



Fotoprzekaźniki

WLG4S-3V2232



Nazwa modelu > **WLG4S-3V2232**

Numer części > **1042087**



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):	Slim
Nadajnik światła:	Pin Point LED ³⁾
Rodzaj światła:	widzialne światło czerwone
Długość fali:	650 nm
Nastawa:	adjustable
Nastawienie czułości:	Adjustable 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

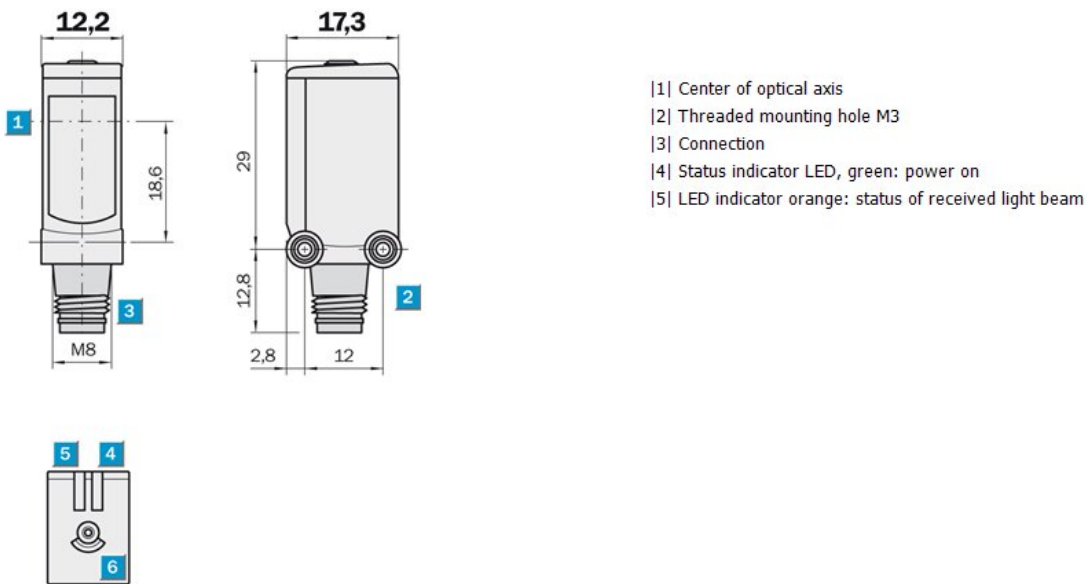
Mechanika/elektronika

Rodzaj zabezpieczenia:	IP 67 IP 66
Napięcie zasilania:	10 V DC ... 30 V DC ¹⁾
Tętnienia resztkowe:	< 5 Vss ²⁾
Pobór prądu:	20 ³⁾
Wyjście przełączające:	PNP, Dark-switching

Output current I _{max} ..	100
Czas reakcji:	< 0,5 ms ⁴⁾
Switching frequency:	1.000 With light/dark ratio 1:1
Sposób przyłączania:	Connector M8, 4-pin
Klasa ochronności:	III
Układ zabezpieczenia:::	A C D ^{5) 6) 7)}
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⁾ A = VS connections reverse-polarity protected ⁶⁾ C = interference suppression ⁷⁾ D = outputs overcurrent and short-circuit protected

Rysunek techniczny

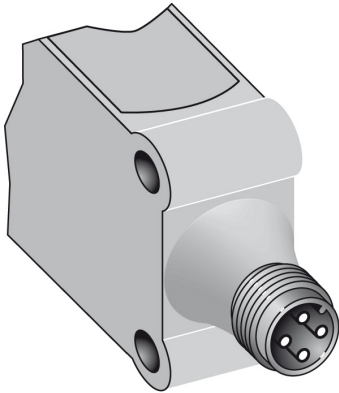


Możliwość dostosowania

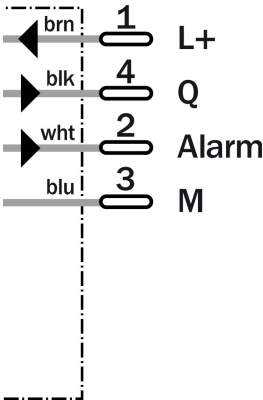


[7] Teach button

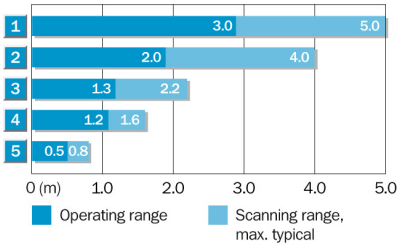
Typ połączenia



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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