



Fotoprzekaźniki

WLG4S-3P2232



Nazwa modelu > **WLG4S-3P2232**

Numer części > **1044186**



At a glance

- Continuous adaptation of the switching threshold when there is soiling
- Temperature compensation for stable working point
- Small, highly visible, sharply defined light spot
- Detection of glass with damping > 8%
- Teach-in function for fast and simple commissioning

Your benefits

- The all-around carefree package provides "best-in-glass" performance since all known transparent objects can be reliably detected
- Less downtime due to reliability of usage under changing environmental conditions - temperature, dust and drift effects are continually compensated by the adapting switching threshold.
- Simple and fast setting with a single press of the teach-in button



Cechy

Wymiary (Szer. x Wys. x Głęb.):	16 mm x 39,5 mm x 12 mm
Maks. strefa działania:	0,01 m ... 5 m ¹⁾
Sensing range:	0 m ... 3 m ²⁾
Housing desig (light emission):	Prostopadłościenna, Slim
Nadajnik światła:	Pin Point LED ³⁾
Rodzaj światła:	widzialne światło czerwone
Długość fali:	650 nm
Nastawa:	adjustable
Nastawienie czułości:	Teach
Teach-in:	single
Zasada działania czujnika/Sposób detekcji:	Fotoprzełącznik refleksyjny, autocollimation
Light spot (distance):	45 mm (1,5 m)

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

Mechanika/elektronika

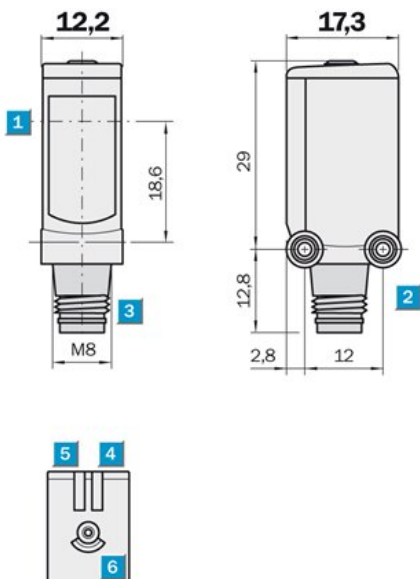
Rodzaj zabezpieczenia:	IP 67 IP 66
Napięcie zasilania:	10 V DC ... 30 V DC ¹⁾
Tętnienia resztkowe:	< 5 Vss ²⁾
Pobór prądu:	≤ 20 mA ³⁾
Wyjście przełączające:	PNP, przełączanie jasno/ciemno, wybierane

Output current I_{max}.: ≤ 100 mA
Czas reakcji: < 0,5 ms⁴⁾
Switching frequency: 1.000 Hz⁵⁾
Sposób przyłączania: Connector M8, 4-pin
Klasa ochronności: III
Układ zabezpieczenia:: A
C
D 6) 7) 8)

Ciężar: 30 g
Tworzywo, obudowa: ABS
Tworzywo, układ optyczny: PMMA
Ambient temperature, operation: -40 °C ... 60 °C
Ambient temperature, storage: -40 °C ... 75 °C
Filtr polaryzacyjny: ✓
Kąt odbioru: 30 °
Tłumienie w drodze optycznej światła: > 8 %
Emitancja: do obiektów transparentnych

1) Limit values 2) May not exceed or fall short of V_S tolerances 3) Without load 4) Signal transit time with resistive load 5) With light/dark ratio 1:1 6) A = VS
connections reverse-polarity protected 7) C = interference suppression 8) D = outputs overcurrent and short-circuit protected

Rysunek techniczny



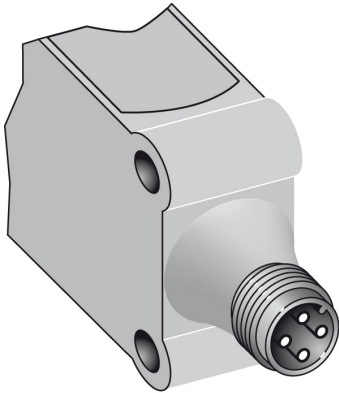
- [1] Center of optical axis
- [2] Threaded mounting hole M3
- [3] Connection
- [4] Status indicator LED, green: power on
- [5] LED indicator orange: status of received light beam

Możliwość dostosowania

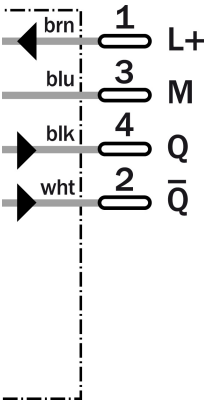


|7| Teach button

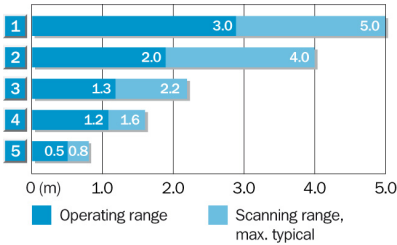
Typ połączenia



Schemat połączenia



Schemat zakresu pracy



Reflector type	Operating range
1 PL80A	0 ... 3.0 m
2 PL40A	0 ... 2.0 m
3 PL20A	0 ... 1.3 m
4 PL10F	0 ... 1.2 m
5 REF-IRF-56	0 ... 0.5 m

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