



Fotoprzełączniki G10, Fotoprzełącznik barierowy

GSE10-N1212



Nazwa modelu > **GSE10-N1212**

Numer części > **1065905**



Produkt może różnić się od ilustracji

At a glance

- Long sensing ranges: up to 40 m
- PinPoint LED with bright and precise light spot
- With or without sensitivity adjustment
- 10 V DC ... 30 V DC or 24 V AC/DC ... 240 V AC/DC power supply with PNP/NPN or relay output
- Small housing design
- Rugged sensor housing with metal-reinforced holes for assembly
- Weatherproof housing: ideal for outdoor applications

Your benefits

- Long sensing ranges for maximum operating reserves
- Universal DC or AC/DC power supply for even greater application flexibility
- Highly reliable and durable despite optical interference or mechanical loads
- Wide range of accessories simplifies sensor integration: aids for assembly and connectors
- Long service life even when used in outdoor applications thanks to rugged weatherproof housing



Cechy

Zasada działania czujnika/Sposób detekcji:	Fotoprzełącznik barierowy
Wymiary (Szer. x Wys. x Głęb.):	20 mm x 50 mm x 39 mm
Housing design (light emission):	Prostopadłościenna
Maks. strefa działania:	0 m ... 40 m
Strefa działania:	0 m ... 35 m
Rodzaj światła:	Widzialne światło czerwone
Nadajnik światła:	Pin Point LED ¹⁾
Długość fali:	625 nm
Nastawa:	Potentiometer, 270 °
Średnica plamki świetlnej (odległość):	Ø 180 mm (15 m)

¹⁾ Average service life of 100,000 h at T_A = +25 °C

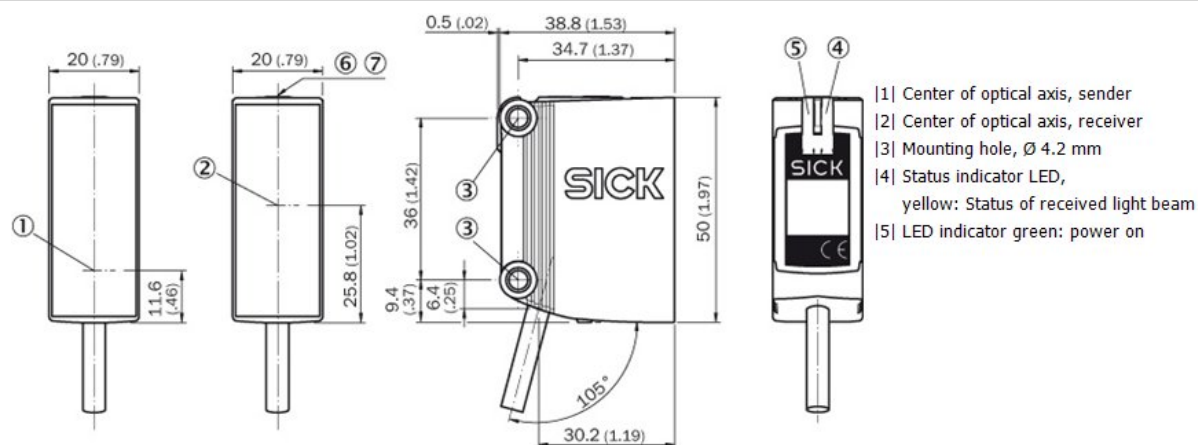
Mechanika/elektronika

Napięcie zasilania:	10 V DC ... 30 V DC ¹⁾
Tętnienia resztkowe:	± 5 Vss ²⁾
Pobór prądu, nadajnik:	≤ 15 mA

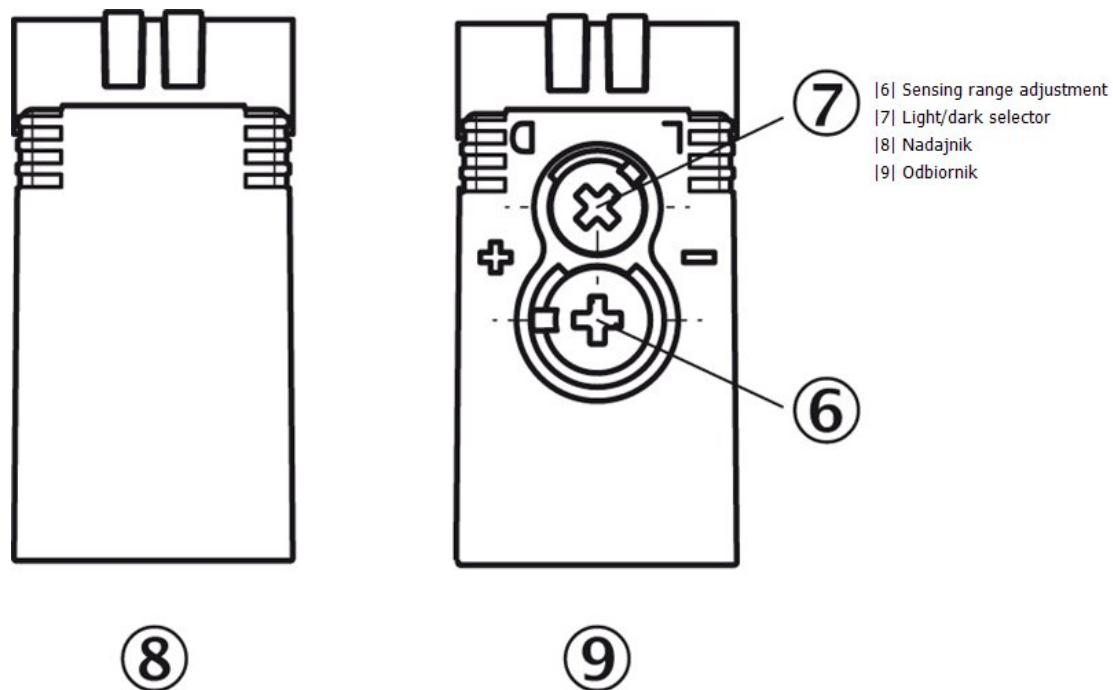
Wyjście przełączające:	NPN, open collector
Tryb przełączania:	Przełączanie jasno/ciemno, wybierane
Switching mode selector:	Selectable via light/dark selector
Output current I _{max} :	≤ 100 mA
Czas reakcji:	≤ 500 μs ³⁾
Sposób przyłączenia:	Cable, 3-wire, 2 m ⁴⁾
Cable material:	PVC
Conductor cross-section:	0,14 mm ²
Układ zabezpieczenia::::	A, B, C, D ^{5) 6) 7) 8)}
Klasa ochronności:	III
Ciężar:	180 g
Filtr polaryzacyjny:	-
Rodzaj zabezpieczenia:	IP 67
Dostawa:	Mounting bracket BEF-G10DC01 (2x)
Kompatybilność elektromagnetyczna::	EN 60947-5-2
Test input:	-
Ambient operating temperature:	-30 °C ... +60 °C
Ambient storage temperature:	-40 °C ... +70 °C
UL File No.:	NRKH.E348498 & NRKH7.E348498
Further standards:	UL325 ⁹⁾
Switching frequency max.:	1.000 Hz ¹⁰⁾
Housing material:	PVC/PMMA, Tworzywo sztuczne

¹⁾ Limit values, operation in short-circuit protected network max. 8 A
²⁾ May not exceed or fall short of V_S tolerances
³⁾ Signal transit time with resistive load
⁴⁾ Do not bend below 0 °C
⁵⁾ A = V_S connections reverse-polarity protected
⁶⁾ B = inputs and output reverse-polarity protected
⁷⁾ C = interference suppression
⁸⁾ D = outputs overcurrent and short-circuit protected
⁹⁾ Complies with the UL325 standard when used with sturdy protection hood (e.g. BEF-G10WSG, 2071960).
¹⁰⁾ With light/dark ratio 1:1

Rysunek techniczny

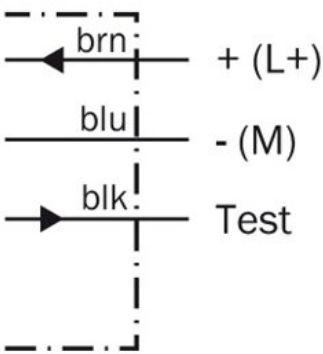


Adjustments possible

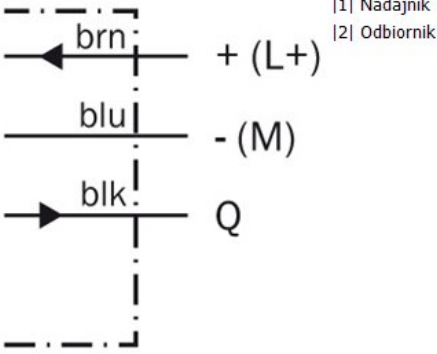


Connection diagram

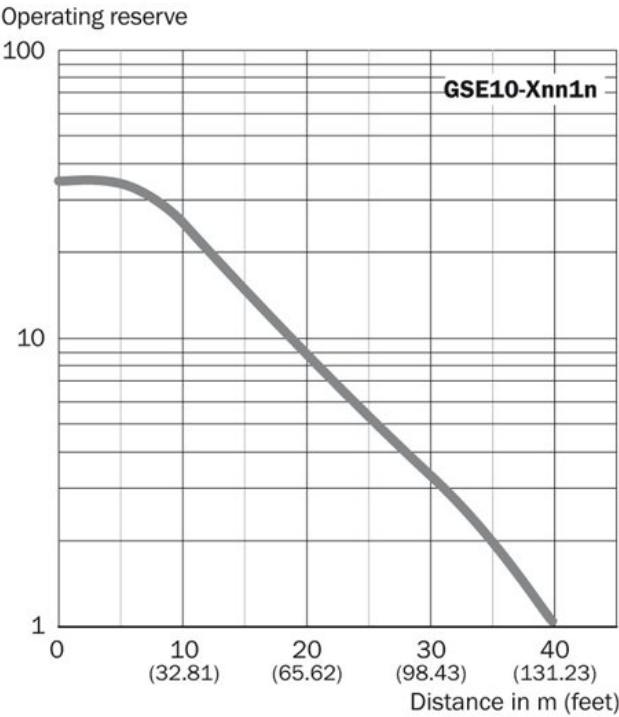
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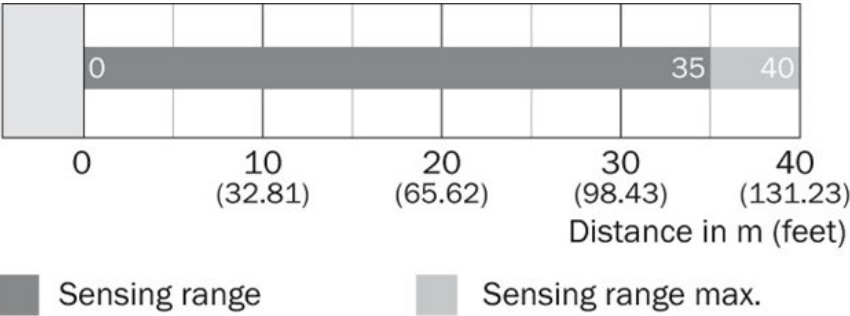
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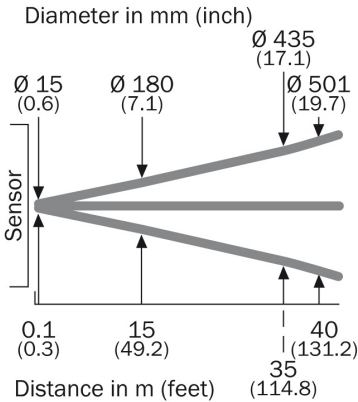
Characteristic curve



Sensing range diagram



Light spot size



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