



Fotoprzełączniki W11-2, Fotoprzełącznik refleksyjny, Standard optics

WL11-2P2430P05



Nazwa modelu > **WL11-2P2430P05**

Numer części > **1047579**



Produkt może różnić się od ilustracji

At a glance

- Retro-reflective with standard lens principle
- Rugged housing for industrial use
- PinPoint LED technology with highly visible light spot
- Space-saving plastic housing in chemically, thermally or mechanically resistant designs
- Dovetail mounting - standard mounting holes and oblong holes
- Highly visible 360° status LEDs
- Optional sensing range adjustment via teach-in pushbutton
- Operating distance up to 10 m

Your benefits

- Custom ASIC provides reliable object detection
- High immunity to optical interference reduces false readings and downtime
- PinPoint LED technology provides a bright, small and precise light spot that enables quick and easy sensor alignment
- Precise switching characteristics ensure high performance even in changing application conditions
- Rugged housing design withstands harsh environments, reducing downtime and maintenance effort
- Highly visible 360° status LEDs provide quick and easy setup without additional personnel or costly training
- Easy installation using SICK accessories



Cechy

Zasada działania czujnika/Sposób detekcji:	Fotoprzełącznik refleksyjny, Standard optics
Wymiary (Szer. x Wys. x Głęb.):	15,6 mm x 48,5 mm x 42 mm
Housing design (light emission):	Prostopadłościenna
Maks. strefa działania:	0,15 m ... 10 m ¹⁾
Sensing range:	0,15 m ... 8 m ²⁾
Rodzaj światła:	Widzialne światło czerwone
Nadajnik światła:	LED ³⁾
Długość fali:	640 nm
Kąt promieniowania:	Ca. 2,2 °
Średnica plamki świetlnej (odległość):	Ø 50 mm (3 m)

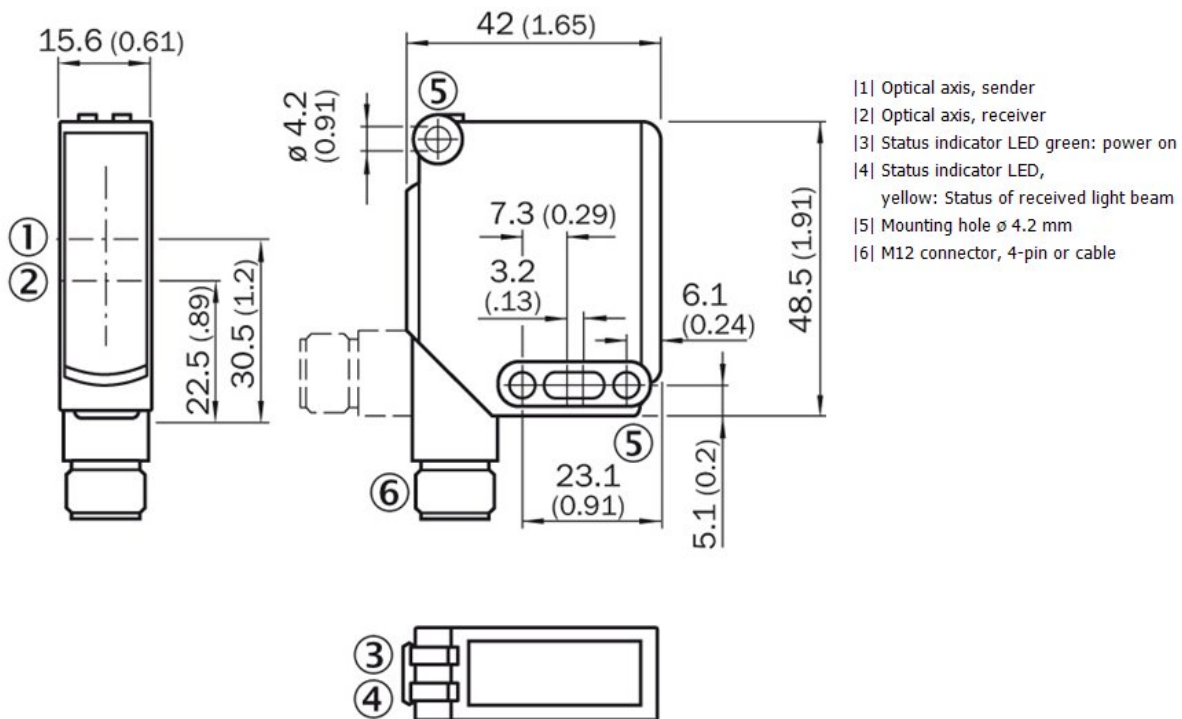
1) 2) PL80A 3) Average service life of 100,000 h at T_A = +25 °C

Mechanika/elektronika

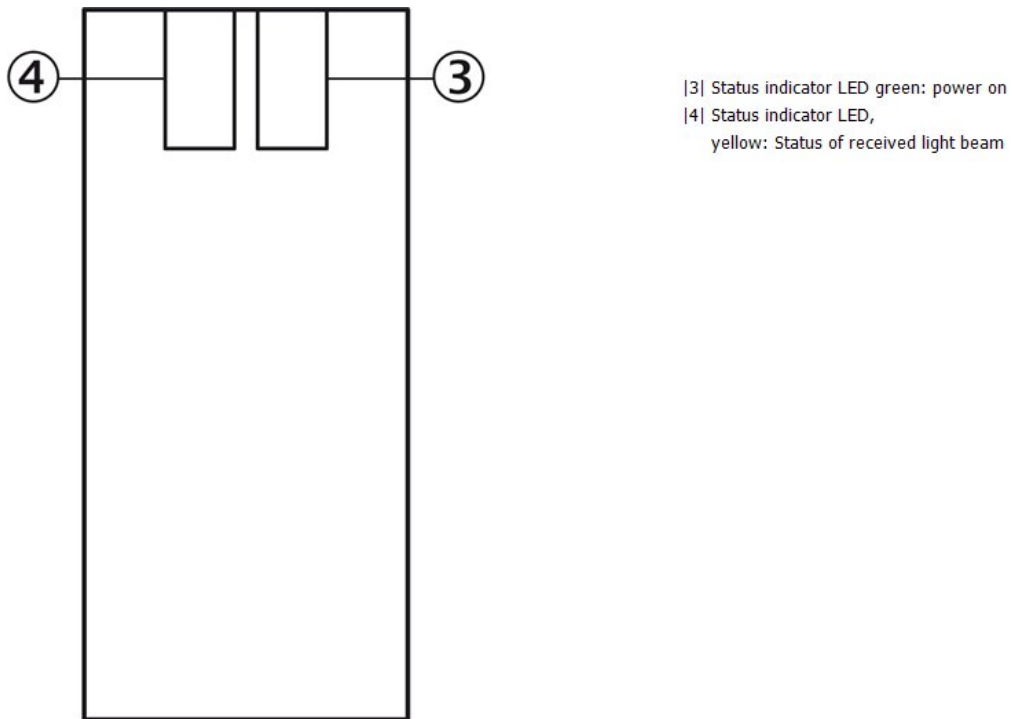
Napięcie zasilania:	10 V DC ... 30 V DC ¹⁾
Tętnienia resztkowe:	$\leq 5 \text{ Vss}$ ²⁾
Current consumption:	$\leq 30 \text{ mA}$ ³⁾
Switching output:	PNP
Tryb przełączania:	Komplementarne
Switching output:	Przełączanie na jasnym ⁴⁾
Napięcie sygnału PNP HIGH/LOW:	$U_v - 2,5 \text{ V/ca. } 0 \text{ V}$
Output current I _{max} :	100 mA
Czas reakcji:	$\leq 2,5 \text{ ms}$ ⁵⁾
Switching frequency:	200 Hz ⁶⁾
Typ połączenia:	Connector M12, 4-pin
Układ zabezpieczenia:::	A, C, D ^{7) 8) 9)}
Klasa ochronności:	II ¹⁰⁾
Ciężar:	120 g
Filtr polaryzacyjny:	✓
Special device:	✓
Tworzywo, obudowa:	ABS, Tworzywo sztuczne
Tworzywo, układ optyczny:	PMMA
Rodzaj zabezpieczenia:	IP 66 IP 67 IP 69K
Dostawa:	Reflector P250
Ambient operating temperature:	-30 °C ... 60 °C
Ambient storage temperature:	-40 °C ... 75 °C
UL File No.:	NRKH.E181493 & 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⁾ Pin 2/Pin 4 swapped over
⁵⁾ Signal transit time with resistive load ⁶⁾ With light/dark ratio 1:1 ⁷⁾ $A = V_S$ connections reverse-polarity protected ⁸⁾ C = interference suppression ⁹⁾ D = outputs
overcurrent and short-circuit protected ¹⁰⁾ Reference voltage DC 50 V

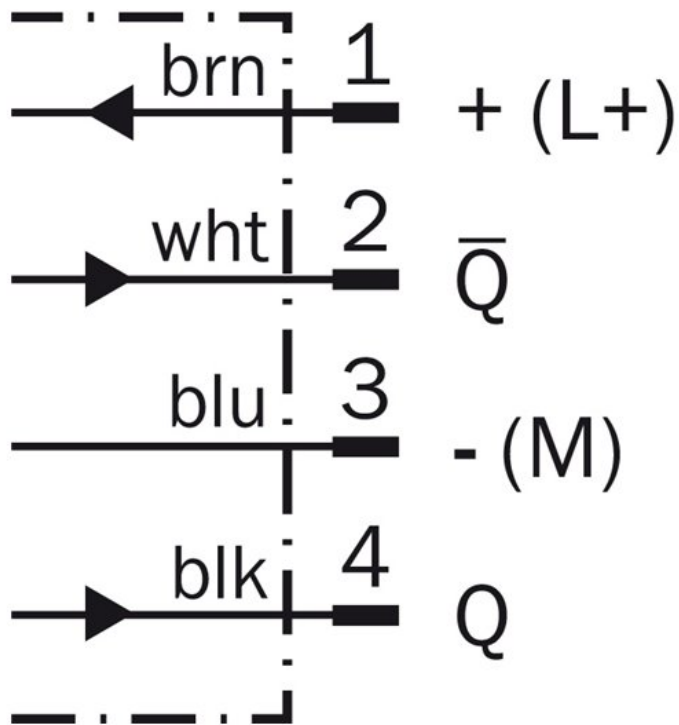
Dimensional drawing



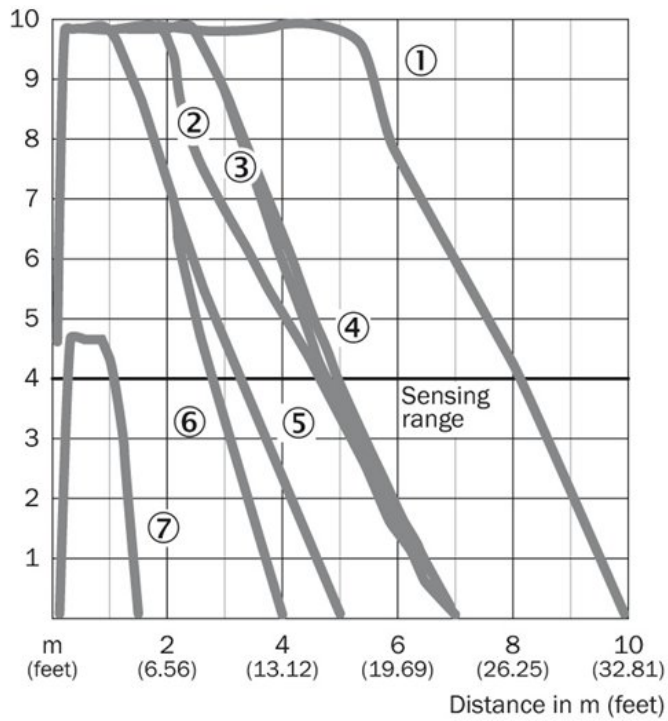
Adjustments possible



Connection diagram

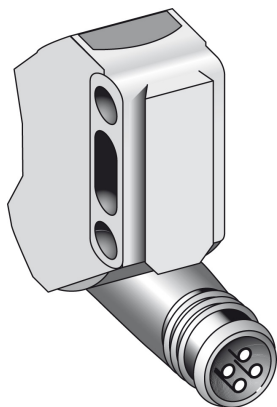


Characteristic curve



- [1] PL80A
- [2] C110A
- [3] PL50A
- [4] PL40A
- [5] PL30A
- [6] PL20A
- [7] Reflective tape Diamond Grade

Connection type



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