



Fotoprzełączniki W9-3, Fotoprzełącznik barierowy

WSE9-3N2430



Nazwa modelu > **WSE9-3N2430**

Numer części > **1049080**



Produkt może różnić się od ilustracji

At a glance

- High-performance through-beam sensor in ultra-rugged VISTAL™ housing
- PinPoint LED for highly visible and precise light spot
- Variable mounting with M3 hole pattern
- Wide range of connection options

Your benefits

- Rugged VISTAL™ housing provides reliable installation and operation
- Reliable object detection in all situations using best-in-class optics
- Quick and easy alignment with reliable object detection due to the highly visible PinPoint light spot
- M3 slotted hole mounting for multiple mounting possibilities
- One housing with a wide range of options makes machine integration easy
- Variety of accessories for simple mounting



Cechy

Zasada działania czujnika/Sposób detekcji:	Fotoprzełącznik barierowy
Wymiary (Szer. x Wys. x Głęb.):	12,2 mm x 52,2 mm x 23,6 mm
Housing design (light emission):	Prostopadłościenna
Mounting hole:	M3
Maks. strefa działania:	0 m ... 10 m
Sensing range:	0 m ... 7 m
Rodzaj światła:	Widzialne światło czerwone
Nadajnik światła:	Pin Point LED ¹⁾
Długość fali:	650 nm
Średnica plamki świetlnej (odległość):	Ø 25 mm (1 m)

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

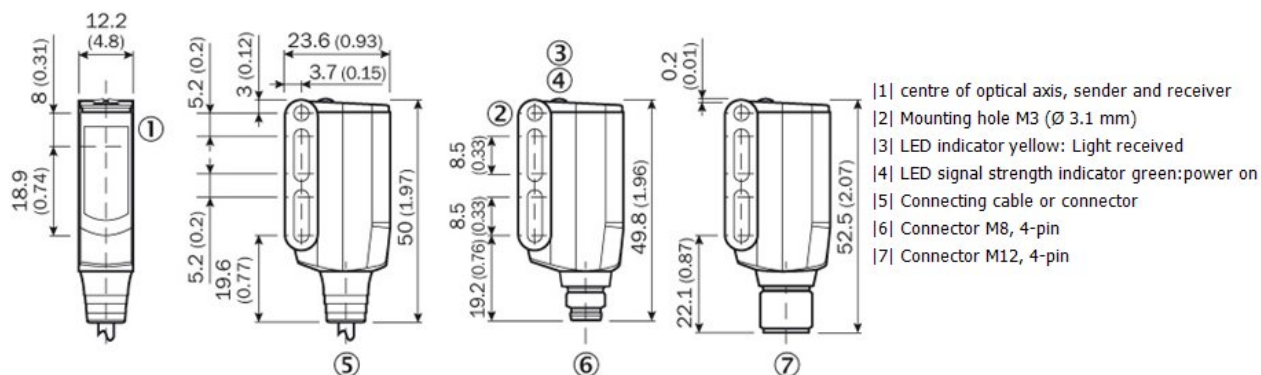
Mechanika/elektronika

Napięcie zasilania:	10 V DC ... 30 V DC ¹⁾
Tętnienia resztkowe:	< 5 Vss ²⁾
Current consumption:	≤ 30 mA ³⁾
Wyjście przełączające:	NPN ⁴⁾
Tryb przełączania:	Przełączanie jasno/ciemno, wybierane ⁵⁾
Output current I _{max} :	≤ 100 mA ⁶⁾
Czas reakcji:	< 0,5 ms ⁷⁾

Switching frequency:	1.000 Hz ⁸⁾
Sposób przyłączenia:	Connector M12, 4-pin
Układ zabezpieczenia:::	A, B, C ⁹⁾ ¹⁰⁾ ¹¹⁾
Klasa ochronności:	III
Ciężar:	13 g
Filtr polaryzacyjny:	-
Tworzywo, obudowa:	Tworzywo sztuczne, VISTAL
Tworzywo, układ optyczny:	PMMA
Rodzaj zabezpieczenia:	IP 66 IP 67 IP 69K
Wejście testowe, nadajnik wyłączony:	Sender off
Ambient temperature operation:	-40 °C ... +60 °C
Ambient storage temperature:	-40 °C ... +75 °C
Part number of individual components:	Receiver, WE9-3N2430, 2055826, Sender, WS9-3D2430, 2055824
UL File No.:	NRKH.E181493

¹⁾ Limit values, operation in short-circuit protected network max. 8 A ²⁾ May not exceed or fall short of V_S tolerances ³⁾ Bez obciążenia ^{4) 5)} Q = light-switching ⁶⁾ As
of Tu 50 °C, a max. load current $I_{max.} = 50$ mA is permitted ⁷⁾ Signal transit time with resistive load ⁸⁾ V_S With light/dark ratio 1:1 ⁹⁾ A = V_S connections reverse-polarity
protected ¹⁰⁾ B = inputs and output reverse-polarity protected ¹¹⁾ C = interference suppression

Dimensional drawing



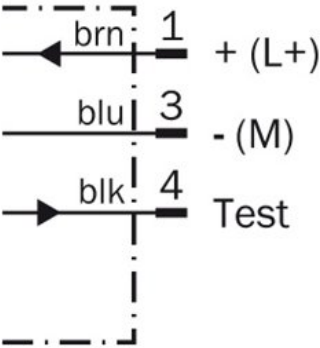
Adjustments possible



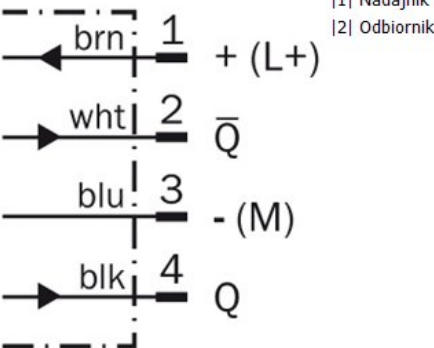
- |3| LED indicator yellow: Light received
- |4| LED signal strength indicator green:power on

Connection diagram

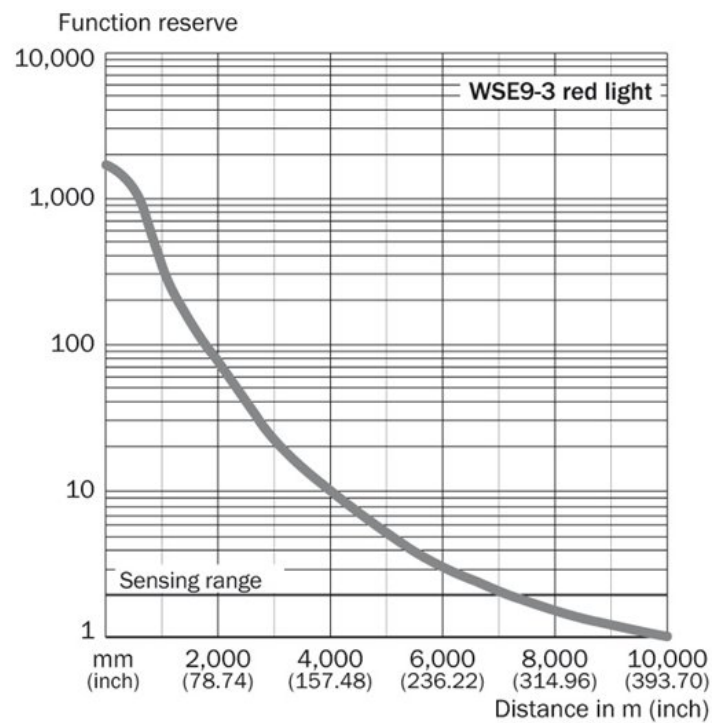
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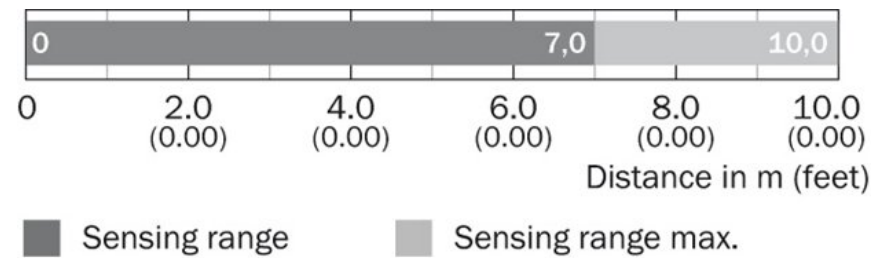
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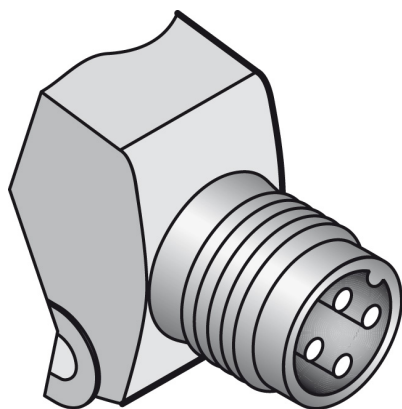
Characteristic curve



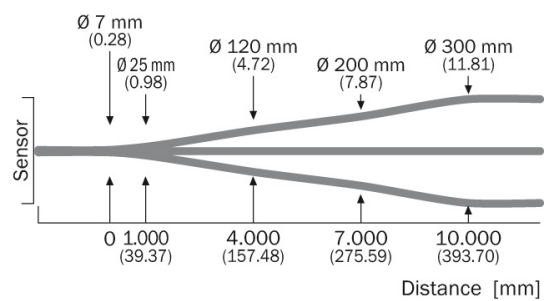
Sensing range diagram



Connection type



Light spot size



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