



Fotoprzełączniki W4S-3 Inox, Fotoprzełącznik refleksyjny, autocollimation

WL4S-3P2230V



Nazwa modelu > **WL4S-3P2230V**

Numer części > **1045095**



At a glance

- WashDown rated for fluid tightness (IP 66, IP 67, IP 68 and IP 69K) 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
- Teach-in via stainless steel metal membrane teach button
- PinPoint LED technology provides a highly visible laser-like light spot

Your benefits

- Long service life in harsh conditions ensures less downtime and fewer replacement costs
- Easy adjustment via a stainless steel metal membrane teach-in pushbutton
- Quick and easy alignment due to highly visible PinPoint emitter LED
- Complete solution - chemically resistant reflectors available as an accessory



Cechy

Wymiary (Szer. x Wys. x Głęb.):	15.25 mm x 44.5 mm x 22.2 mm
Maks. strefa działania:	0 m ... 4 m ¹⁾
Sensing range:	0 m ... 2,5 m ²⁾
Housing desig (light emission):	Prostopadłościenna, Slim
Nadajnik światła:	Pin Point LED ³⁾
Rodzaj światła:	widzialne światło czerwone
Długość fali:	650 nm
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

Mechanika/elektronika

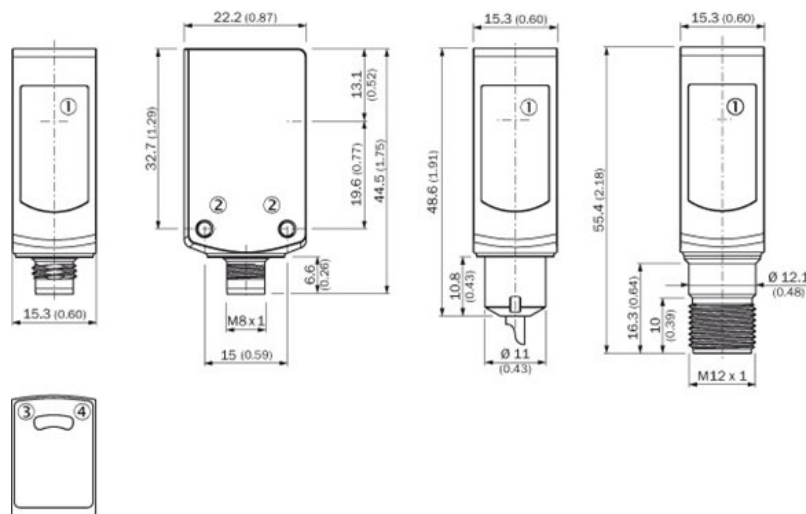
Rodzaj zabezpieczenia:	IP 66 IP 67 IP 68 IP 69K ¹⁾
Napięcie zasilania:	10 V DC ... 30 V DC ²⁾
Tętnienia resztkowe:	< 5 Vss ³⁾
Pobór prądu:	≤ 30 mA ⁴⁾
Wyjście przełączające:	PNP, przełączanie jasno/ciemno, wybierane

Output current I_{max}: ≤ 100 mA
Czas reakcji: < 0,5 ms⁵⁾
Switching frequency: 1.000 Hz⁶⁾
Sposób przyłączenia: Connector M8, 4-pin
Klasa ochronności: III
Układ zabezpieczenia:: A
B
C 7) 8) 9)

Ciężar: 40 g
Tworzywo, obudowa: Edelstahl 316L
Ambient temperature, operation: -35 °C ... 70 °C¹⁰⁾
-35 °C ... 60 °C
Ambient temperature, storage: -35 °C ... 75 °C
Filtr polaryzacyjny: ✓
UL File-No.: UL No. NRKH.E181493 & cUL No. NRKH7.E181493

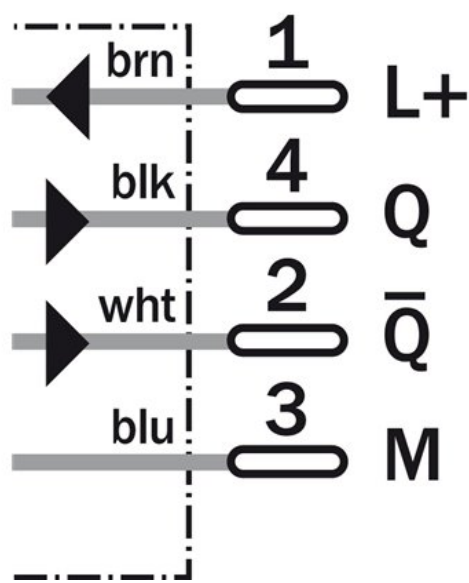
¹⁾ Only in case of correctly mounted IP 69K connecting cable ²⁾ Limit values, reverse-polarity protected, operation in short-circuit protected network, max. 8 A ³⁾ May not exceed or fall short of V_S ⁴⁾ Without load ⁵⁾ Signal transit time with resistive load ⁶⁾ With light/dark ratio 1:1 ⁷⁾ A = V_S connections 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

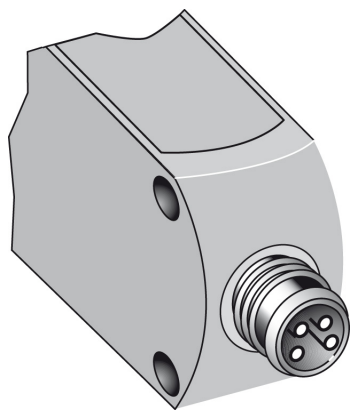


All dimensions in mm (inch)

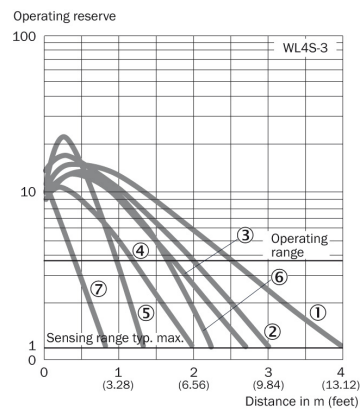
Connection diagram



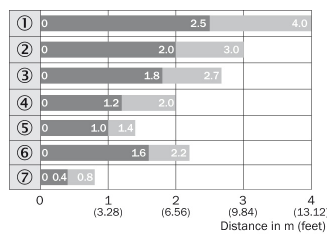
Connection type



Characteristic curve



Sensing range diagram



■ Operating range ■ Sensing range typ. max.

- ① Reflector type PL80A
- ② Reflector type PL250F
- ③ Reflector type PL40A
- ④ Reflector type PL20A
- ⑤ Reflector type PL10F
- ⑥ Reflector type P250 CHEM
- ⑦ Reflexion tape REF-IRF-56

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