



Fotoprzełączniki W9-3, Fotoprzełącznik refleksyjny, autocollimation

WL9-3N2432



Nazwa modelu > **WL9-3N2432**

Numer części > **1049074**



At a glance

- High-performance retro-reflective sensor in ultra-rugged VISTAL™ housing
- PinPoint LED for highly visible and precise light spot
- Autocollimation optics
- 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 technology
- 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



Produkt może różnić się od ilustracji



Cechy

Zasada działania czujnika/Sposób detekcji:	Fotoprzełącznik refleksyjny, autocollimation
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 ... 5 m ¹⁾
Sensing range:	0 m ... 3 m ²⁾
Rodzaj światła:	Widzialne światło czerwone
Nadajnik światła:	Pin Point LED ³⁾
Długość fali:	650 nm
Teach-in:	Single teach-in button
Nastawa:	Teach-in
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

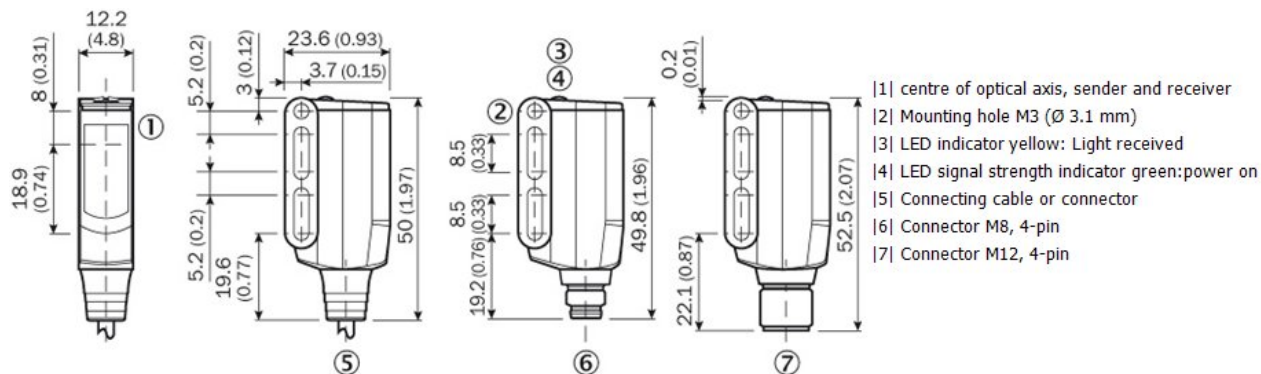
Mechanika/elektronika

Napięcie zasilania:	10 V DC ... 30 V DC ¹⁾
Tętnienia resztkowe:	< 5 Vss ²⁾
Pobór prądu:	≤ 30 mA ³⁾
Wyjście przełączające:	NPN ⁴⁾

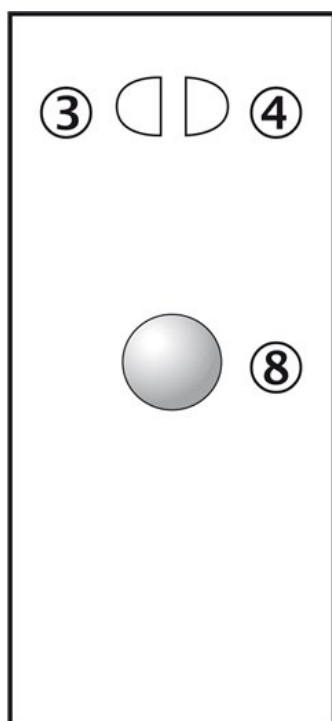
Tryb przełączania:	Komplementarne
Tryb przełączania:	Przełączanie jasno/ciemno, wybierane ⁵⁾
Output current I _{max} :	≤ 100 mA ⁶⁾
Czas reakcji:	< 0,5 ms ⁷⁾
Switching frequency:	1.000 Hz ⁸⁾
Sposób przyłączenia:	Connector M12, 4-pin
Układ zabezpieczenia:::	A, B, C ⁹⁾ ¹⁰⁾ ¹¹⁾
Klasa ochronności:	III
Ciężar:	13 g
Filtr polaryzacyjny:	✓
Tworzywo, obudowa:	Tworzywo sztuczne, VISTAL
Tworzywo, układ optyczny:	PMMA
Rodzaj zabezpieczenia:	IP 66 IP 67 IP 69K
Ambient operating temperature:	-40 °C ... +60 °C
Ambient storage temperature:	-40 °C ... +75 °C
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⁾ 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

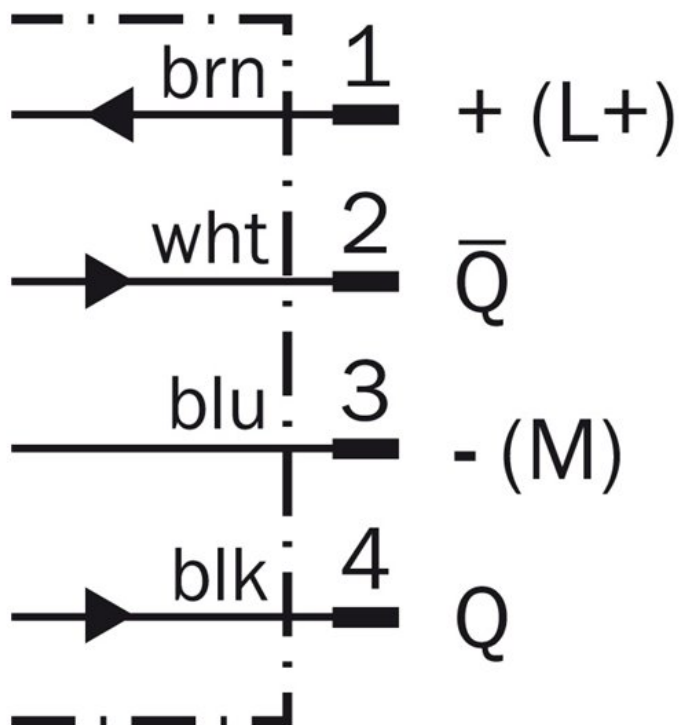


Adjustments possible

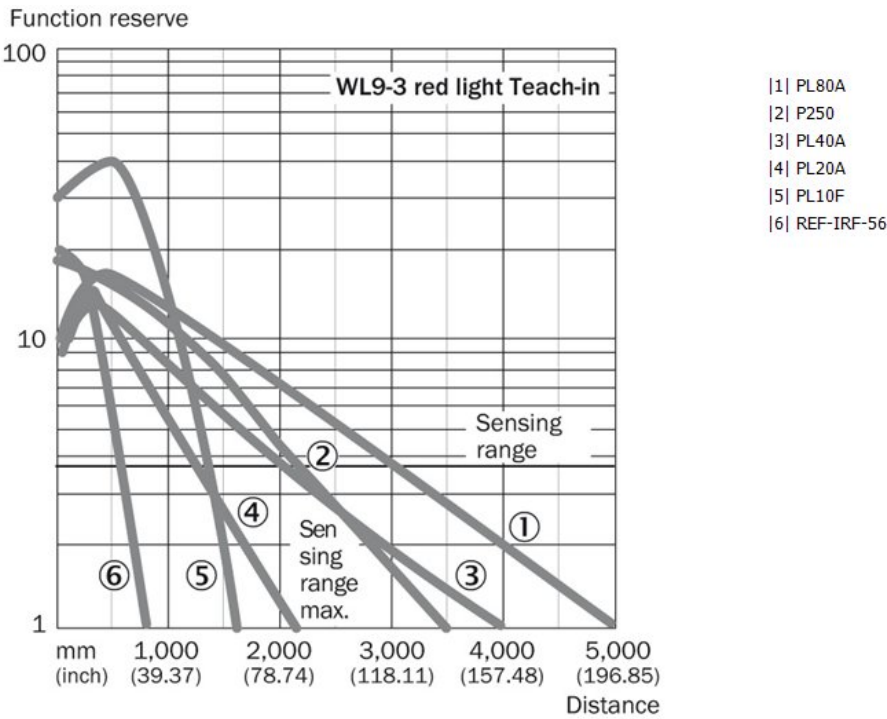


- |3| LED indicator yellow: Light received
- |4| LED signal strength indicator green: power on
- |8| Teach-in button

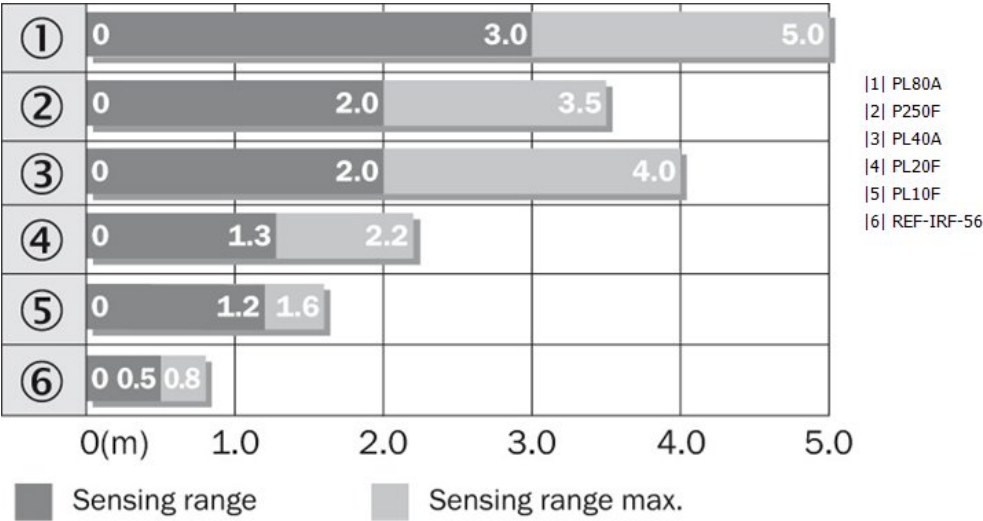
Connection diagram



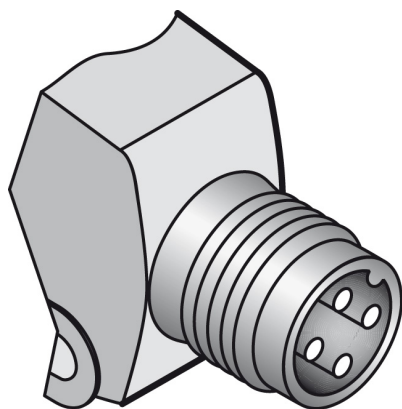
Characteristic curve



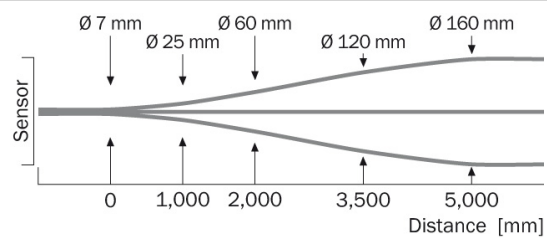
Sensing range diagram



Connection type



Light spot size



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