



Fotoprzełączniki W4-3, Fotoprzełącznik barierowy

WSE4-3F3130F20



Nazwa modelu > **WSE4-3F3130F20**

Numer części > **1042520**



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
Średnica plamki świetlnej (odległość):	Ø 210 mm (2 m)

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

Mechanika/elektronika

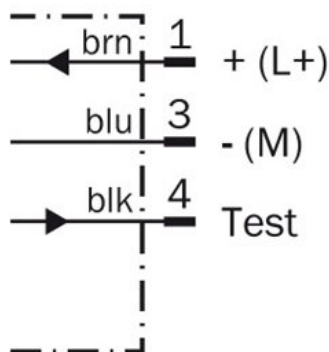
Napięcie zasilania:	10 V DC ... 30 V DC ¹⁾
Pobór prądu:	≤ 20 mA ^{2) 3)}
Wyjście przełączające:	PNP
Tryb przełączania:	Dark-switching
Output current I _{max} :	≤ 100 mA
Czas reakcji:	< 0,5 ms ⁴⁾
Switching frequency:	1.000 Hz ⁵⁾
Sposób przyłączenia:	Cable with connector M8, 3-pin, 100 mm ⁶⁾
Cable material:	PVC
Conductor cross-section:	0,14 mm ²

Cable diameter:	3,4 mm
Układ zabezpieczenia:::	A, C, D ^{7) 8) 9)}
Klasa ochrony:	III
Ciężar:	60 g
Special device:	-
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, WE4-3F3130F20, 2043944, Sender, WS4-3D3130F20, 2043943

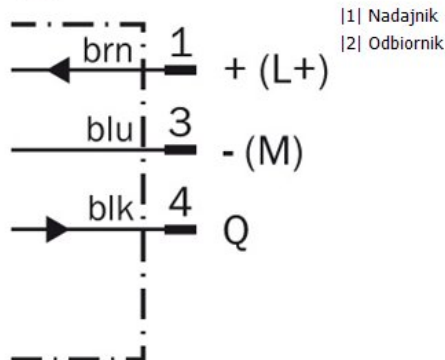
1) Limit values 2) Nadajnik 3) Odbiornik 4) Signal transit time with resistive load 5) With light/dark ratio 1:1 6) Do not bend below 0 °C 7) A = V_S connections reverse-polarity protected 8) C = interference suppression 9) D = outputs overcurrent and short-circuit protected

Connection diagram

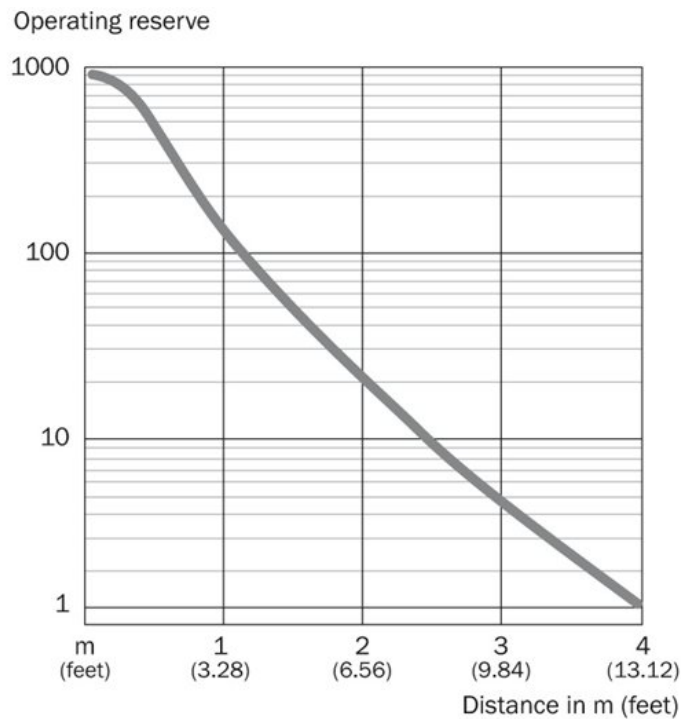
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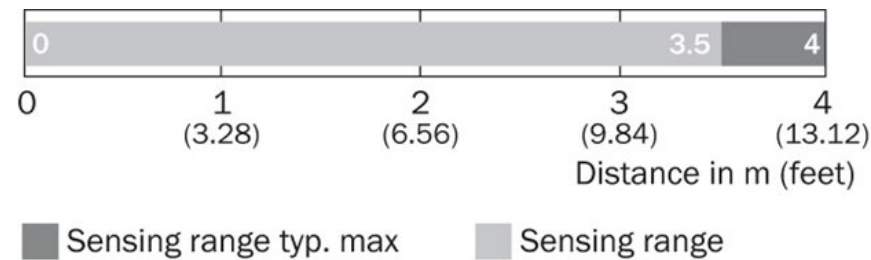
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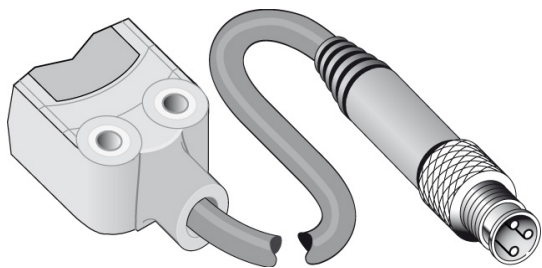
Characteristic curve



Sensing range diagram



Connection type



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