



Fotoprzełączniki
W4S-3 Inox Glass, Fotoprzełącznik refleksyjny,
autocollimation

WLG4S-3F2234V



Nazwa modelu > **WLG4S-3F2234V**

Numer części > **1047653**



At a glance

- IP 66, IP 67, IP 68 and IP 69K enclosure rating and Ecolab certified
- Tough stainless steel housing (316L/1.4404)
- Resistant to a variety of common cleaning and disinfection agents
- Modern electrical connection available - M12 connector with pin casting
- PinPoint LED technology provides a highly visible laser-like light spot
- Teach-in via stainless steel pushbutton with a metal membrane
- Continuous threshold adjustment technology reliably detects objects in changing conditions

Your benefits

- Long service life in harsh conditions ensures less downtime and fewer replacement costs
- Reliable detection of all materials, including transparent objects in the pharmaceutical, packaging, and food and beverage industries
- 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 quick diagnostics via IO-Link (optional)



Cechy

Wymiary (Szer. x Wys. x Głęb.):	15,25 mm x 44,9 mm x 22,2 mm
Maks. strefa działania:	0 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
Nastawienie czułości:	Teach ⁴⁾ Cable
Teach-in:	single teach-in button
Zasada działania czujnika/Sposób detekcji:	Fotoprzełącznik refleksyjny, autocollimation
Light spot (distance):	Ø 45 mm (1,5 m)

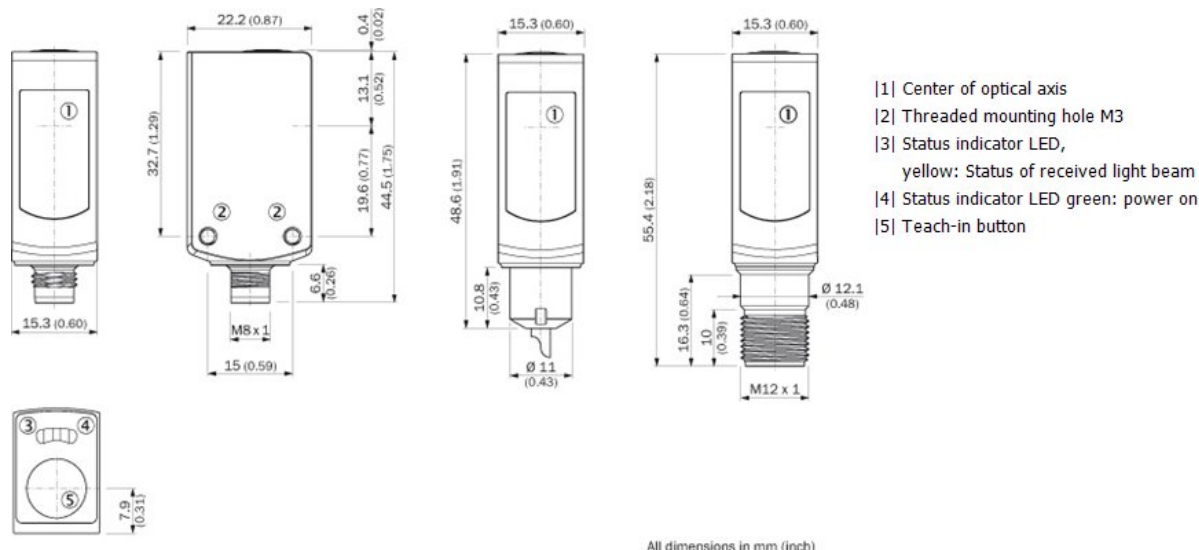
^{1) 2)} PL80A ³⁾ Average service life 100,000 h at Ta = +25 °C ⁴⁾ External teach-in: pulse > 2 s with voltage Uv with PNP and M with NPN

Mechanika/elektronika

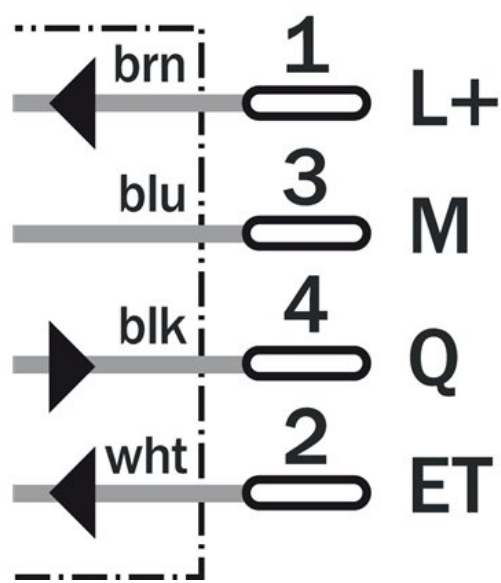
Rodzaj zabezpieczenia:	IP 66 IP 67 IP 68 IP 69K ¹⁾
Napięcie zasilania:	10 V DC ... 30 V DC ²⁾
Tętnienia resztkowe:	< 5 Vss ³⁾
Pobór prądu:	≤ 30 mA ⁴⁾
Wyjście przełączające:	PNP, Dark-switching
Output current I _{max} :	≤ 100 mA ⁵⁾
Czas reakcji:	< 0,5 ms ⁶⁾
Switching frequency:	1.000 Hz ⁶⁾
Sposób przyłączenia:	Connector M8, 4-pin
Klasa ochronności:	III
Układ zabezpieczenia:::	A B 7) 8) 9) C
Ciężar:	40 g
Tworzywo, obudowa:	Edelstahl 316L
Ambient temperature, operation:	-35 °C ... 70 °C ¹⁰⁾ -35 °C ... 60 °C
Ambient temperature, storage:	-35 °C ... 75 °C
Filtr polaryzacyjny:	✓
Special device:	-
Emitancja:	do obiektów transparentnych
UL File-No.:	UL No. NRKH.E181493 & cUL No. NRKH7.E181493

¹⁾ Only in case of correctly mounted IP 69K connecting cable ²⁾ Limit values, reverse-polarity protected, operation in short-circuit protected network, max. 8 A ³⁾ May not exceed or fall short of V_S ⁴⁾ Without load ⁵⁾ Signal transit time with resistive load ⁶⁾ With light/dark ratio 1:1 ⁷⁾ A = V_S connections reverse-polarity protected ⁸⁾ B = inputs and output reverse-polarity protected ⁹⁾ C = interference suppression ¹⁰⁾ At UV ≤ 24 V and IA < 30 mA

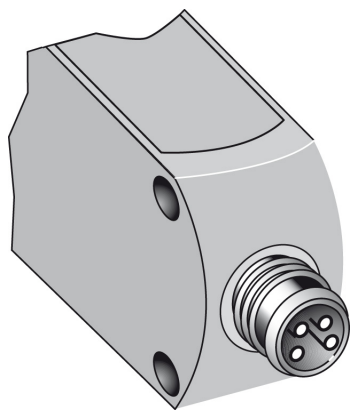
Dimensional drawing



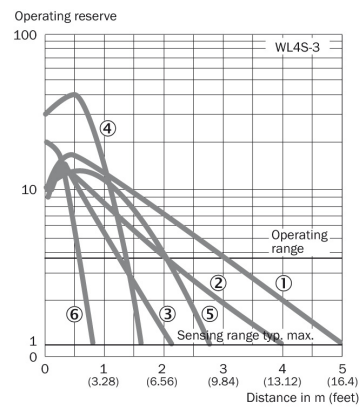
Connection diagram



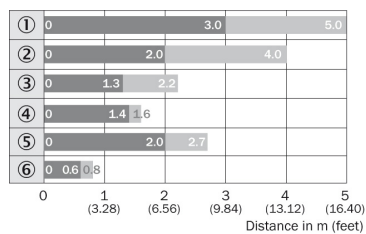
Connection type



Characteristic curve



Sensing range diagram



■ Operating range ■ Sensing range typ. max.

- 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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