



## Fotoprzełączniki W4S-3 Inox, Fotoprzełącznik odbiciowy, Tłumienie tła

WTB4S-3P3464V



Nazwa modelu > **WTB4S-3P3464V**

Numer części > **1048015**



Produkt może różnić się od ilustracji

#### At a glance

- WashDown rated for fluid tightness (IP 66, IP 67, IP 68 and IP 69K) and Ecolab certified
- Tough stainless steel housing (316L/1.4404)
- Resistant to a variety of common cleaning and disinfection agents
- Modern electrical connection available - M12 connector with pin casting
- Best background and extraneous light suppression in its class with OES3 technology and two emitter LED's
- PinPoint LED technology provides a highly visible laser-like light spot
- Teach-in via stainless steel pushbutton with a metal membrane
- Remote monitoring and quick diagnostics via IO-Link (optional)

#### Your benefits

- Long service life in harsh conditions ensures less downtime and fewer replacement costs
- OES3 technology and special optical design ensures reliable detection of objects at an extended range which ensures less machine downtime caused by faulty switching
- Quick and easy alignment due to highly visible PinPoint emitter LED
- Easy adjustment via a stainless steel metal membrane teach-in pushbutton
- Remote monitoring and quick diagnostics via IO-Link



#### Cechy

|                                            |                                          |
|--------------------------------------------|------------------------------------------|
| Wymiary (Szer. x Wys. x Głęb.):            | 15,25 mm x 49,2 mm x 22,2 mm             |
| Maks. strefa działania:                    | 4 mm ... 500 mm <sup>1)</sup>            |
| Sensing range:                             | 10 mm ... 350 mm <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 odbiciowy, Tłumienie tła |
| Light spot (distance):                     | Ø 6,5 mm (150 mm)                        |

<sup>1) 2)</sup> Obiekt odbijający 90% światła (standardowy biały zgodnie z normą DIN 5033) <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

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|                                   |                                                     |
|-----------------------------------|-----------------------------------------------------|
| 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:            | PNP, light 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 przyłączania:              | Cable with plug, M12, 4-pin, 150 mm <sup>6)</sup>   |
| Cable material:                   | PVC                                                 |
| Klasa ochronności:                | III                                                 |
| Układ zabezpieczenia:::           | A<br>B<br>C <sup>7)</sup> 8) 9)                     |
| Ciężar:                           | 60 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                                    |
| Special device:                   | -                                                   |
| UL File-No.:                      | 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



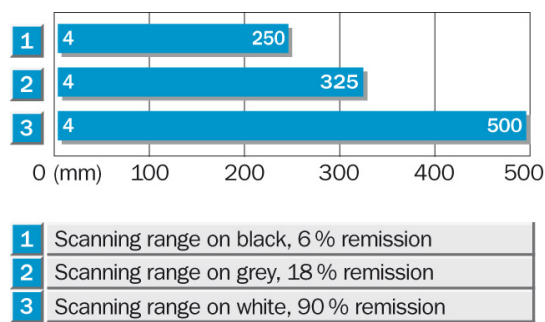
### Connection diagram



### Connection type



Sensing range diagram



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