



Fotoprzełączniki W27-3, Fotoprzełącznik refleksyjny, Standard optics

WL27-302630S12



Nazwa modelu > [WL27-302630S12](#)

Numer części > [1045988](#)



Produkt może różnić się od ilustracji

At a glance

- Long sensing range with a high operating reserve
- Quick alignment with red emitting LED
- Resistant to ambient noise such as crosstalk from another sensor
- Optional front screen heating and time delays
- Operating temperature: -40 °C - +60 °C
- UL approval

Your benefits

- Resistant to contamination due to high operating reserve
- Optional features, such as time delays, enhance functionality when needed
- Resistant to vibrations, reducing downtime
- Reliable operation in harsh environments with temperatures as low as -40 °C
- Durable housing with reinforced mounting holes withstands harsh conditions
- Quick alignment with red emitting LED



Cechy

Zasada działania czujnika/Sposób detekcji:	Fotoprzełącznik refleksyjny, Standard optics
Wymiary (Szer. x Wys. x Głęb.):	24,6 mm x 80,6 mm x 54 mm
Housing design (light emission):	Prostopadłościenna
Maks. strefa działania:	0,1 m ... 1,8 m ¹⁾
Sensing range:	0,1 mm ... 700 mm ²⁾
Rodzaj światła:	Widzialne światło czerwone
Nadajnik światła:	LED ³⁾
Długość fali:	660 nm
Kąt promieniowania:	Ca. 1,5 °
Średnica plamki świetlnej (odległość):	Ø 10 mm (400 m)

^{1) 2)} PL30A ³⁾ Average service life of 100,000 h at T_A = +25 °C

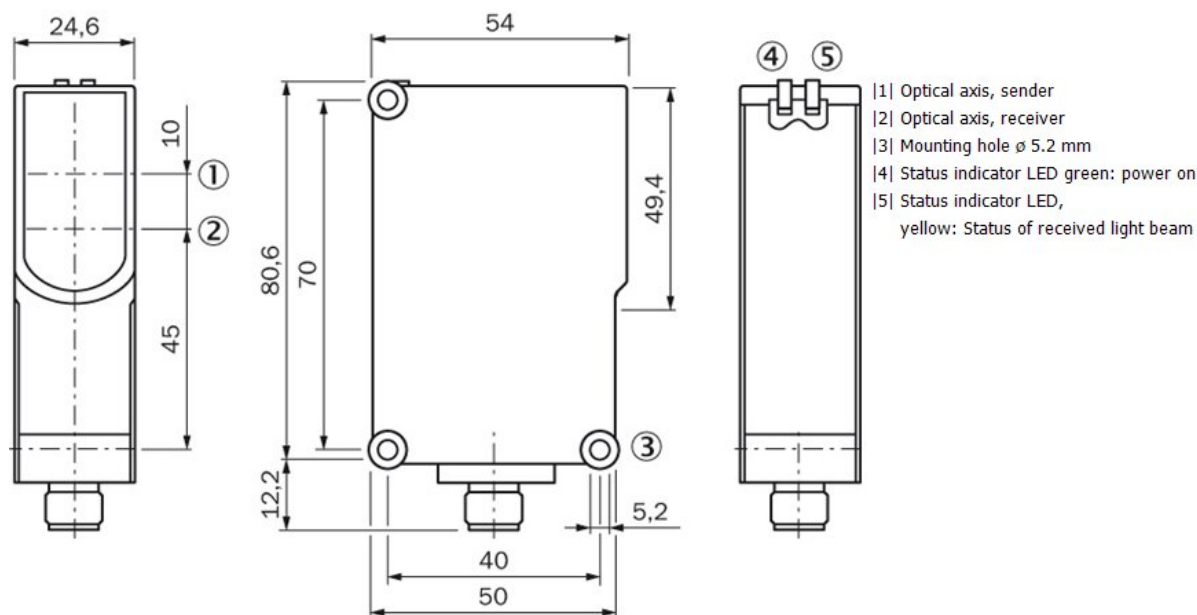
Mechanika/elektronika

Napięcie zasilania:	10 V DC ... 30 V DC ¹⁾
Tętnienia resztkowe:	≤ 5 Vss ²⁾
Pobór prądu:	≤ 45 mA ³⁾
Wyjście przełączające:	Semiconductor relay
Tryb przełączania:	Przełączanie na jasnym
Maks. prąd łączeniowy:	0,1 A (20 V AC), 0,1 A (30 V DC)

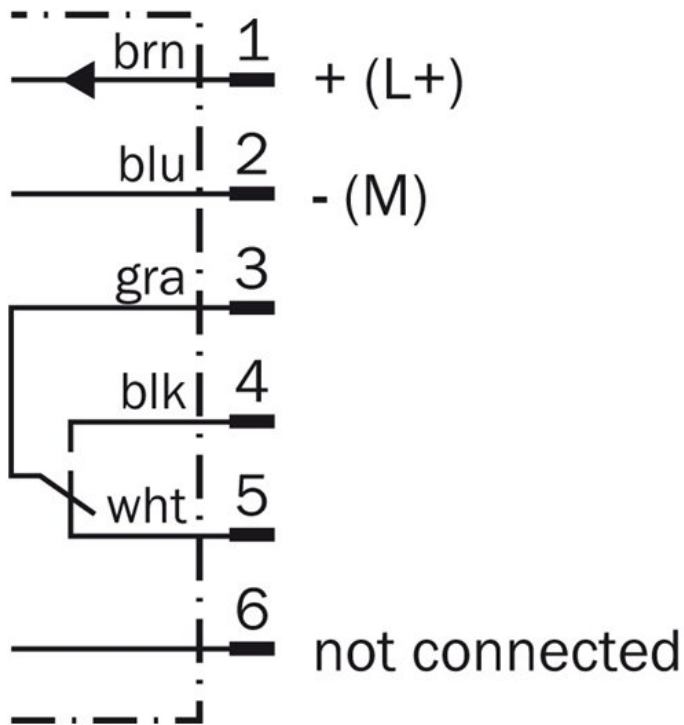
Czas reakcji:	$\leq 3 \text{ ms}$ ⁴⁾
Switching frequency:	200 Hz ⁵⁾
Sposób przyłączenia:	Connector Q6, 6-pin, AC/UC-coding
Układ zabezpieczenia::	A, C ^{6) 7)}
Klasa ochronności:	II ⁸⁾
Ciężar:	120 g
Filtr polaryzacyjny:	✓
Special device:	✓
Tworzywo, obudowa:	ABS, Tworzywo sztuczne
Tworzywo, układ optyczny:	PMMA
Rodzaj zabezpieczenia:	IP 65
Funkcje specjalne:	With semiconductor relay 24 VDC
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, operation in short-circuit protected network max. 8 A
²⁾ May not exceed or fall short of V_S tolerances
³⁾ Bez obciążenia
⁴⁾ Signal transit time with resistive load
⁵⁾ With light/dark ratio 1:1
⁶⁾ A = V_S connections reverse-polarity protected
⁷⁾ C = interference suppression
⁸⁾ Reference voltage 50 V DC

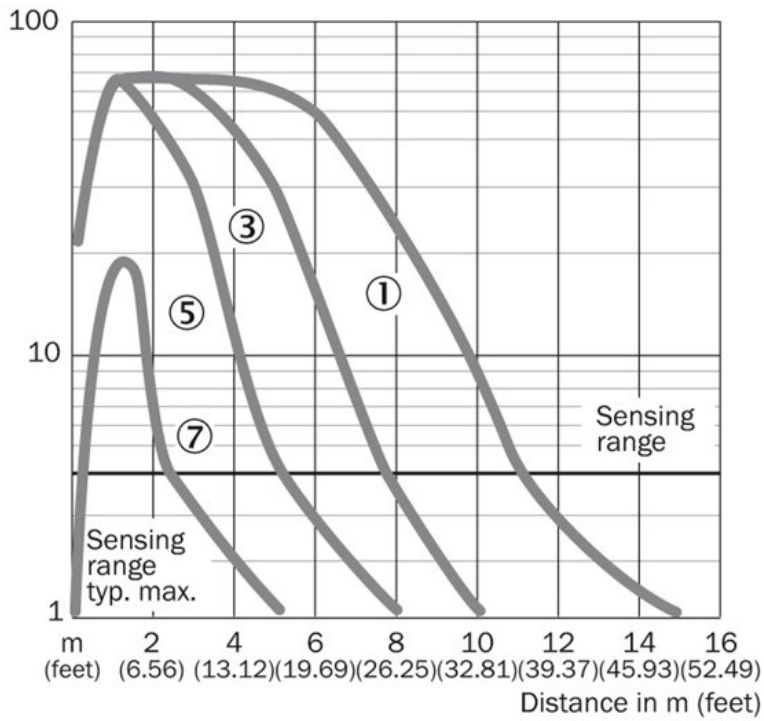
Dimensional drawing



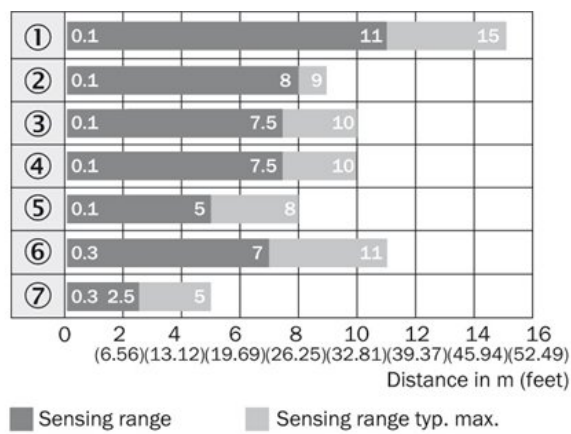
Connection diagram



Characteristic curve



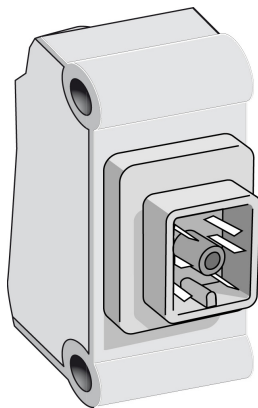
Sensing range diagram



Reflector type

- ① PL80A
- ② PL50A
- ③ PL40A
- ④ PL30A
- ⑤ PL20A
- ⑥ C110
- ⑦ Reflective tape
Diamond Grade

Connection type



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