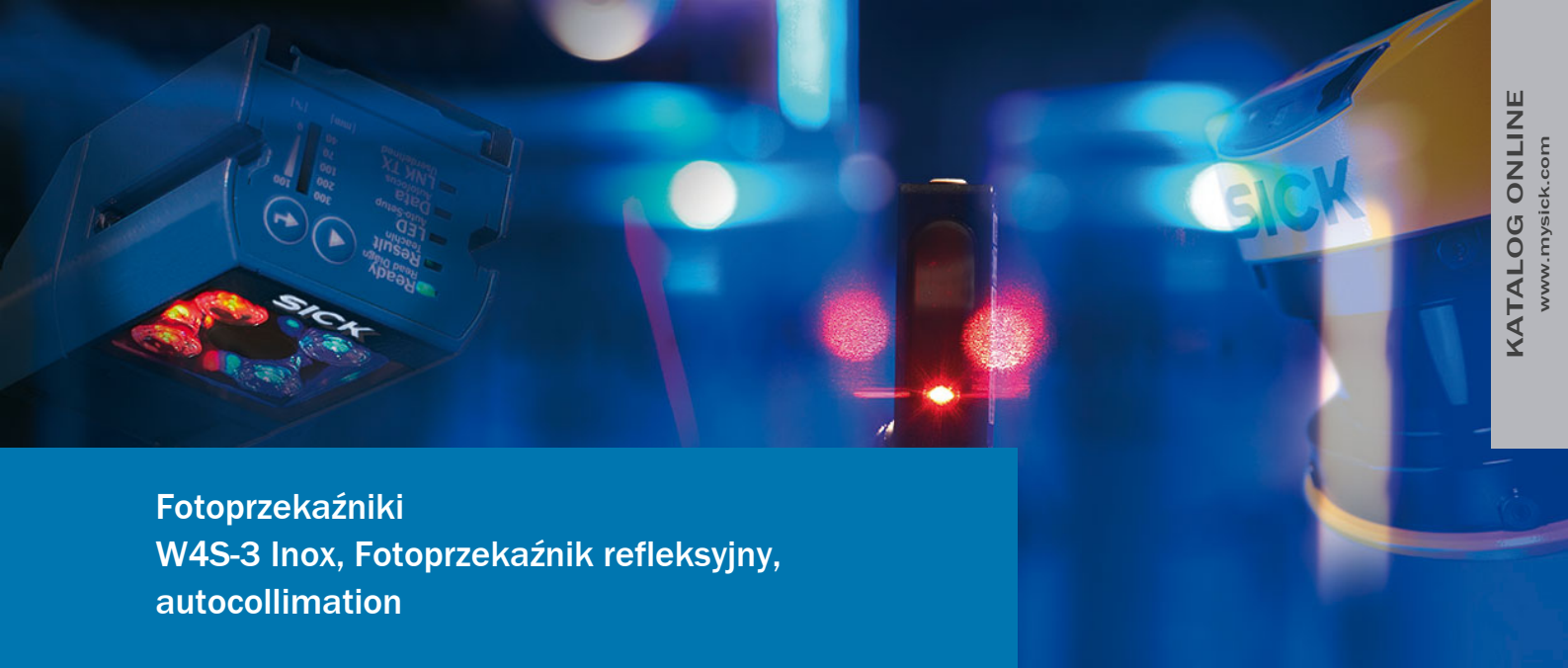




Fotoprzełączniki W4S-3 Inox, Fotoprzełącznik refleksyjny, autocollimation

WL4S-3P3130V



Nazwa modelu > **WL4S-3P3130V**

Numer części > **1046414**



Produkt może różnić się od ilustracji

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

Zasada działania czujnika/Sposób detekcji:	Fotoprzełącznik refleksyjny, autocollimation
Wymiary (Szer. x Wys. x Głęb.):	15,25 mm x 48,6 mm x 22,2 mm
Housing design:	Washdown
Housing design (light emission):	Prostopadłościenna, Slim
Maks. strefa działania:	0 m ... 4 m ¹⁾
Sensing range:	0 m ... 2,5 m ²⁾
Rodzaj światła:	Widzialne światło czerwone
Nadajnik światła:	Pin Point LED ³⁾
Długość fali:	650 nm
Średnica plamki świetlnej (odległość):	Ø 45 mm (1,5 m)

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

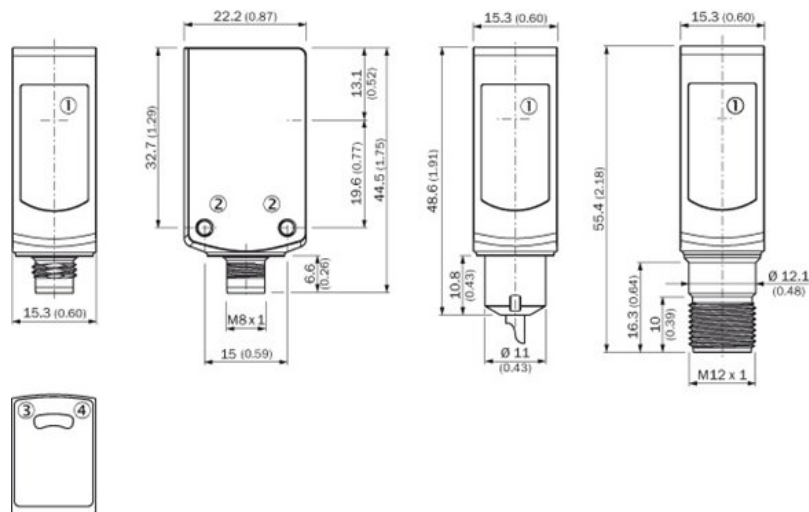
Mechanika/elektronika

Napięcie zasilania:	10 V DC ... 30 V DC ¹⁾
Tętnienia resztkowe:	< 5 Vss ²⁾
Pobór prądu:	≤ 30 mA ³⁾
Switching output:	PNP
Tryb przełączania:	Przełączanie na jasnym
Output current I _{max} :	≤ 100 mA

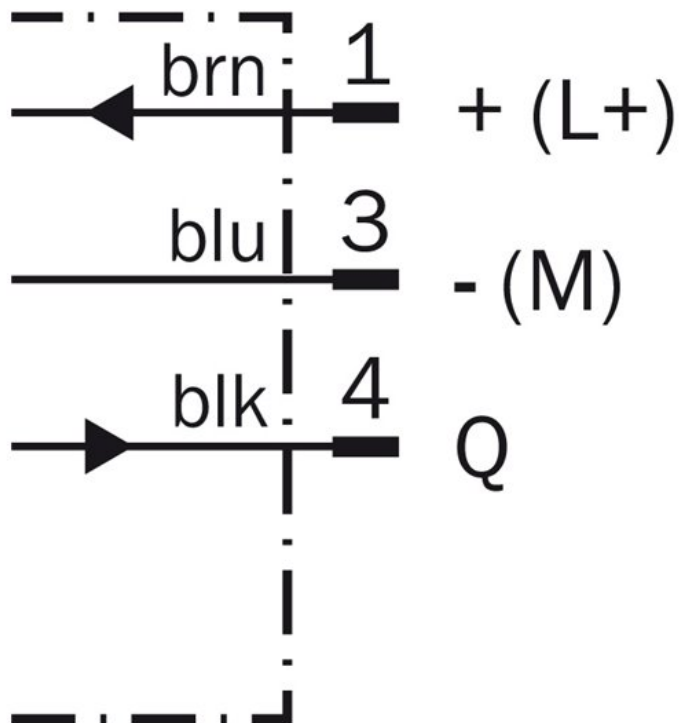
Czas reakcji:	< 0,5 ms ⁴⁾
Switching frequency:	1.000 Hz ⁵⁾
Typ połączenia:	Cable with connector M8, 3-pin, 150 mm ⁶⁾
Cable material:	PVC
Układ zabezpieczenia:::	A B 7) 8) 9) C
Klasa ochronności:	III
Ciężar:	50 g
Filtr polaryzacyjny:	✓
Tworzywo, obudowa:	Stainless steel, Stainless steel 316L
Rodzaj zabezpieczenia:	IP 66 IP 67 IP 68 IP 69K
Ambient operating temperature:	-30 °C ... 60 °C, -30 °C ... 70 °C ¹⁰⁾
Ambient storage temperature:	-30 °C ... 75 °C
UL File No.:	NRKH.E181493 & NRKH7.E181493

¹⁾ Limit values, reverse-polarity protected, operation in short-circuit protected network, max. 8 A ²⁾ May not exceed or fall short of V_S tolerances ³⁾ Bez obciążenia ⁴⁾
 Signal transit time with resistive load ⁵⁾ With light/dark ratio 1:1 ⁶⁾ Do not bend below 0 °C ⁷⁾ $A = V_S$ connections reverse-polarity protected ⁸⁾ B = inputs and output
 reverse-polarity protected ⁹⁾ C = interference suppression ¹⁰⁾ At $UV \leq 24 \text{ V}$ and $IA < 30 \text{ mA}$

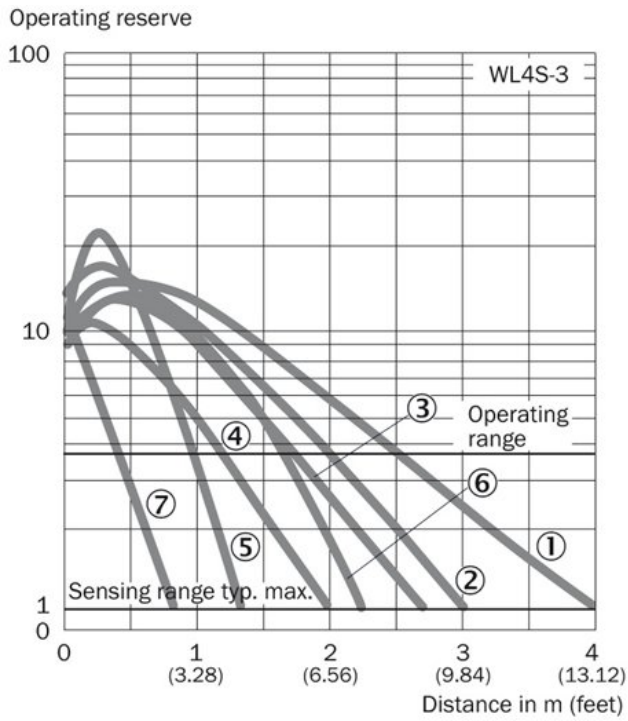
Dimensional drawing



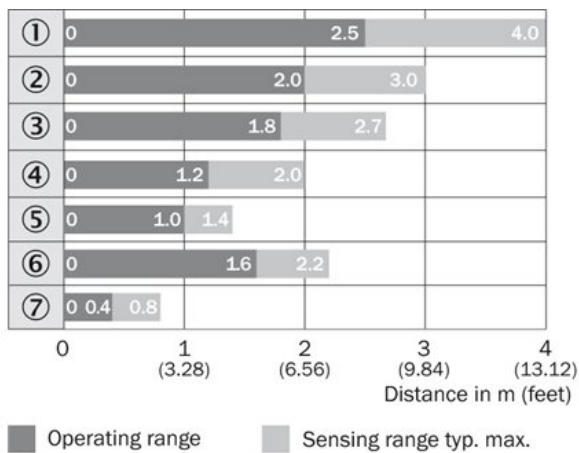
Connection diagram



Characteristic curve

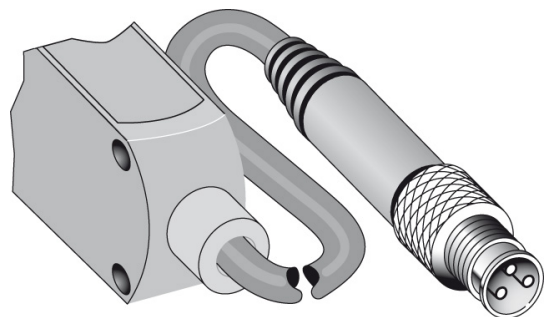


Sensing range diagram



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

Connection type



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