



Fotoprzełączniki W34, Fotoprzełącznik barierowy

WS/WE34-V530



SICK
Sensor Intelligence.

Nazwa modelu > [WS/WE34-V530](#)

Numer części > [1019256](#)



Produkt może różnić się od ilustracji

At a glance

- High operating reserve at a long range
- Switch selectable PNP or NPN output and light/dark switching
- Versions with DC voltage (10...30V) or universal AC/DC voltage (12 ... 240 V DC / 24 ... 240 V AC)
- Optional test input, adjustable ON and OFF time delays, alarm output
- M12 or terminal chamber connection: 90° rotatable
- UL approval

Your benefits

- High operating reserve at a long range minimizes downtime
- Alarm output provides early warning that maintenance may be needed
- Test input allows users to validate that the sensor is operating as expected
- The sensor cover protects configuration components against environmental hazards
- Adjustable time delay, alarm output, test input, and universal AC/DC voltage provide additional flexibility and reduce the number of part numbers needed



Cechy

Zasada działania czujnika/Sposób detekcji:	Fotoprzełącznik barierowy
Wymiary (Szer. x Wys. x Głęb.):	27 mm x 92 mm x 70 mm
Housing design (light emission):	Prostopadłościenna
Maks. strefa działania:	0 m ... 60 m
Sensing range:	0 m ... 60 m
Rodzaj światła:	Widzialne światło czerwone
Nadajnik światła:	LED ¹⁾
Długość fali:	660 nm
Nastawienie czułości:	Potentiometer
Kąt promieniowania:	Ca. 1 °
Średnica plamki świetlnej (odległość):	Ø 700 mm (50 m)

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

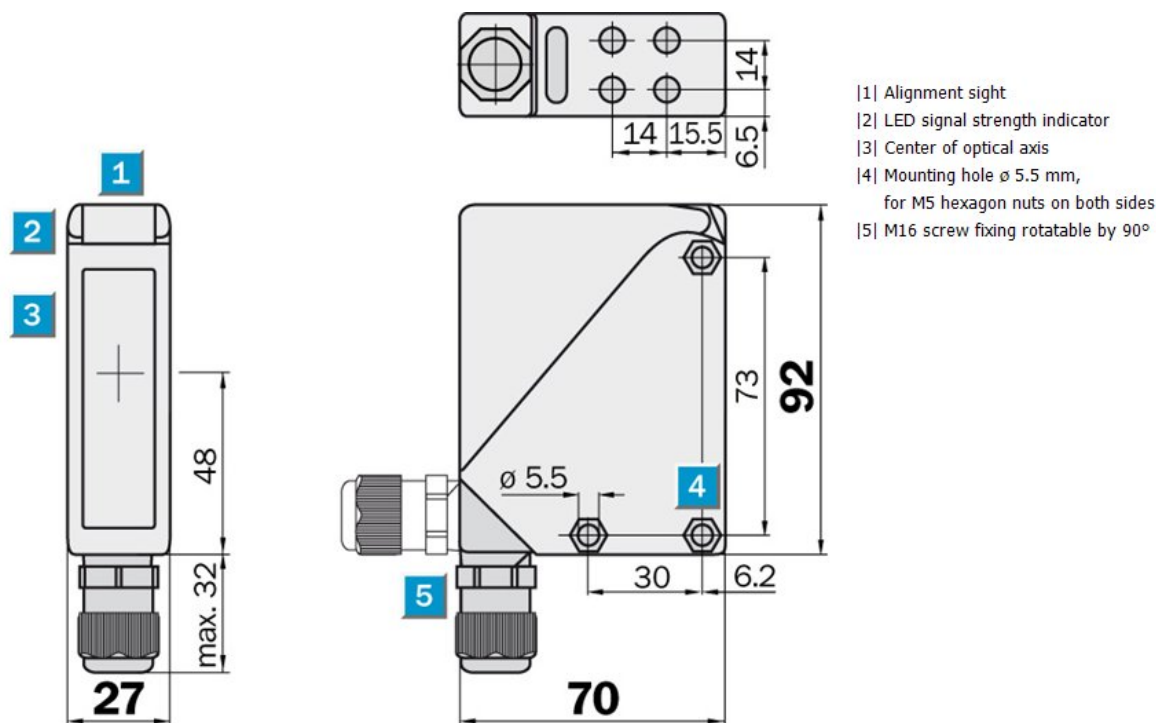
Mechanika/elektronika

Napięcie zasilania:	10 V DC ... 30 V DC ¹⁾
Tętnienia resztkowe:	< 5 Vss ²⁾
Pobór prądu, nadajnik:	50 mA

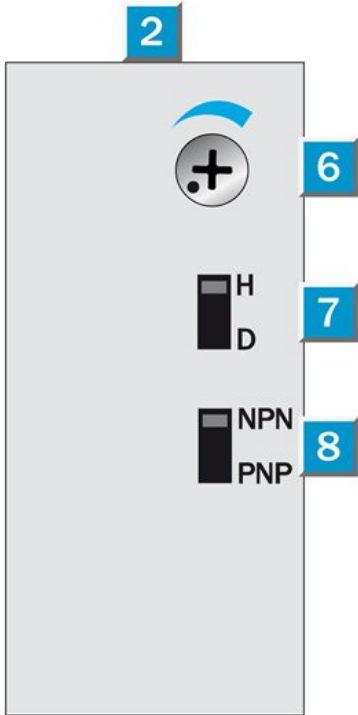
Pobór prądu, odbiornik:	40 mA
Wyjście przełączające:	NPN, PNP
Tryb przełączania:	Dark-switching, Przełączanie na jasnym
Switching mode selector:	Selectable via light/dark selector, Selectable via PNP/NPN selector
Output current I _{max} :	100 mA
Czas reakcji:	≤ 500 μs ³⁾
Switching frequency:	1.000 Hz ⁴⁾
Kąt odbioru:	Ca. 2,5 °
Sposób przyłączenia:	Wtyk M12, 5-pinowe ⁵⁾
Układ zabezpieczenia:::	A, C, D ⁶⁾ ⁷⁾ ⁸⁾
Klasa ochronności:	II ⁹⁾
Ciężar:	280 g
Special device:	-
Tworzywo, obudowa:	ABS, Tworzywo sztuczne
Rodzaj zabezpieczenia:	IP 67
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
Part number of individual components:	Receiver, WE34-V530, 2022813, Sender, WS34-D530, 2022821

1) Limit values 2) May not exceed or fall short of V_S 3) Signal transit time with resistive load 4) With light/dark ratio 1:1 5) Connection rotatable by 90° 6) A = V_S
connections reverse-polarity protected 7) C = interference suppression 8) D = outputs overcurrent and short-circuit protected 9) Reference voltage 50 V DC

Dimensional drawing



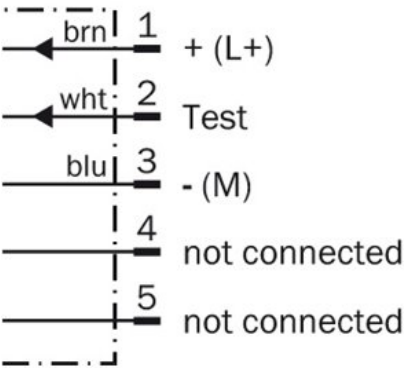
Adjustments possible



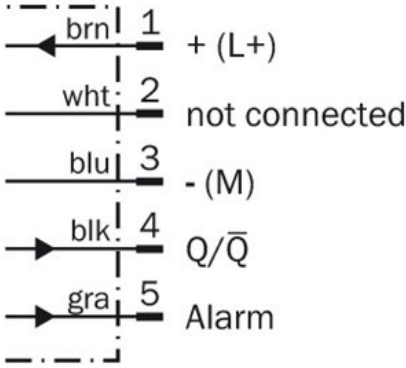
- |2| LED signal strength indicator
- |6| Sensitivity adjustment
- |7| Light/dark selector

Connection diagram

①

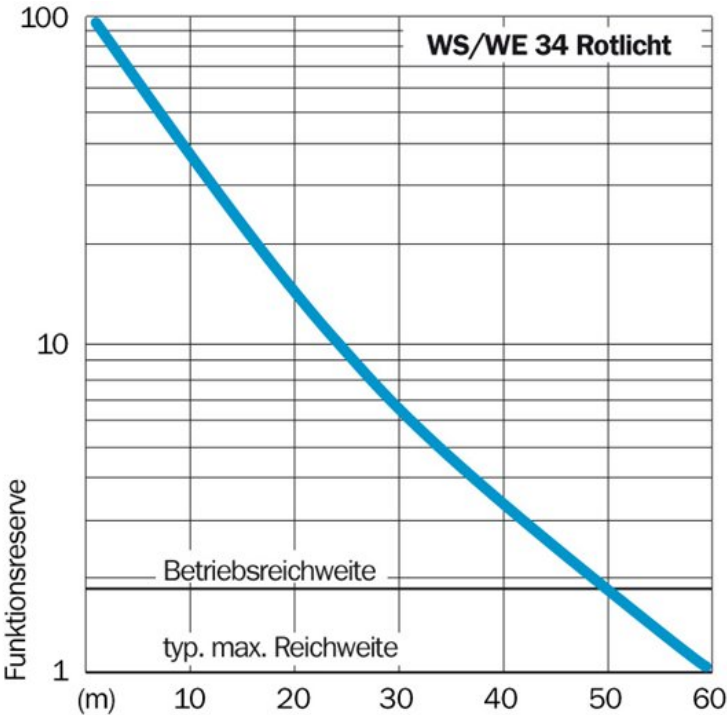


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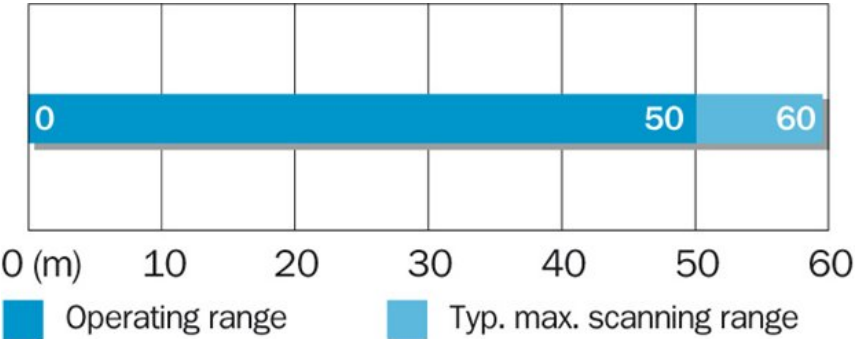


- |1| Nadajnik
- |2| Odbiornik

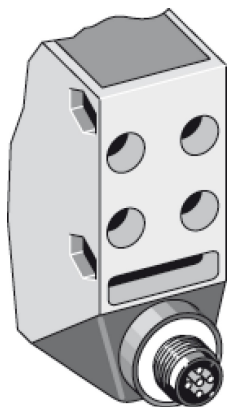
Characteristic curve



Sensing range diagram



Connection type



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