



## Fotoprzełączniki W4S-3 Inox Hygiene Glass, Fotoprzełącznik refleksyjny, autocollimation

WLG4S-3E1134H



Nazwa modelu > **WLG4S-3E1134H**

Numer części > **1048124**



*Produkt może różnić się od ilustracji*

#### At a glance

- Hygienic designed stainless steel housing and accessories (316L/1.4404)
- Hygienic mounting using M12-adapter thread or D12-adapter shaft
- IP 66, IP 67, IP 68 and IP 69K enclosure rating and Ecolab certified
- Resistant to a variety of common cleaning and disinfection agents
- PinPoint LED technology provides a highly visible laser-like light spot
- Teach-in stainless steel metal membrane or external teach-in

#### Your benefits

- Smooth hygienic housing and accessories with no grooves or crevices eliminates the potential for bacteria to grow, providing a more hygienic solution.
- Long service life in harsh conditions ensures less downtime and fewer replacement costs
- Reliable detection of all transparent objects in the pharmaceutical and food and beverage industries
- Quick and easy adjustment via a stainless steel metal membrane teach-in pushbutton
- Quick and easy alignment due to highly visible PinPoint emitter LED
- Remote monitoring and fast diagnostics via IO-Link (optional)



#### Cechy

|                                            |                                              |
|--------------------------------------------|----------------------------------------------|
| Wymiary (Szer. x Wys. x Głęb.):            | 15,25 mm x 49,2 mm x 22,15 mm                |
| Maks. strefa działania:                    | 0 m ... 5 m <sup>1)</sup>                    |
| Sensing range:                             | 0 m ... 3 m <sup>2)</sup>                    |
| Housing desig (light emission):            | Prostopadłościenna, Slim                     |
| Nadajnik światła:                          | Pin Point LED <sup>3)</sup>                  |
| Rodzaj światła:                            | widzialne światło czerwone                   |
| Długość fali:                              | 650 nm                                       |
| Nastawienie czułości:                      | Teach <sup>4)</sup><br>Cable                 |
| Teach-in:                                  | single teach-in button                       |
| Zasada działania czujnika/Sposób detekcji: | Fotoprzełącznik refleksyjny, autocollimation |
| Light spot (distance):                     | Ø 45 mm (1,5 m)                              |

<sup>1) 2)</sup> PL80A <sup>3)</sup> Average service life 100,000 h at Ta = +25 °C <sup>4)</sup> External teach-in: pulse > 2 s with voltage Uv with PNP and M with NPN

## Mechanika/elektronika

|                                   |                                                     |
|-----------------------------------|-----------------------------------------------------|
| Rodzaj zabezpieczenia:            | IP 66<br>IP 67<br>IP 68<br>IP 69K                   |
| Napięcie zasilania:               | 10 V DC... 30 V DC <sup>1)</sup>                    |
| Tętnienia resztkowe:              | < 5 Vss <sup>2)</sup>                               |
| Pobór prądu:                      | ≤ 30 mA <sup>3)</sup>                               |
| Wyjście przełączające:            | NPN, Dark-switching                                 |
| Output current I <sub>max</sub> : | ≤ 100 mA                                            |
| Czas reakcji:                     | < 0,5 ms <sup>4)</sup>                              |
| Switching frequency:              | 1.000 Hz <sup>5)</sup>                              |
| Sposób przyłączenia:              | Cable, 4-wire, 2 m <sup>6)</sup>                    |
| Cable material:                   | PVC                                                 |
| Conductor cross-section:          | 0,14 mm <sup>2</sup>                                |
| Klasa ochronności:                | III                                                 |
| Układ zabezpieczenia:::           | A<br>B 7) 8) 9)<br>C                                |
| Ciężar:                           | 80 g                                                |
| Tworzywo, obudowa:                | Edelstahl 316L                                      |
| Ambient temperature, operation:   | -35 °C ... 70 °C <sup>10)</sup><br>-35 °C ... 60 °C |
| Ambient temperature, storage:     | -35 °C ... 75 °C                                    |
| Filtr polaryzacyjny:              | ✓                                                   |
| Emitancja:                        | do obiektów transparentnych                         |
| IO-Link:                          | -                                                   |
| UL File-No.:                      | FDA, UL No. NRKH.E181493 & cUL No. NRKH7.E181493    |

<sup>1)</sup> Limit values, reverse-polarity protected, operation in short-circuit protected network, max. 8 A <sup>2)</sup> May not exceed or fall short of V<sub>S</sub> <sup>3)</sup> Without load <sup>4)</sup> Signal transit time with resistive load <sup>5)</sup> With light/dark ratio 1:1 <sup>6)</sup> Do not bend below 0 °C <sup>7)</sup> A = V<sub>S</sub> connections reverse-polarity protected <sup>8)</sup> B = inputs and output reverse-polarity protected <sup>9)</sup> C = interference suppression <sup>10)</sup> At UV ≤ 24 V and IA < 30 mA

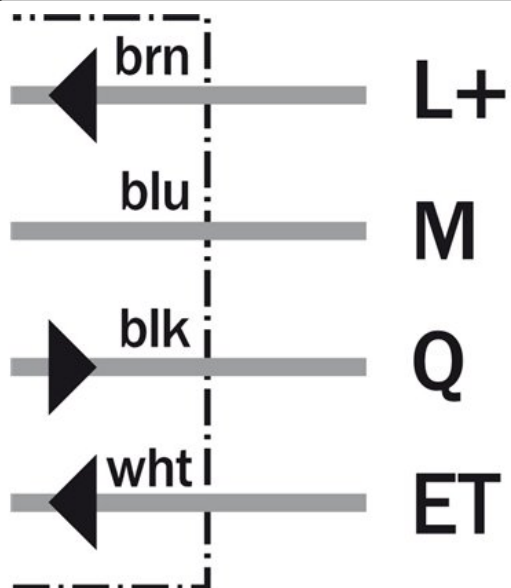
## Dimensional drawing

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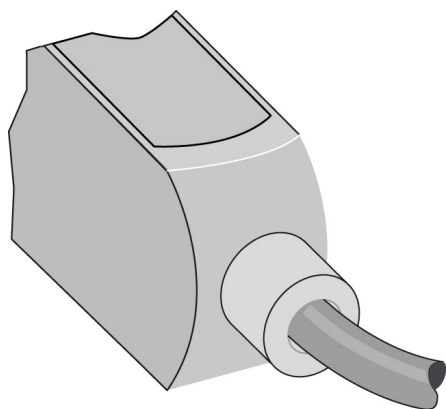
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## Connection diagram

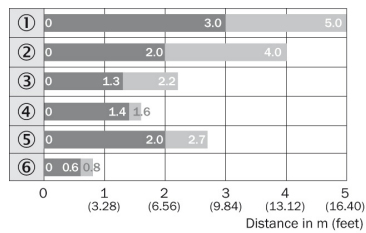
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Connection type



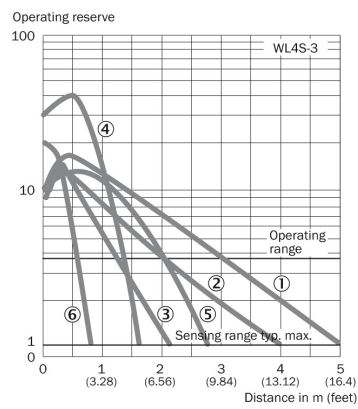
Sensing range diagram



Operating range      Sensing range typ. max.

- ① Reflector type PL80A
- ② Reflector type PL40A
- ③ Reflector type PL20A
- ④ Reflector type PL10F
- ⑤ Reflector type P250 CHEM
- ⑥ Reflective tape REF-IRF-56

Characteristic curve



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