



Fotoprzełączniki W4-3 Glass, Fotoprzełącznik refleksyjny

WLG4-3F3182



Nazwa modelu > **WLG4-3F3182**

Numer części > **1028135**



Produkt może różnić się od ilustracji

At a glance

- Fast and reliable setup via teach-in pushbutton
- Continuous threshold adjustment technology to detect objects in changing conditions such as temperature, contamination and reflector wear
- Versions without polarizing filters to better detect depolarizing objects such as PET bottles, CD sleeves and shrink-wrapped, glossy objects

Your benefits

- Reliable and quick setting via the push of a button
- Flat housing design eliminates alignment or mounting brackets, which saves time and money
- Low-cost machine integration due to small dimensions that enable mounting in areas with space restrictions
- Quick and easy setup due to highly visible intensive light spot
- The PinPoint LED's well-defined, intense light spot simplifies alignment
- Nearly all transparent objects can be reliably detected



Cechy

Zasada działania czujnika/Sposób detekcji:	Fotoprzełącznik refleksyjny
Wymiary (Szer. x Wys. x Głęb.):	16 mm x 39,5 mm x 12 mm
Housing design (light emission):	Prostopadłościenna, Flat
Maks. strefa działania:	0,01 m ... 1,6 m ¹⁾
Sensing range:	0,02 m ... 0,9 m ²⁾
Rodzaj światła:	Widzialne światło czerwone
Nadajnik światła:	Pin Point LED ³⁾
Długość fali:	650 nm
Teach-in:	Single teach-in button
Nastawa:	Teach-in
Średnica plamki świetlnej (odległość):	Ø 75 mm (1,5 m)

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

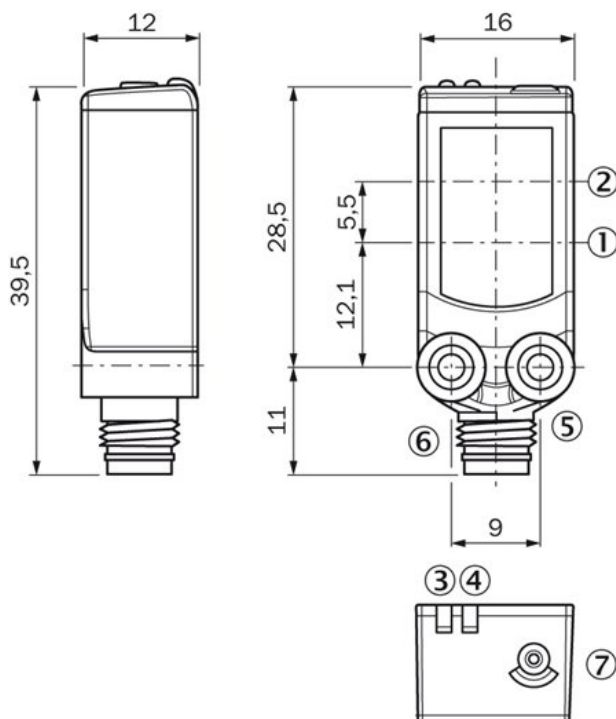
Mechanika/elektronika

Napięcie zasilania:	10 V DC ... 30 V DC ¹⁾
Tętnienia resztkowe:	< 5 Vss ²⁾
Pobór prądu:	≤ 20 mA ³⁾
Wyjście przełączające:	PNP
Tryb przełączania:	Dark-switching

Output current I _{max} ..:	≤ 100 mA
Czas reakcji:	< 0,5 ms ⁴⁾
Switching frequency:	1.000 Hz ⁵⁾
Kąt odbioru:	Ca. 30 °
Tłumienie w drodze optycznej światła:	> 8 %
Sposób przyłączenia:	Cable with connector M8, 3-pin, 100 mm ⁶⁾
Cable material:	PVC
Conductor cross-section:	0,14 mm ²
Cable diameter:	Ø 3,4 mm
Układ zabezpieczenia:::	A, C, D ⁷⁾ ⁸⁾ ⁹⁾
Klasa ochronności:	III
Ciężar:	30 g
Filtr polaryzacyjny:	-
Tworzywo, obudowa:	ABS, Tworzywo sztuczne
Tworzywo, układ optyczny:	PMMA
Rodzaj zabezpieczenia:	IP 67 IP 66
Emitancja:	Do obiektów transparentnych
Funkcje specjalne:	Without polarisation filter
Ambient operating temperature:	-40 °C ... 60 °C
Ambient storage temperature:	-40 °C ... 75 °C

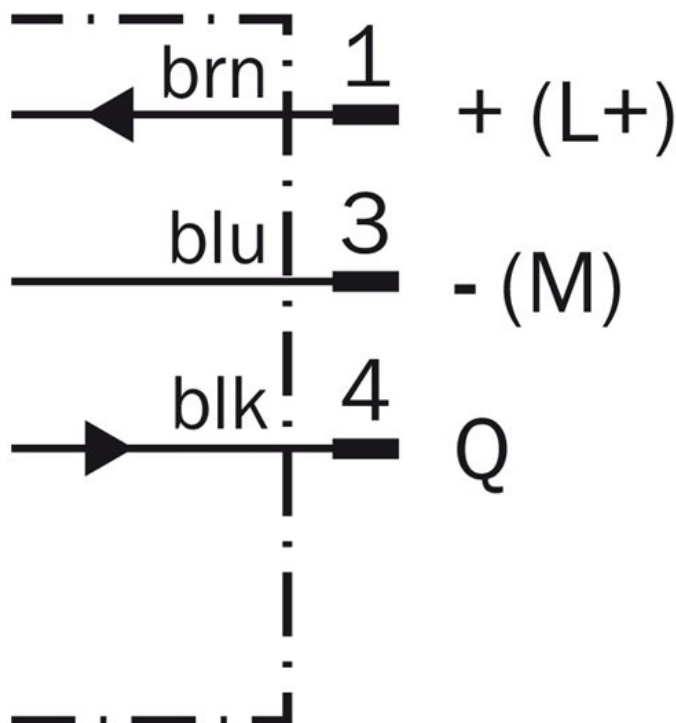
¹⁾ Limit values ²⁾ May not exceed or fall short of V_S tolerances ³⁾ Bez obciążenia ⁴⁾ Signal transit time with resistive load ⁵⁾ With light/dark ratio 1:1 ⁶⁾ Do not bend
below 0 °C ⁷⁾ A = V_S connections reverse-polarity protected ⁸⁾ C = interference suppression ⁹⁾ D = outputs overcurrent and short-circuit protected

Dimensional drawing

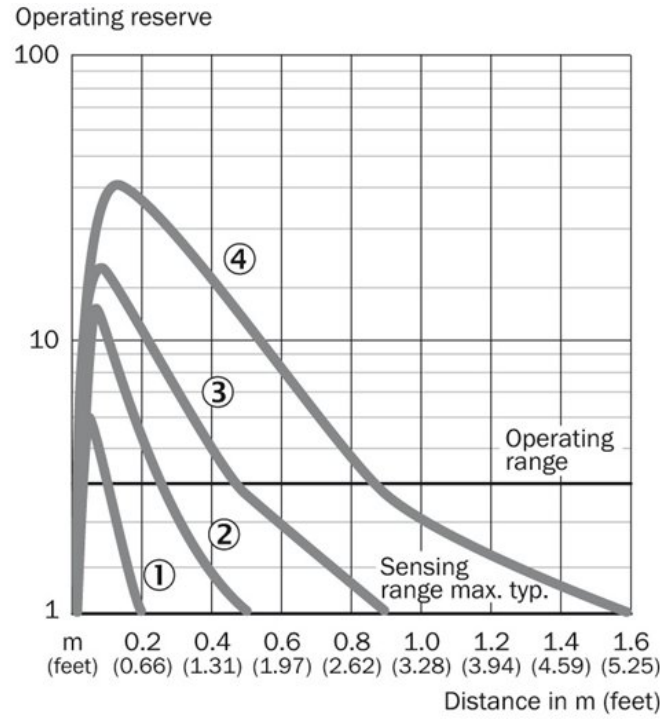


- [1] Center of optical axis, sender
- [2] Center of optical axis, receiver
- [3] LED indicator orange: status of received light beam
- [4] Status indicator LED green: power on
- [5] Threaded mounting hole M3
- [6] Connection
- [7] Teach-in button

Connection diagram

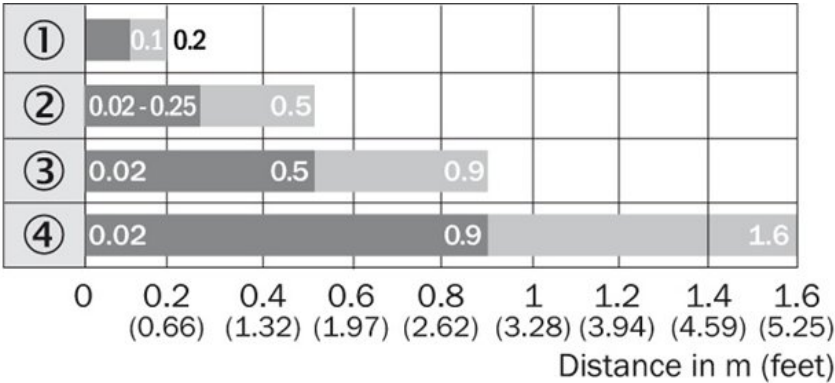


Characteristic curve



- |1| PL10F
- |2| PL20A
- |3| PL40A
- |4| PL80A

Sensing range diagram

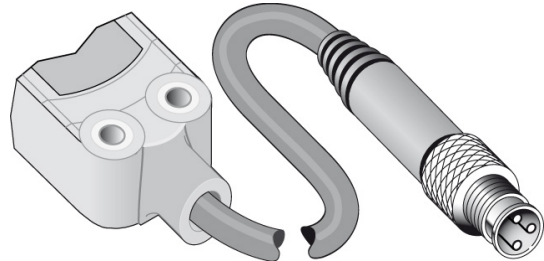


- |1| PL10F
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- |3| PL40A
- |4| PL80A

■ Sensing range ■ Sensing range typ. max.

- ① PL10F
- ② PL20A
- ③ PL40A
- ④ PL80A

Connection type



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