



Fotoprzełączniki

W4S-3 Inox, Fotoprzełącznik odbiciowy, Tłumienie przedpola

WTF4S-3P2205VS02



Nazwa modelu > **WTF4S-3P2205VS02**

Numer części > **1046742**



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 extraneous light suppression in its class with OES3 technology and two emitter LED's
- Teach-in via stainless steel pushbutton with a metal membrane
- PinPoint LED technology provides a highly visible laser-like light spot

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
- Economical and efficient machine integration without a reflector, all the sensor needs is a fixed background for calibration
- Quick and easy alignment due to highly visible PinPoint emitter LED
- Easy adjustment via stainless steel metal membrane teach button



Cechy

Zasada działania czujnika/Sposób detekcji:	Fotoprzełącznik odbiciowy, Tłumienie przedpola
Wymiary (Szer. x Wys. x Głęb.):	15,25 mm x 44,5 mm x 22,2 mm
Housing design:	Washdown
Housing design (light emission):	Prostopadłościenna, Slim
Maks. strefa działania:	20 mm ... 200 mm ¹⁾
Rodzaj światła:	Widzialne światło czerwone
Nadajnik światła:	Pin Point LED ²⁾
Długość fali:	650 nm
Teach-in:	Single teach-in button
Nastawa:	Łączna
Średnica plamki świetlnej (odległość):	Ø 6,5 mm (150 mm)

¹⁾ Obiekt odbijający 90% światła (standardowy biały zgodnie z normą DIN 5033) ²⁾ Average service life of 100,000 h at T_A = +25 °C ³⁾ External teach-in: pulse > 2 s

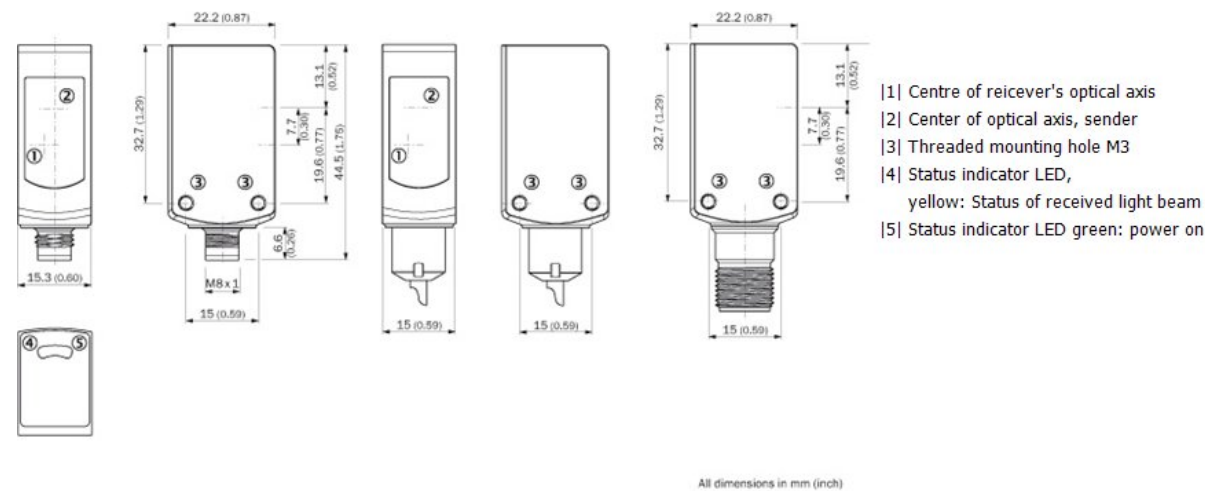
with voltage U_v with PNP and M with NPN

Mechanika/elektronika

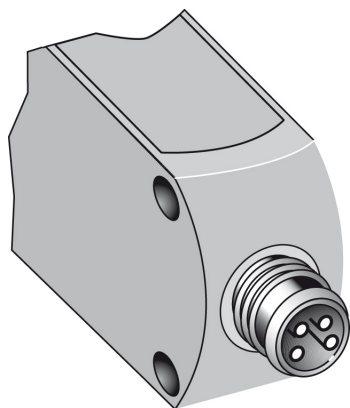
Napięcie zasilania:	10 V DC ... 30 V DC ¹⁾
Tętnienia resztkowe:	< 5 Vss ²⁾
Current consumption:	≤ 30 mA ³⁾
Switching output:	PNP
Tryb przełączania:	Przełączanie na jasnym
Output current I _{max} :	≤ 100 mA ⁴⁾
Czas reakcji:	< 0,5 ms ⁴⁾
Switching frequency:	1.000 Hz ⁵⁾
Sposób przyłączenia:	Connector M8, 4-pin
Układ zabezpieczenia::	A B C ^{6) 7) 8)}
Klasa ochronności:	III
Ciężar:	40 g
Tworzywo, obudowa:	Stainless steel, Stainless steel 316L
Rodzaj zabezpieczenia:	IP 66 IP 67 IP 68 ⁹⁾ IP 69K
Funkcje specjalne:	External teach, No adjustment possibility, Light spot diameter of 2.5 mm in 150 mm distance, Reduced sensing range of 280 mm
Ambient operating temperature:	-30 °C ... 60 °C, -30 °C ... 70 °C ¹⁰⁾
Ambient storage temperature:	-30 °C ... 75 °C
UL File No.:	NRKH.E181493 & NRKH7.E181493

¹⁾ Limit values, reverse-polarity protected, operation in short-circuit protected network, max. 8 A 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⁾ A = V_S connections reverse-polarity protected ⁷⁾ B = inputs and output reverse-polarity protected ⁸⁾ C = interference suppression ⁹⁾ Only in case of correctly mounted IP 69K connecting cable ¹⁰⁾ At UV ≤ 24 V and IA < 30 mA

Dimensional drawing



Connection type



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