



Fotoprzełączniki W24-2, Fotoprzełącznik barierowy

WS/WE24-2V530



Nazwa modelu > [WS/WE24-2V530](#)

Numer części > [1017877](#)



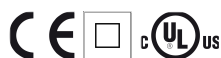
Produkt może różnić się od ilustracji

At a glance

- Long sensing range with high operating reserve
- Metal housing that has been IP 69k tested
- Switch selectable PNP or NPN output
- Switch selectable Light or Dark operating mode
- Variants with DC voltage and universal AC/DC voltage with UL approval
- Optional test input, adjustable ON and OFF time delays, alarm output and front screen heating
- M12 or terminal chamber connection: 90° rotatable

Your benefits

- Metal housing that has been IP 69K tested provides reliability and a long service life
- High operating reserve at a long sensing range reduces downtime
- Alarm output signals marginal operation to provide an early warning
- Test input provides diagnostic feedback for example misalignment
- Selectable output type, operating mode, and adjustable time delays makes integration easier and reduce the number of devices needed
- Ensuring reliable operation in environments with temperatures fluctuation due to standard or high-power front lens heating (prevention and reduction of condensation water on the front lens)
- Variants with DC voltage and universal AC/DC voltage provide installation flexibility
- Red light provides easy alignment, which saves time



Cechy

Zasada działania czujnika/Sposób detekcji:	Fotoprzełącznik barierowy
Wymiary (Szer. x Wys. x Głęb.):	27 mm x 87,5 mm x 65 mm
Housing design (light emission):	Prostopadłościenna
Maks. strefa działania:	0 m ... 60 m
Sensing range:	0 mm ... 50 mm
Rodzaj światła:	Widzialne światło czerwone
Nadajnik światła:	LED ¹⁾
Nastawienie czułości:	Sensitivity adjustment
Kąt promieniowania:	Ca. 1 °
Średnica plamki świetlnej (odległość):	Ø 700 mm (50 m)

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

Mechanika/elektronika

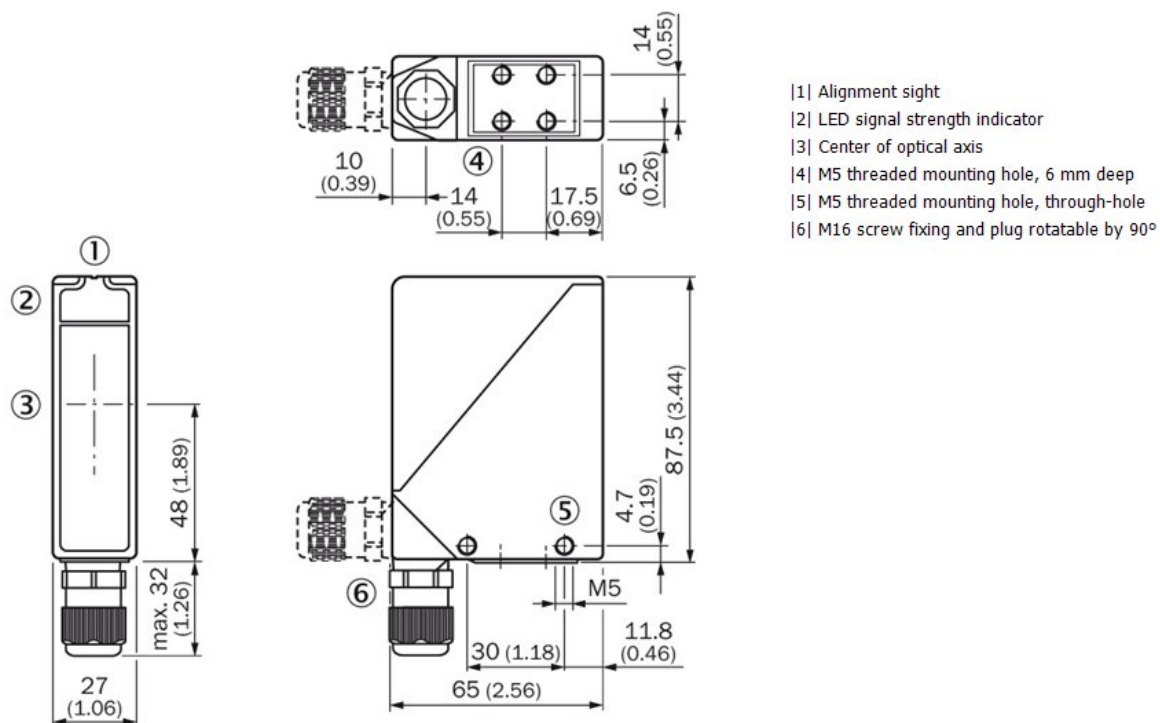
Napięcie zasilania:	10 V DC ... 30 V DC ¹⁾
Tętnienia resztkowe:	< 5 V _{SS} ²⁾
Pobór prądu, nadajnik:	50 mA ³⁾
Pobór prądu, odbiornik:	40 mA ⁴⁾
Switching output:	NPN, PNP
Tryb przełączania:	Przełączanie jasno/ciemno, wybierane
Switching mode selector:	Selectable via light/dark selector, Selectable via NPN/PNP selector
Output current I _{max} :	100 mA
Czas reakcji:	≤ 500 μs ⁵⁾
Switching frequency:	1.000 Hz ⁶⁾
Kąt odbioru:	Ca. 2,5 °
Typ połączenia:	Wtyk M12, 5-pinowe ⁷⁾
Układ zabezpieczenia:::	A, C, D ^{8) 9) 10)}
Klasa ochrony:	II ¹¹⁾
Ciężar:	660 g
Ogrzewanie przedniej szyby:	-
Special device:	-
Tworzywo, obudowa:	Metal, Cynkowa, odlewana
Tworzywo, układ optyczny:	PMMA
Rodzaj zabezpieczenia:	IP 69K
Wejście testowe, nadajnik wyłączony:	TE to 0 V
Ambient operating temperature:	-40 °C ... 60 °C
Ambient storage temperature:	-40 °C ... 75 °C
UL File-No.:	UL No. NRKH.E181493 & cUL No. NRKH7.E181493

¹⁾ Limit values ²⁾ May not exceed or fall short of V_S ^{3) 4)} Without load ⁵⁾ Signal transit time with resistive load ⁶⁾ With light/dark ratio 1:1 ⁷⁾ Connection rotatable by 90°

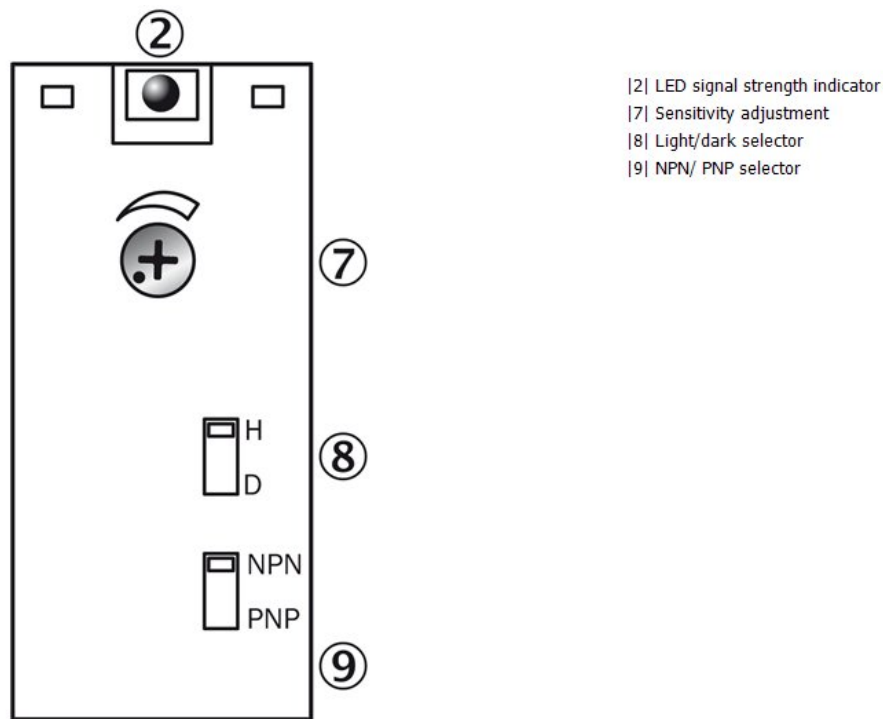
⁸⁾ A = V_S connections reverse-polarity protected ⁹⁾ C = interference suppression ¹⁰⁾ D = outputs overcurrent and short-circuit protected ¹¹⁾ Reference voltage 50 V

DC

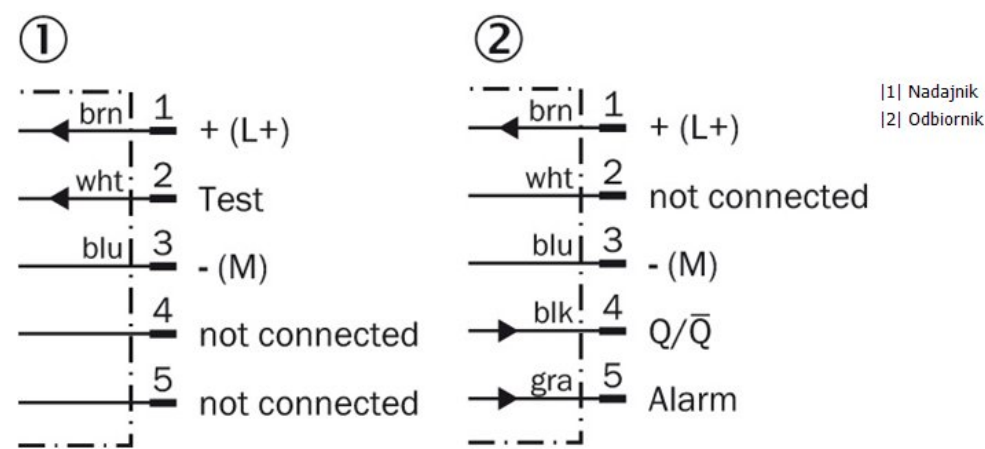
Dimensional drawing



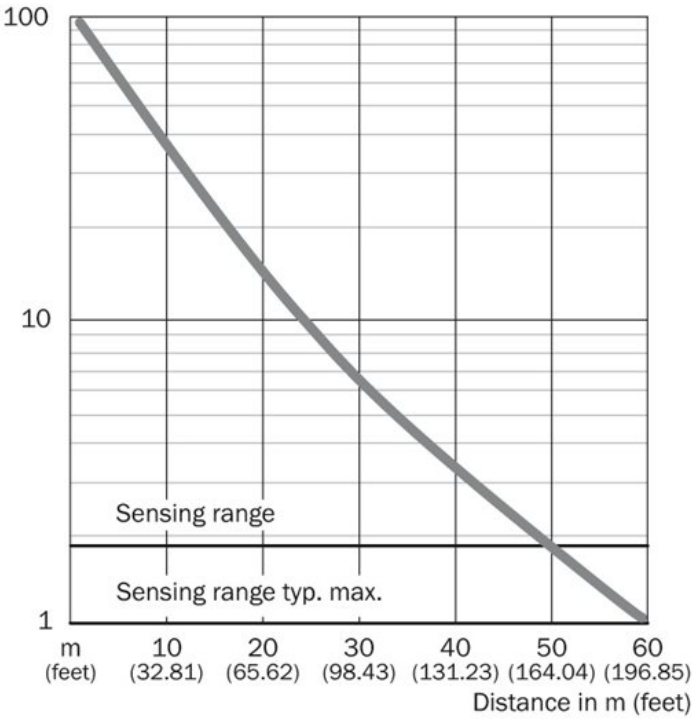
Adjustments possible



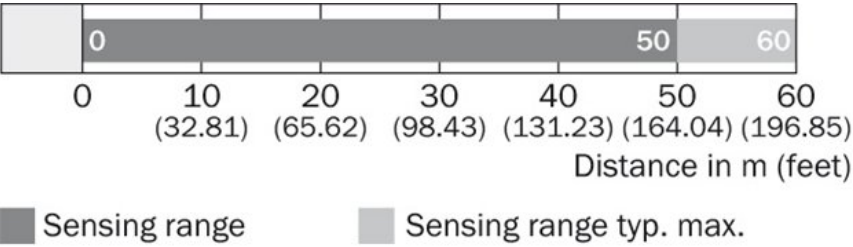
Connection diagram



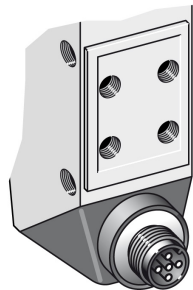
Characteristic curve



Sensing range diagram



Connection type



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