



## Fotoprzełączniki W4-3, Fotoprzełącznik refleksyjny

WL4-3P1310S31



Nazwa modelu > **WL4-3P1310S31**

Numer części > **1044668**



Produkt może różnić się od ilustracji

#### At a glance

- Sensing range from 0.4 ... 9 m
- Outstanding size/performance value
- Rugged plastic housing with M3 threaded metal inserts
- IR LED light

#### Your benefits

- Sensor can be hidden behind a non-transparent window, which normally blocks visible light
- Less contamination due to a high operating reserve on small reflectors
- Reliable operation in harsh environments



#### 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          |
| Maks. strefa działania:                    | ≤ 4,5 m                     |
| Sensing range:                             | 0,4 m ... 9 m <sup>1)</sup> |
| Rodzaj światła:                            | Światło podczerwone         |
| Nadajnik światła:                          | LED <sup>2)</sup>           |
| Długość fali:                              | 850 nm                      |
| Średnica plamki świetlnej (odległość):     | Ø 75 mm (1,5 m)             |

<sup>1)</sup> PL80A <sup>2)</sup> Average service life of 100,000 h at T<sub>A</sub> = +25 °C

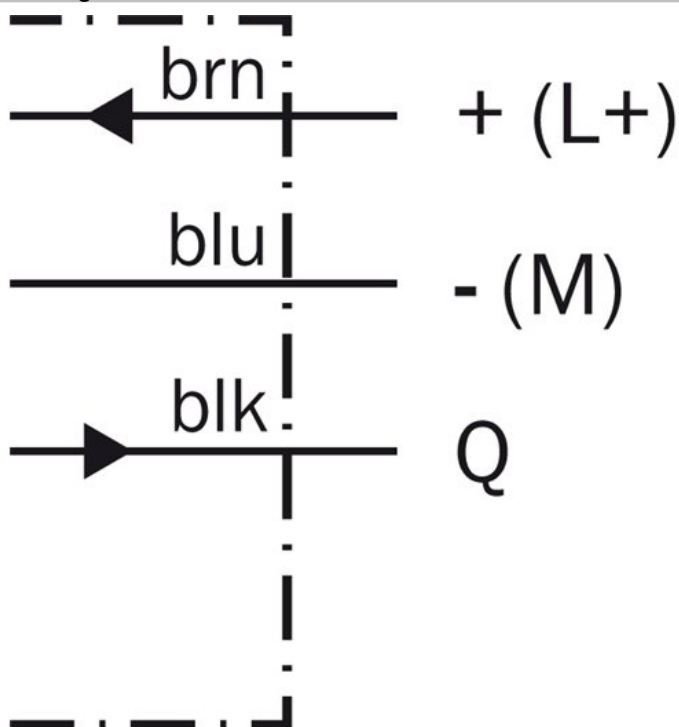
#### Mechanika/elektronika

|                                   |                                                   |
|-----------------------------------|---------------------------------------------------|
| Napięcie zasilania:               | 10 V DC ... 30 V DC <sup>1)</sup>                 |
| Tętnienia resztkowe:              | < 5 Vss <sup>2)</sup>                             |
| Pobór prądu:                      | ≤ 20 mA <sup>3)</sup>                             |
| Wyjście przełączające:            | PNP                                               |
| Tryb przełączania:                | Przełączanie na jasnym                            |
| 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, 3-wire <sup>6)</sup>                       |
| Układ zabezpieczenia:::           | A, C, D <sup>7)</sup> <sup>8)</sup> <sup>9)</sup> |
| Klasa ochronności:                | III                                               |

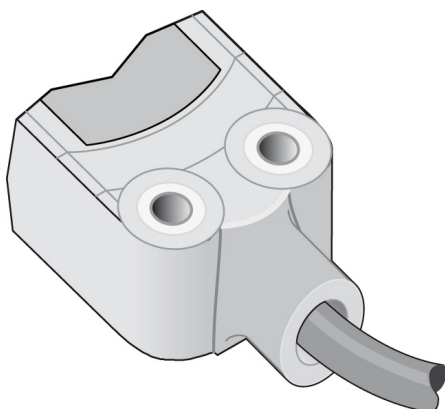
|                                |                        |
|--------------------------------|------------------------|
| Ciężar:                        | 30 g                   |
| Filtr polaryzacyjny:           | -                      |
| Special device:                | -                      |
| Tworzywo, obudowa:             | ABS, Tworzywo sztuczne |
| Tworzywo, układ optyczny:      | PMMA                   |
| Rodzaj zabezpieczenia:         | IP 67<br>IP 66         |
| Ambient operating temperature: | -40 °C ... 60 °C       |
| Ambient storage temperature:   | -40 °C ... 75 °C       |

<sup>1)</sup> Limit values   <sup>2)</sup> May not exceed or fall short of  $V_S$  tolerances   <sup>3)</sup> Bez obciążenia   <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 =  $V_S$  connections reverse-polarity protected   <sup>8)</sup> C = interference suppression   <sup>9)</sup> D = outputs overcurrent and short-circuit protected

#### Connection diagram



#### Connection type



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