



Fotoprzełączniki W4S-3 Inox Hygiene Glass, Fotoprzełącznik refleksyjny, autocollimation

WLG4S-3N1132H



Nazwa modelu > **WLG4S-3N1132H**

Numer części > **1048123**



Produkt może różnić się od ilustracji

At a glance

- Hygienic designed stainless steel housing and accessories (316L/1.4404)
- Hygienic mounting using M12-adapter thread or D12-adapter shaft
- IP 66, IP 67, IP 68 and IP 69K enclosure rating and Ecolab certified
- Resistant to a variety of common cleaning and disinfection agents
- PinPoint LED technology provides a highly visible laser-like light spot
- Teach-in stainless steel metal membrane or external teach-in

Your benefits

- Smooth hygienic housing and accessories with no grooves or crevices eliminates the potential for bacteria to grow, providing a more hygienic solution.
- Long service life in harsh conditions ensures less downtime and fewer replacement costs
- Reliable detection of all transparent objects in the pharmaceutical and food and beverage industries
- Quick and easy adjustment via a stainless steel metal membrane teach-in pushbutton
- Quick and easy alignment due to highly visible PinPoint emitter LED
- Remote monitoring and fast diagnostics via IO-Link (optional)



Cechy

Zasada działania czujnika/Sposób detekcji:	Fotoprzeźnik refleksyjny, autocollimation
Wymiary (Szer. x Wys. x Głęb.):	15,25 mm x 49,2 mm x 22,15 mm
Housing design:	Hygiene
Housing design (light emission):	Prostopadłościenna
Maks. strefa działania:	0 m ... 5 m ¹⁾
Sensing range:	0 m ... 3 m ²⁾
Rodzaj światła:	Widzialne światło czerwone
Nadajnik światła:	Pin Point LED ³⁾
Długość fali:	650 nm
Teach-in:	Single teach-in button
Nastawa:	Teach-in
Średnica plamki świetlnej (odległość):	Ø 45 mm (1,5 m)
Continuous threshold adaption:	✓

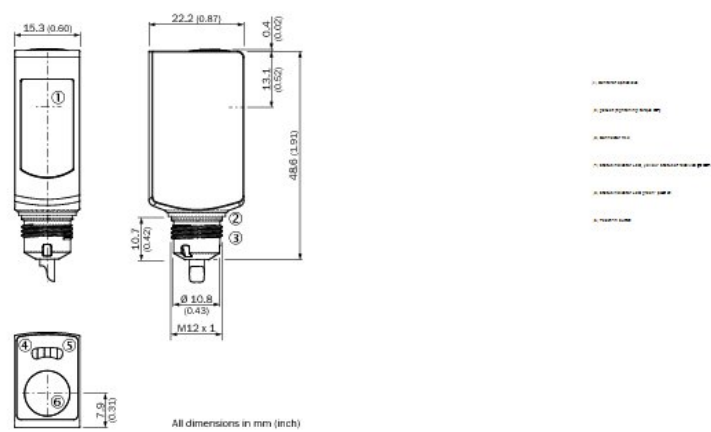
^{1) 2)} PL80A ³⁾ Average service life of 100,000 h at T_A = +25 °C

Mechanika/elektronika

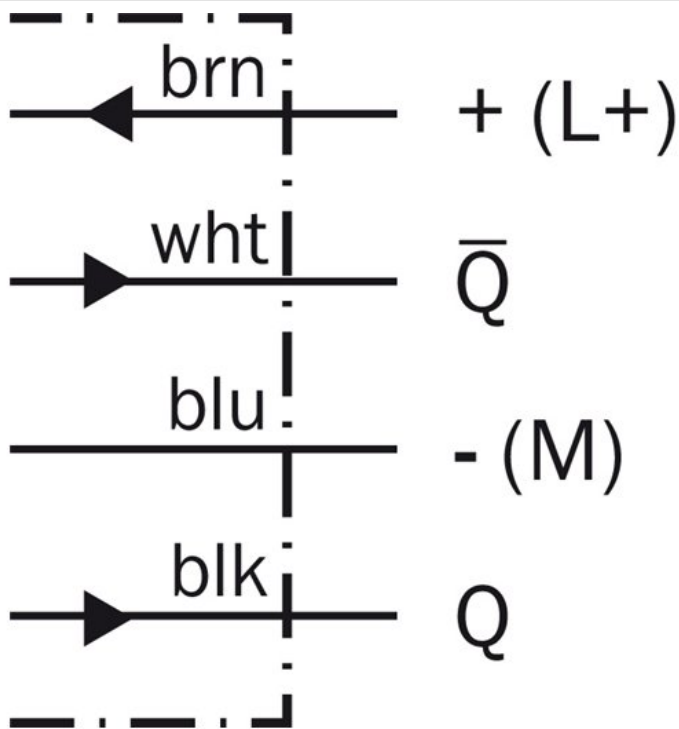
Napięcie zasilania:	10 V DC ... 30 V DC ¹⁾
Current consumption:	≤ 30 mA ²⁾
Wyjście przełączające:	NPN
Tryb przełączania:	Przełączanie jasno/ciemno, wybierane
Output current I _{max} ..:	≤ 100 mA ³⁾
Czas reakcji:	< 0,5 ms ⁴⁾
Switching frequency:	1.000 Hz ⁴⁾
Sposób przyłączenia:	Cable, 4-wire, 2 m ⁵⁾
Cable material:	PVC
Przekrój przewodu:	0,14 mm ²
Układ zabezpieczenia:::	A B ⁶⁾ 7) 8) C
Klasa ochronności:	III
Ciężar:	80 g
Filtr polaryzacyjny:	✓
IO-Link:	-
Tworzywo, obudowa:	Stainless steel, Stainless steel 316L
Rodzaj zabezpieczenia:	IP 66 IP 67 IP 68 IP 69K
Emitancja:	Do obiektów transparentnych
Ambient operating temperature:	-30 °C ... 60 °C, -30 °C ... 70 °C ⁹⁾
Ambient storage temperature:	-30 °C ... 75 °C
UL File No.:	FDA, UL No. NRKH.E181493 & cUL No. NRKH7.E181493

¹⁾ Limit values, reverse-polarity protected, operation in short-circuit protected network: max. 8 A ²⁾ Bez obciążenia ³⁾ Signal transit time with resistive load ⁴⁾ With light/dark ratio 1:1 ⁵⁾ Do not bend below 0 °C ⁶⁾ A = V_S connections reverse-polarity protected ⁷⁾ B = inputs and output reverse-polarity protected ⁸⁾ C = interference suppression ⁹⁾ At UV ≤ 24 V and IA < 30 mA

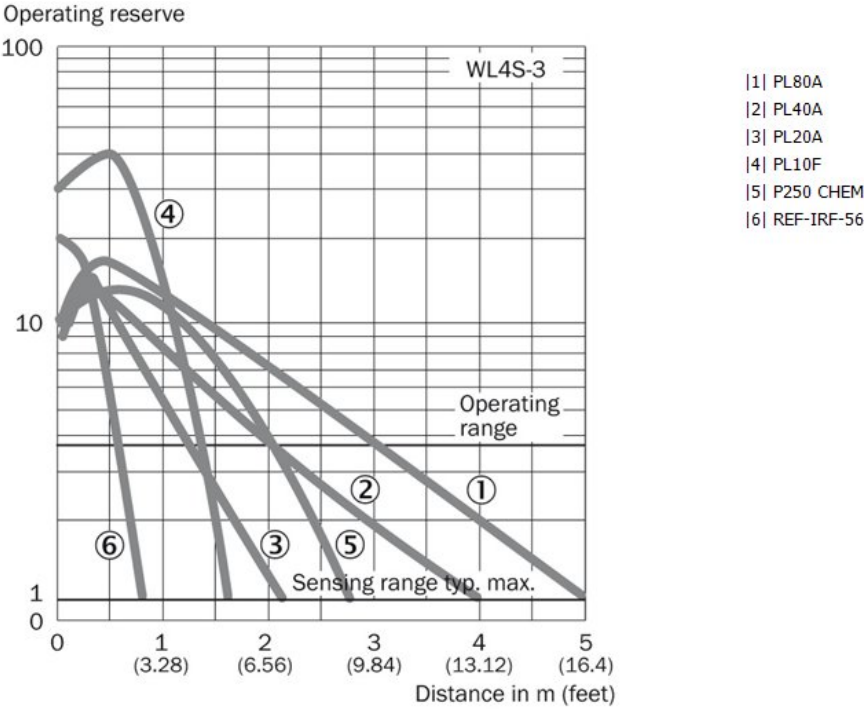
Dimensional drawing



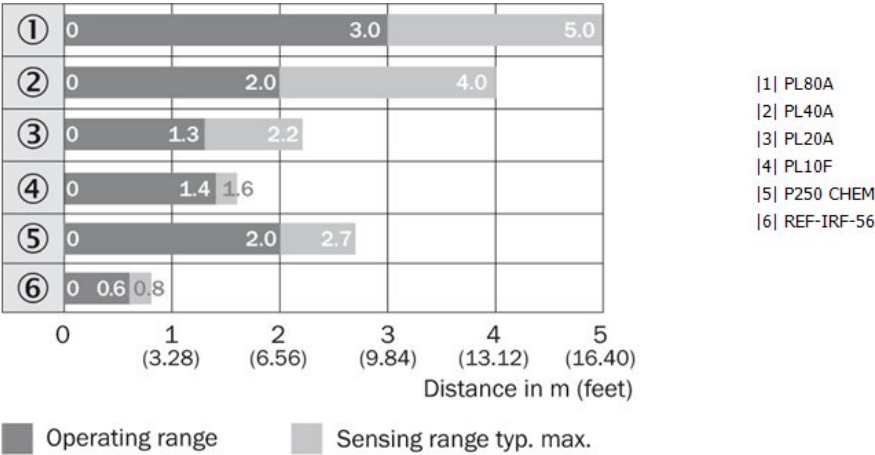
Connection diagram



Characteristic curve

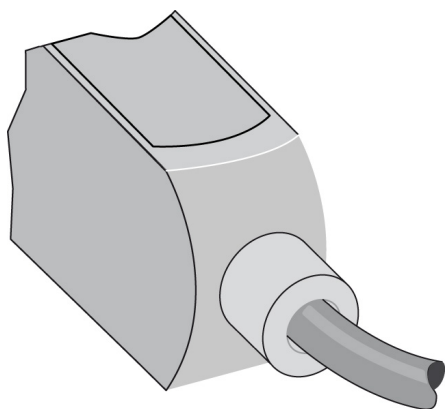


Sensing range diagram



- ① Reflector type PL80A
- ② Reflector type PL40A
- ③ Reflector type PL20A
- ④ Reflector type PL10F
- ⑤ Reflector type P250 CHEM
- ⑥ Reflective tape REF-IRF-56

Connection type



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