



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

WLG4S-3F3234HS01



Nazwa modelu > [WLG4S-3F3234HS01](#)

Numer części > [1048535](#)



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 cable ⁴⁾
Średnica plamki świetlnej (odległość):	Ø 45 mm (1,5 m)
Continuous threshold adaption:	✓

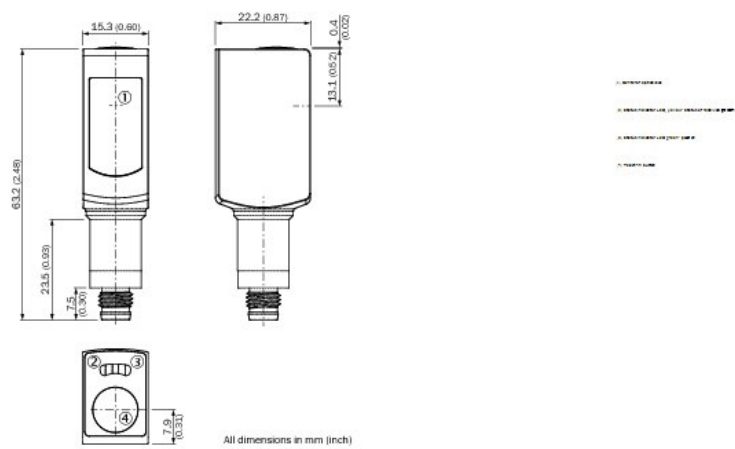
1) 2) PL80A 3) Average service life of 100,000 h at $T_A = +25\text{ }^{\circ}\text{C}$ 4) External teach-in: pulse > 2 s with voltage U_v with PNP and M with NPN

Mechanika/elektronika

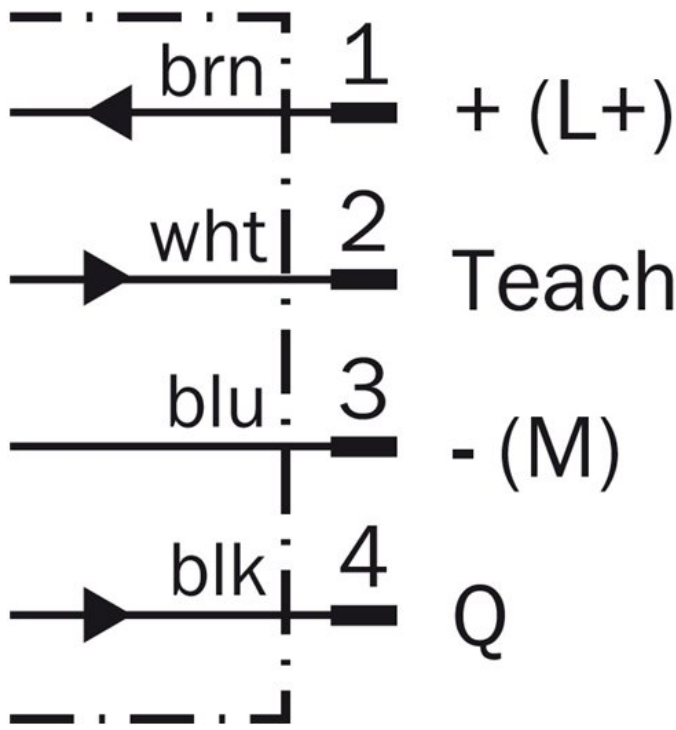
Napięcie zasilania:	10 V DC ... 30 V DC ¹⁾
Current consumption:	$\leq 30\text{ mA}$ ²⁾
Wyjście przełączające:	PNP
Tryb przełączania:	Dark-switching
Output current $I_{\max}$:	$\leq 100\text{ mA}$
Czas reakcji:	$< 0,5\text{ ms}$ ³⁾
Switching frequency:	$\pm 1.000\text{ Hz}$ ⁴⁾
Sposób przyłączenia:	Cable with connector M8, 4-pin, 150 mm ⁵⁾
Cable material:	PVC
Układ zabezpieczenia:::	A B 6) 7) 8) C
Klasa ochronności:	III
Ciężar:	50 g
Filtr polaryzacyjny:	✓
IO-Link:	-
Tworzywo, obudowa:	Stainless steel, Stainless steel 316L
Enclosure rating:	IP 66 IP 67 IP 68 IP 69K
Emitancja:	D12 adapter shaft, Do obiektów transparentnych
Ambient operating temperature:	$-30\text{ }^{\circ}\text{C} \dots 60\text{ }^{\circ}\text{C}$, $-30\text{ }^{\circ}\text{C} \dots 70\text{ }^{\circ}\text{C}$ ⁹⁾
Ambient storage temperature:	$-30\text{ }^{\circ}\text{C} \dots 75\text{ }^{\circ}\text{C}$
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 $0\text{ }^{\circ}\text{C}$ ⁶⁾ $A = V_S$ connections reverse-polarity protected ⁷⁾ B = inputs and output reverse-polarity protected ⁸⁾ C = interference suppression ⁹⁾ At $UV \leq 24\text{ V}$ and $IA < 30\text{ mA}$

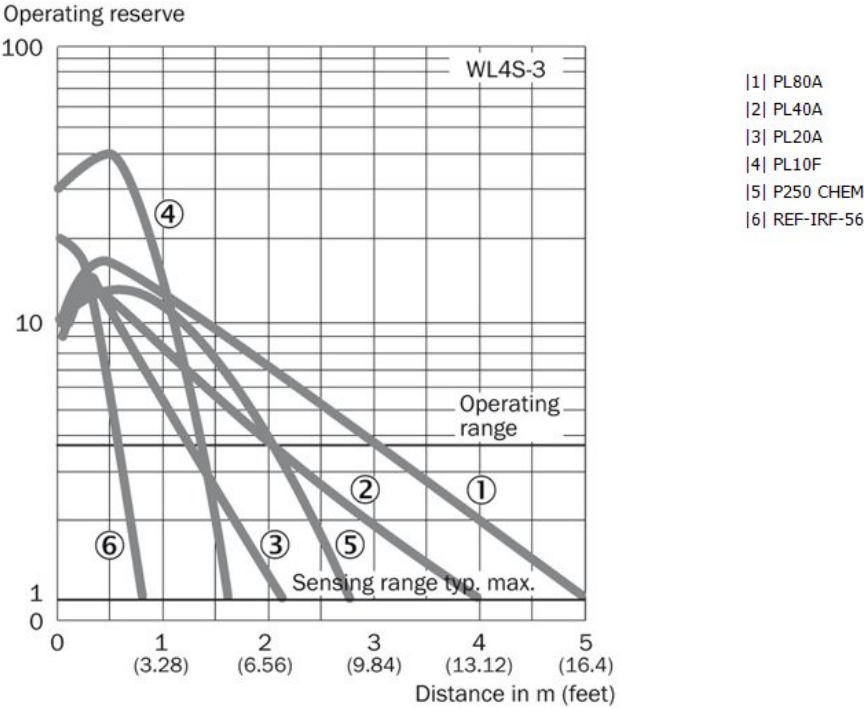
Dimensional drawing



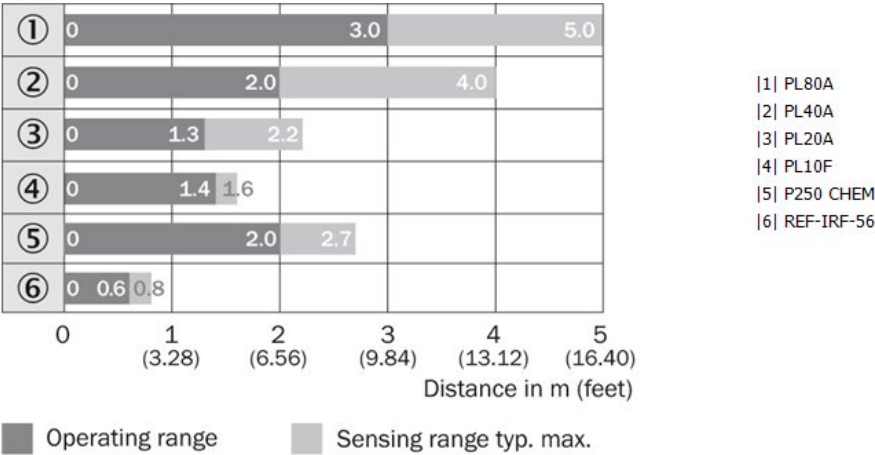
Connection diagram



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

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