



Fotoprzełączniki W34, Fotoprzełącznik odbiciowy, Tłumienie tła

WT34-V210



Nazwa modelu > **WT34-V210**

Numer części > **1019280**



Produkt może różnić się od ilustracji

At a glance

- Precise background suppression at long ranges
- Immune to ambient light and crosstalk from another sensor
- 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

- Versions with IR LED provide precise object detection at sensing ranges of 2500 mm
- Immune to ambient light and crosstalk from another sensor, providing reliable operation and less downtime
- 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

Wymiary (Szer. x Wys. x Głęb.):	27 mm x 92 mm x 70 mm
Maks. strefa działania:	100 mm ... 2.500 mm ¹⁾
Sensing range:	100 mm ... 2.500 mm
Housing desig (light emission):	Prostopadłościenna
Nadajnik światła:	LED ²⁾
Rodzaj światła:	Światło podczerwone
Adjustment of operating distance:	Potentiometer
Zasada działania czujnika/Sposób detekcji:	Fotoprzełącznik odbiciowy, Tłumienie tła
Light spot (distance):	80 mm (2.500 mm)

¹⁾ Obiekt odbijający 90% światła (standardowy biały zgodnie z norma DIN 5033) ²⁾ Average service life 100,000 h at Ta = +25 °C

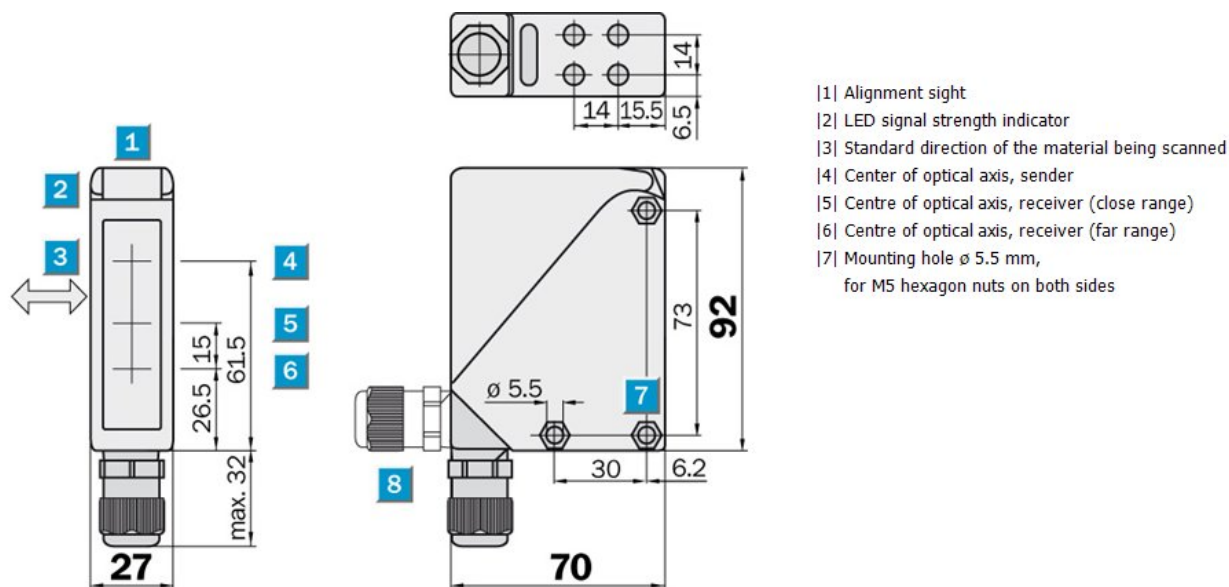
Mechanika/elektronika

Enclosure rating:	IP 67
Napięcie zasilania:	10 V DC ... 30 V DC
Tętnienia resztkowe:	< 5 Vss ²⁾

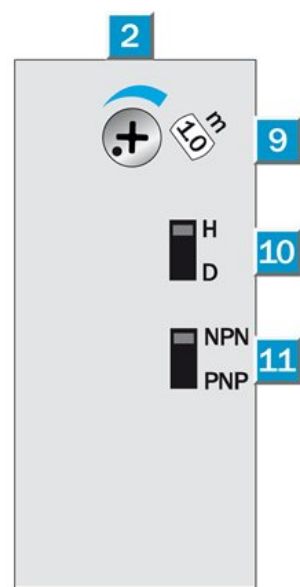
Current consumption:	≤ 50 mA
Wyjście przełączające:	NPN, light switching, selectable via PNP/NPN selector PNP, Dark-switching, selectable via light/dark selector
Output current I _{max} ..	100 mA
Czas reakcji:	≤ 500 μs ³⁾
Switching frequency:	1.000 Hz ⁴⁾
Sposób przyłączania:	Terminal connection with M16 gland ⁵⁾
Klasa ochronności:	II ⁶⁾
Układ zabezpieczenia:::	A C 7) 8) 9) D
Ciężar:	140 g
Tworzywo, obudowa:	ABS
Ambient temperature, operation:	-40 °C ... 60 °C
Ambient temperature, storage:	-40 °C ... 75 °C
Wejście testowe, nadajnik wyłączony:	TE to 0 V

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⁾ Reference voltage 50 V DC ⁷⁾ A = V_S connections reverse-polarity protected ⁸⁾ C = interference suppression ⁹⁾ D = outputs overcurrent and short-circuit protected

Dimensional drawing

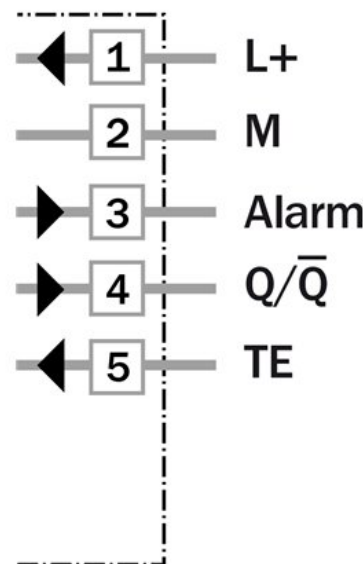


Einstell-Möglichkeiten

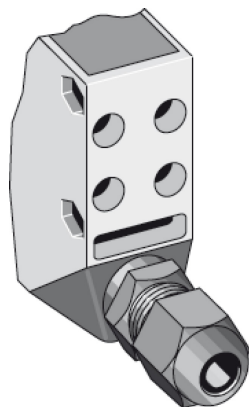


- |2| Receive indicator
- |9| Sensing distance adjustment
- |10| Light/ dark selector
- |11| NPN/ PNP selector

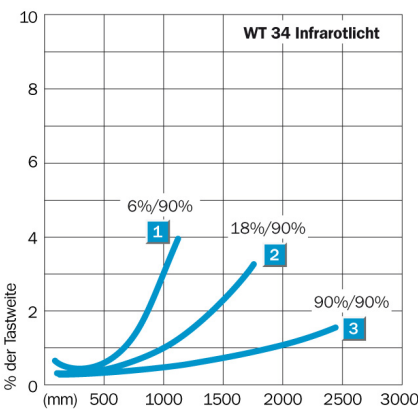
Connection diagram



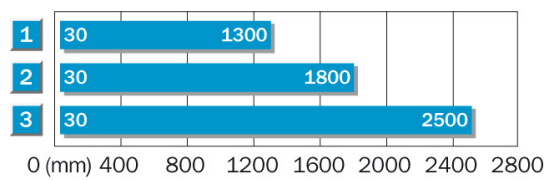
Connection type



Characteristic curve



Sensing range diagram



1	Scanning distance on black ⁹⁾
2	Scanning distance on grey ⁹⁾
3	Scanning distance on white ⁹⁾

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