



Fotoprzełączniki W4-3, Fotoprzełącznik barierowy

WSE4-3P3131



Nazwa modelu > [WSE4-3P3131](#)

Numer części > [1029898](#)



Produkt może różnić się od ilustracji

At a glance

- Sensing range from 0 - 4 m
- PinPoint LED technology for highly visible, brilliant light spot
- Rugged plastic housing with M3 metal inserts

Your benefits

- The PinPoint LED's sharply defined, intense light spot makes alignment quick and easy
- Low-cost machine integration due to small dimensions that enable mounting in areas with space restrictions
- Rugged mounting system with M3 threaded metal inserts reduces maintenance costs due to a long service life



Cechy

Zasada działania czujnika/Sposób detekcji:	Fotoprzełącznik barierowy
Wymiary (Szer. x Wys. x Głęb.):	16 mm x 39,5 mm x 12 mm
Housing design (light emission):	Prostopadłościenna
Maks. strefa działania:	0 m ... 4 m
Sensing range:	0 m ... 3,5 m
Rodzaj światła:	Widzialne światło czerwone
Nadajnik światła:	Pin Point LED ¹⁾
Długość fali:	650 nm
Nastawa:	Potencjometr, 5 obrotów
Średnica plamki świetlnej (odległość):	Ø 210 mm (2 m)

¹⁾ Average service life of 100,000 h at T_A = +25 °C

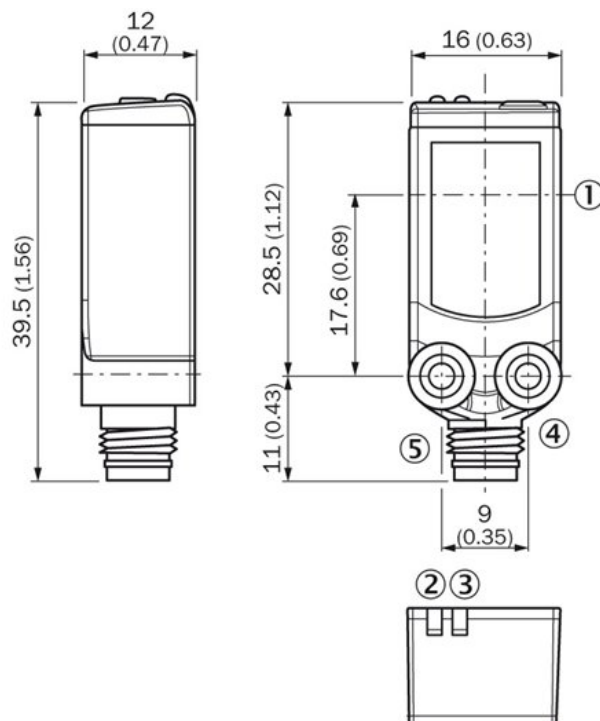
Mechanika/elektronika

Napięcie zasilania:	10 V DC ... 30 V DC ¹⁾
Pobór prądu:	≤ 20 mA ^{2) 3)}
Wyjście przełączające:	PNP
Tryb przełączania:	Przełączanie na jasnym
Output current I _{max} :	≤ 100 mA
Czas reakcji:	< 0,5 ms ⁴⁾
Switching frequency:	1.000 Hz ⁵⁾
Sposób przyłączenia:	Cable with connector M8, 3-pin, 100 mm ⁶⁾
Cable material:	PVC

Conductor cross-section:	0,14 mm ²
Cable diameter:	3,4 mm
Układ zabezpieczenia:::	A, C, D ⁷⁾ ⁸⁾ ⁹⁾
Klasa ochronności:	III
Ciężar:	60 g
Tworzywo, obudowa:	ABS, Tworzywo sztuczne
Tworzywo, układ optyczny:	PMMA
Rodzaj zabezpieczenia:	IP 67 IP 66
Wejście testowe, nadajnik wyłączony:	TE to 0 V
Ambient operating temperature:	-40 °C ... 60 °C
Ambient storage temperature:	-40 °C ... 75 °C
Part number of individual components:	Receiver, WE4-3F3131, 2041470, Sender, WS4-3D3130S02, 2041469
UL File No.:	NRKH.E181493 & NRKH7.E181493

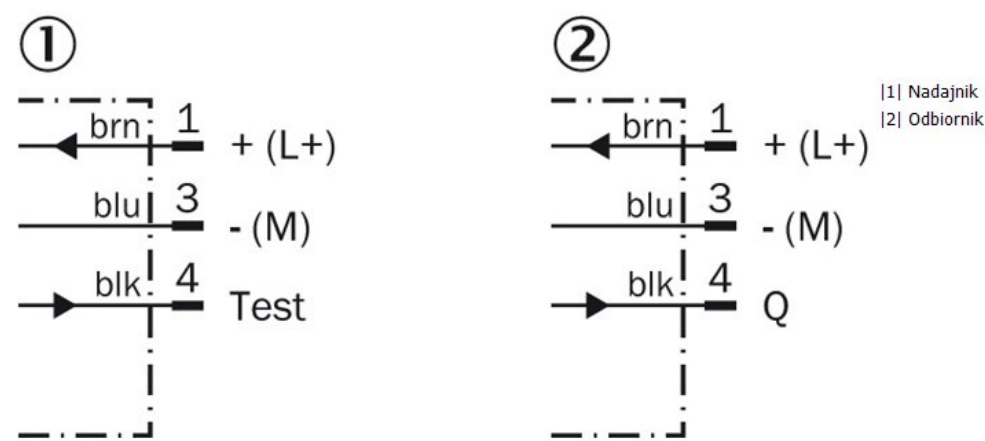
¹⁾ Limit values ²⁾ Nadajnik ³⁾ Odbiornik ⁴⁾ Signal transit time with resistive load ⁵⁾ With light/dark ratio 1:1 ⁶⁾ Do not bend below 0 °C ⁷⁾ A = V_S connections reverse-polarity protected ⁸⁾ C = interference suppression ⁹⁾ D = outputs overcurrent and short-circuit protected

Dimensional drawing



- [1] Center of optical axis
- [2] LED indicator orange: status of received light beam
- [3] Status indicator LED green: power on
- [4] Threaded mounting hole M3
- [5] Connection

Connection diagram



②

brn

1

+

(L+)

blu

3

-

(M)

blk

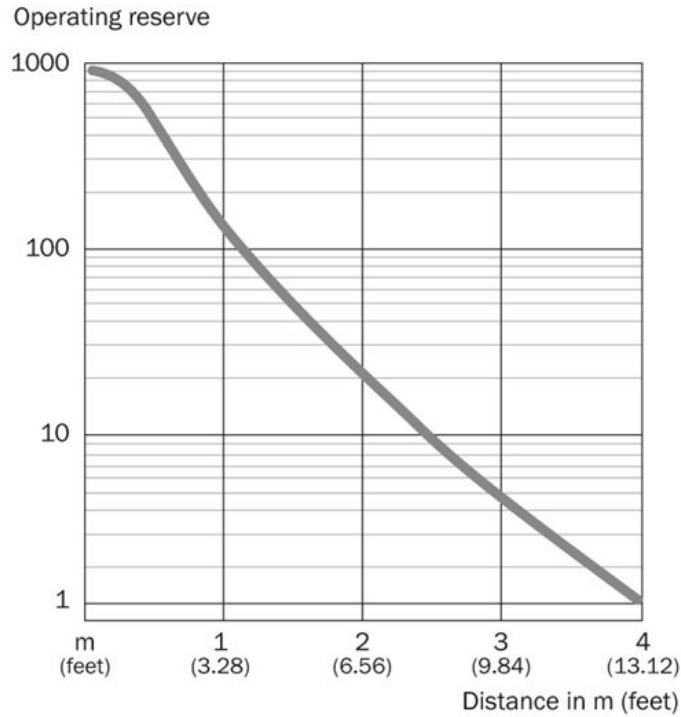
4

Q

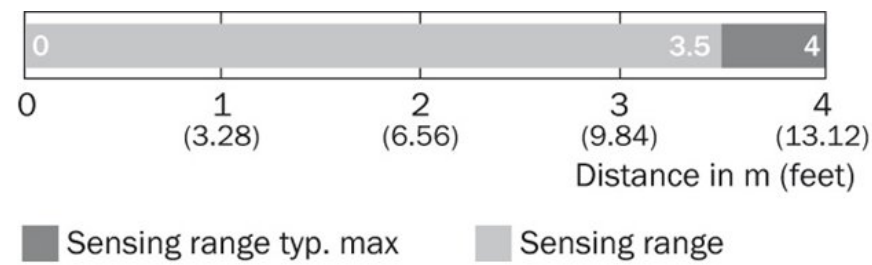
[1] Nadajnik

[2] Odbiornik

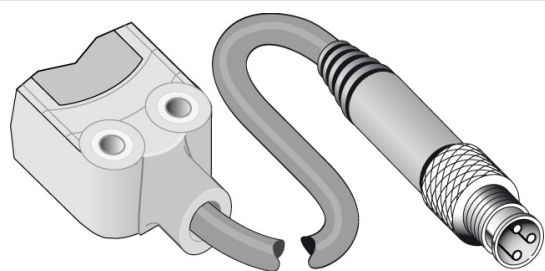
Characteristic curve



Sensing range diagram



Connection type



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