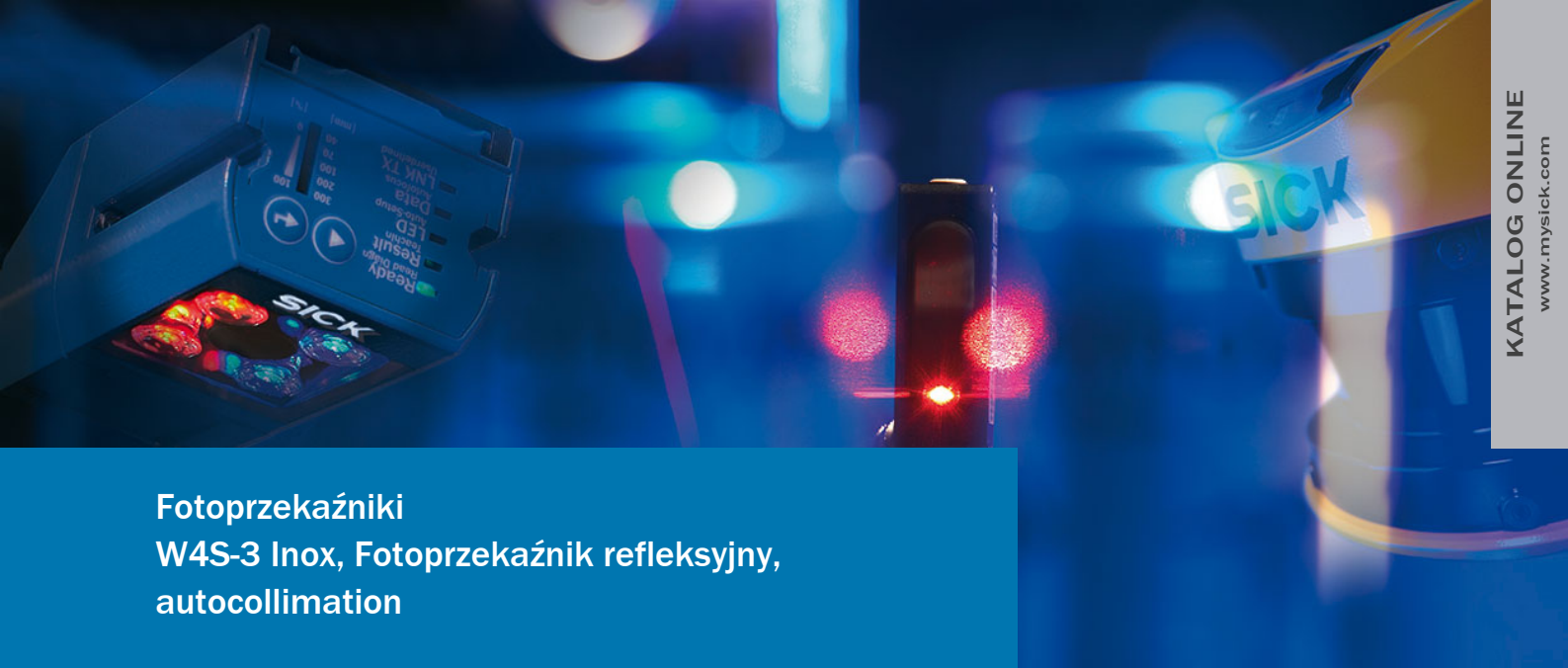




Fotoprzełączniki
W4S-3 Inox, Fotoprzełącznik refleksyjny,
autocollimation

WL4S-3E2130V



Nazwa modelu > **WL4S-3E2130V**

Numer części > **1045097**



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 44,5 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

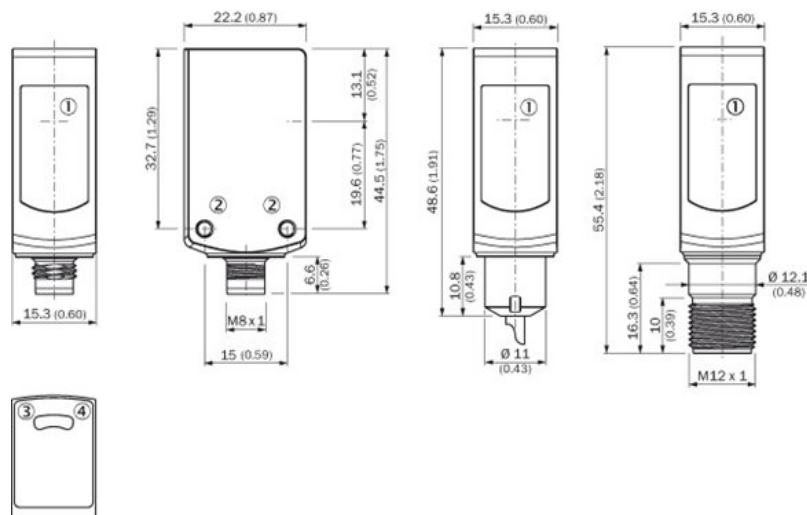
Mechanika/elektronika

Napięcie zasilania:	10 V DC ... 30 V DC ¹⁾
Tętnienia resztkowe:	< 5 Vss ²⁾
Current consumption:	≤ 30 mA ³⁾
Wyjście przełączające:	NPN
Tryb przełączania:	Dark-switching
Output current I _{max} :	≤ 100 mA

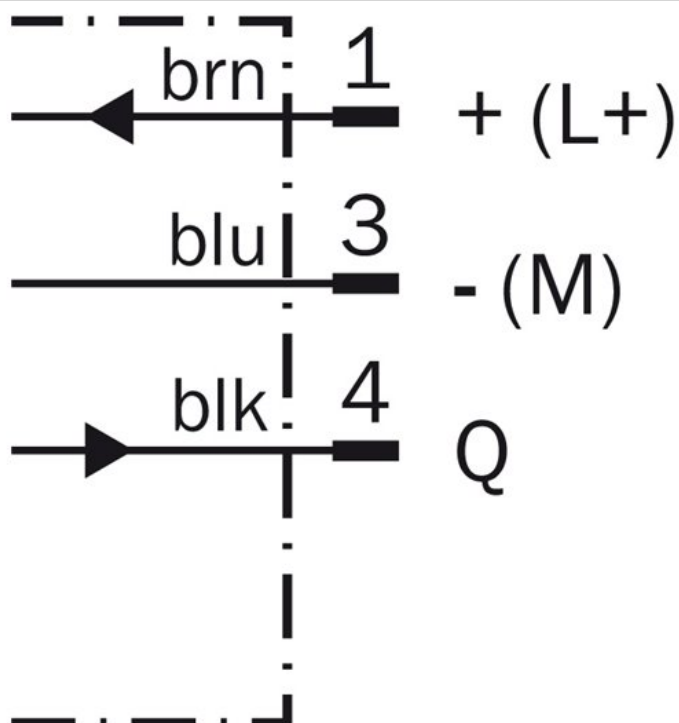
Czas reakcji:	< 0,5 ms ⁴⁾
Switching frequency:	1.000 Hz ⁵⁾
Sposób przyłączenia:	Connector M8, 3-pin
Układ zabezpieczenia:::	A B 6) 7) 8) C
Klasa ochronności:	III
Ciężar:	40 g
Filtr polaryzacyjny:	✓
Tworzywo, obudowa:	Stainless steel, Stainless steel 316L
Rodzaj zabezpieczenia:	IP 66 IP 67 IP 68 IP 69K ⁹⁾
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 A²⁾ May not exceed or fall short of V_S tolerances³⁾ Bez obciążenia⁴⁾
Signal transit time with resistive load⁵⁾ With light/dark ratio 1:1⁶⁾ $A = V_S$ connections reverse-polarity protected⁷⁾ B = inputs and output reverse-polarity protected⁸⁾
C = interference suppression⁹⁾ Only in case of correctly mounted IP 69K connecting cable¹⁰⁾ At UV ≤ 24 V and IA < 30 mA

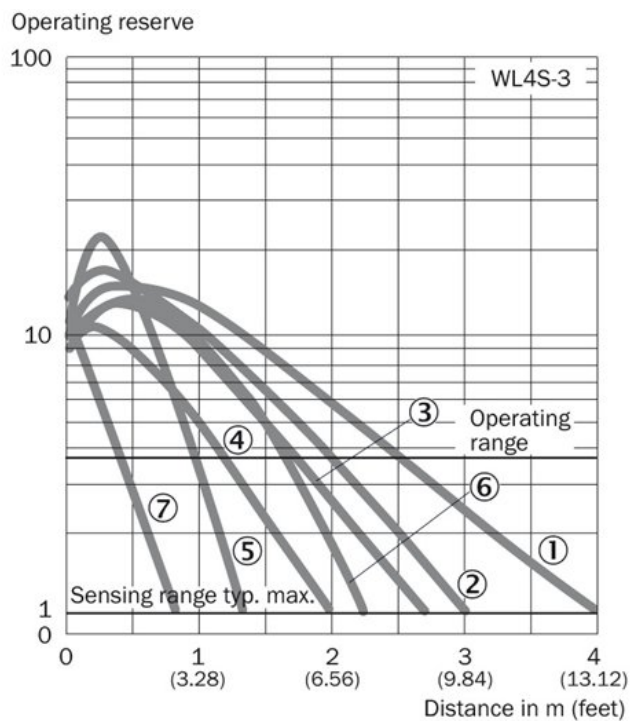
Dimensional drawing



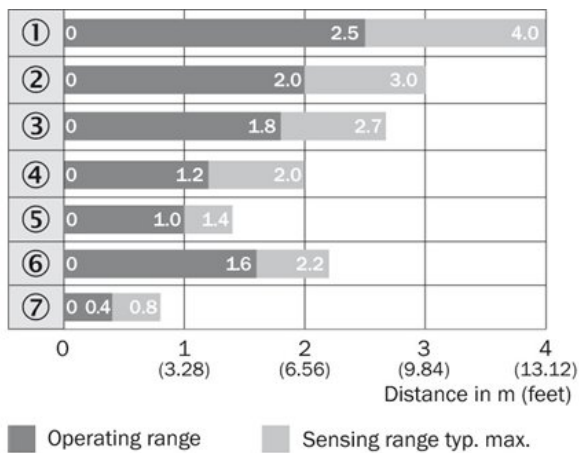
Connection diagram



Characteristic curve

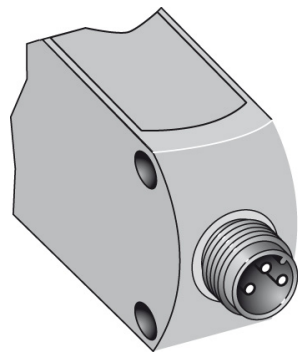


Sensing range diagram



- 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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