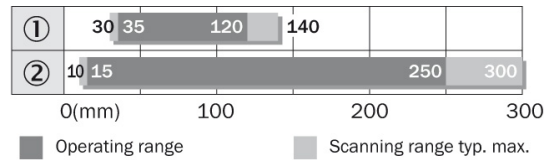
Connection type



Light spot size



Sensing range diagram



- |①| Scanning distance on black, 18 % remission
- |②| Scanning distance on white, 90 % remission

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