



Fotoprzełączniki W18-3 Ex, Fotoprzełącznik refleksyjny, autocollimation

WL18X-3P930



Nazwa modelu > **WL18X-3P930**

Numer części > **1029902**



Produkt może różnić się od ilustracji

At a glance

- Autocollimation optics
- Polarizing filter
- Highly visible red sender LED
- Operation via potentiometer
- Sensors meet requirements of Category 3G/3D

Your benefits

- Autocollimation optics and polarizing filters ensure reliable detection of shiny objects
- Quick and easy alignment and setup due to highly visible red light
- Reliable use in potentially explosive atmospheres
- Application-specific sensitivity control via potentiometer
- Quick and easy installation due to a wide range of accessories, especially reflectors



Cechy

Zasada działania czujnika/Sposób detekcji:	Fotoprzełącznik refleksyjny, autocollimation
Wymiary (Szer. x Wys. x Głęb.):	17,6 mm x 75,5 mm x 33,5 mm
Housing design (light emission):	Prostopadłościenna
Maks. strefa działania:	0 m ... 7 m ¹⁾
Sensing range:	0 m ... 5 m ²⁾
Rodzaj światła:	Widzialne światło czerwone
Nadajnik światła:	LED ³⁾
Długość fali:	645 nm
Kąt promieniowania:	1,8 °
Nastawa:	Potencjometr, 1 obrotów
Średnica plamki świetlnej (odległość):	Ø 40 mm (2 m)
Continuous threshold adaption:	-

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

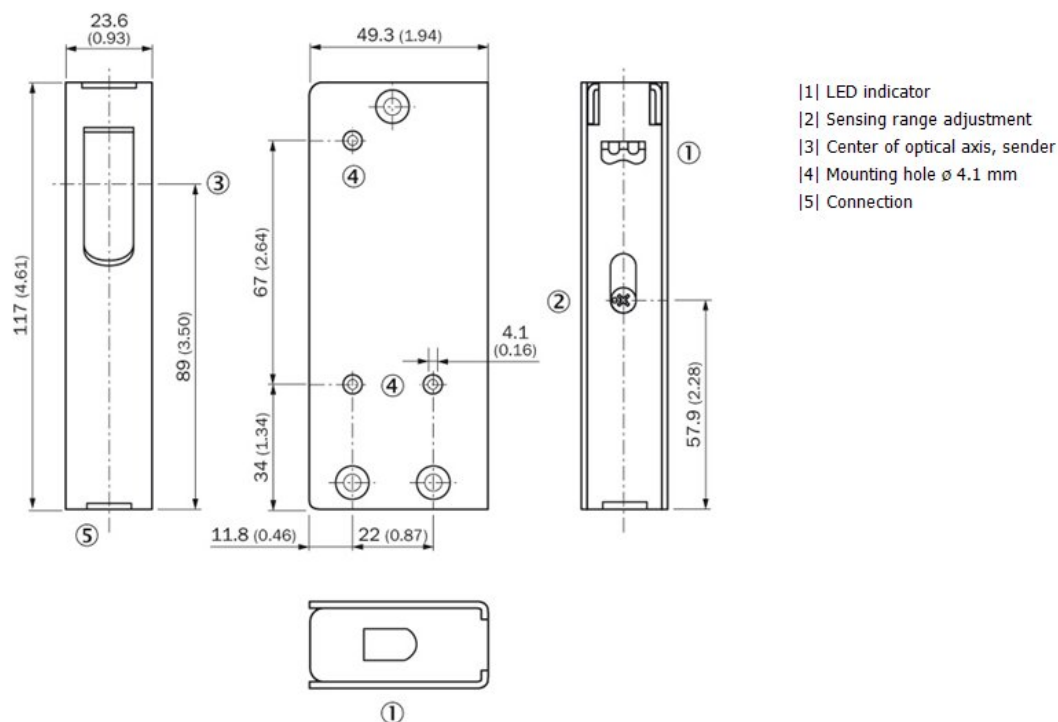
Mechanika/elektronika

Napięcie zasilania:	10 V DC ... 30 V DC ¹⁾
Pobór prądu:	40 mA ²⁾
Switching output:	PNP
Tryb przełączania:	Przełączanie jasno/ciemno, wybierane

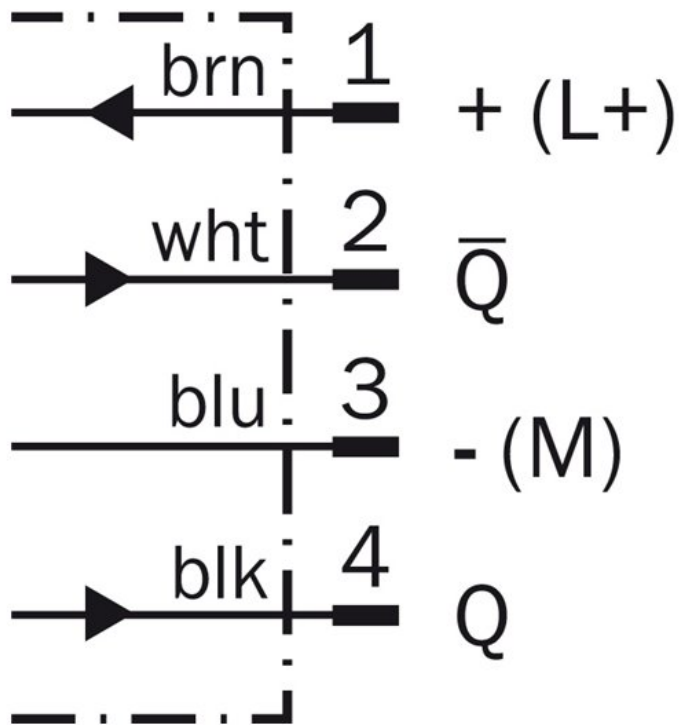
Output current I _{max} ..:	100 mA
Czas reakcji:	< 500 μs ³⁾
Switching frequency:	± 1.000 Hz ⁴⁾
Typ połączenia:	Cable with connector M12, 4-pin, 0,29 m ⁵⁾
Cable material:	PVC
Układ zabezpieczenia:::	A, C, D ⁶⁾ ⁷⁾ ⁸⁾
Ciężar:	300 g
Filtr polaryzacyjny:	✓
Special device:	-
Tworzywo, obudowa:	ABS, Tworzywo sztuczne
Tworzywo, układ optyczny:	PMMA
Rodzaj zabezpieczenia:	IP 67
Oznakowanie strefy zagrożonej (ATEX):	EX II 3D IP67 T70 °C Ex II 3G EEx nA II T4 X ⁹⁾
Kategoria strefy zagrożonej:	3D, 3G
Ambient operating temperature:	-40 °C ... 60 °C
Ambient storage temperature:	-40 °C ... 75 °C

¹⁾ Limit values, operation in short-circuit protected network max. 8 A ²⁾ Bez obciążenia ³⁾ Signal transit time with resistive load ⁴⁾ With light/dark ratio 1:1 ⁵⁾ Do not bend below 0 °C ⁶⁾ A = V_S connections reverse-polarity protected ⁷⁾ C = interference suppression ⁸⁾ D = outputs overcurrent and short-circuit protected ⁹⁾ Conformity with directives. Explosion prevention: Directive 94/9/EC

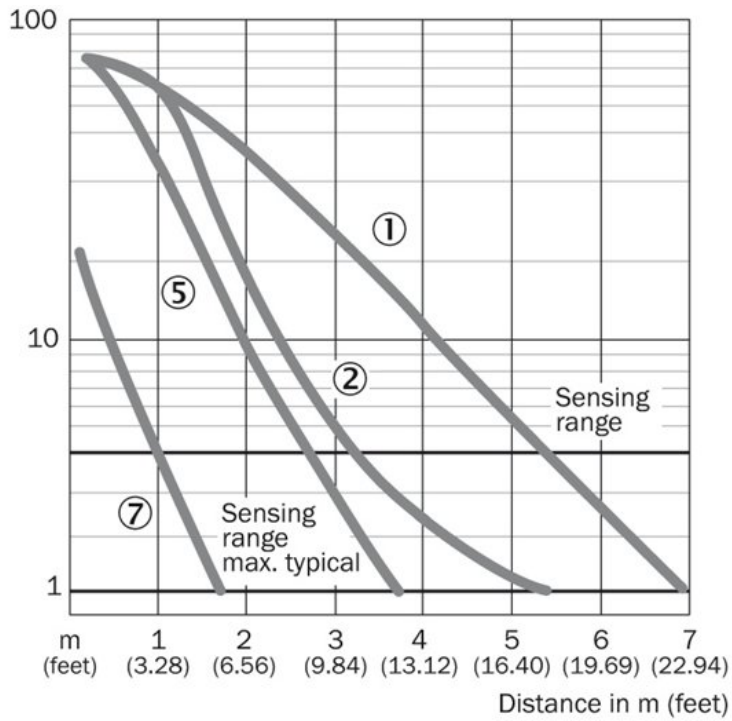
Dimensional drawing



Connection diagram

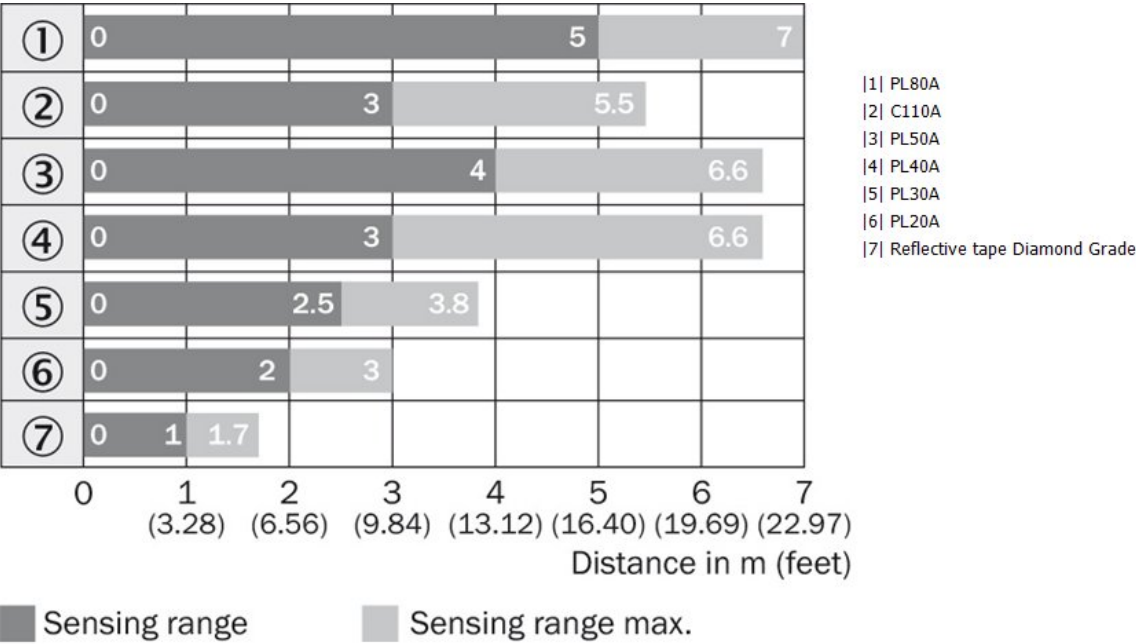


Characteristic curve

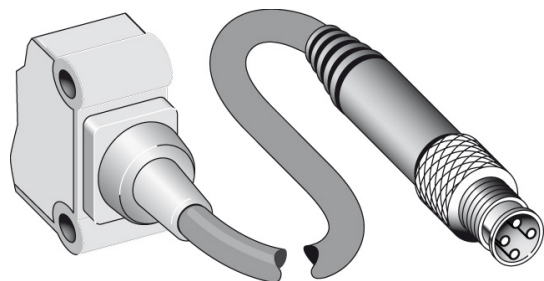


- [1] PL80A
- [2] C110A
- [5] PL30A
- [7] Reflective tape Diamond Grade

Sensing range diagram



Connection type



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