



Fotoprzełączniki W12-3, Fotoprzełącznik odbiciowy, Tłumienie tła

WTB12-3N1011S47



Nazwa modelu > **WTB12-3N1011S47**

Numer części > **1044104**



Produkt może różnić się od ilustracji

At a glance

- State of the art technology provides precise background suppression
- Withstands harsh environments
- PinPoint LED technology with highly visible light spot; variants available with IR LED for highly critical applications
- Rugged die-cast zinc housing, with optional Teflon® coating
- Versatile mounting options due to dovetail mounting - mounting holes and oblong holes
- Flexible sensing ranges and hysteresis settings
- Key lock function, remote teach, quality monitoring
- Diagnostics messages (contamination and short-circuit)

Your benefits

- State of the art technology, e.g. OES3 provides precise background suppression and reliable detection of challenging objects
- High immunity to ambient light, optical reflections and crosstalk ensures fewer false readings and less downtime
- Highly visible status LEDs simplify sensing distance adjustments and reduce installation time
- A rugged metal housing withstands high-pressure cleaners and cleaning agents, reducing downtime
- Complementary outputs in one housing reduce inventory and procurement costs
- IO-Link enables quick remote diagnostics and maintenance (optional)
- Easy installation using SICK accessories



Cechy

Zasada działania czujnika/Sposób detekcji:	Fotoprzełącznik odbiciowy, Tłumienie tła
Wymiary (Szer. x Wys. x Głęb.):	15,6 mm x 48,5 mm x 42 mm
Housing design (light emission):	Prostopadłościenna
Maks. strefa działania:	20 mm ... 600 mm ¹⁾
Sensing range:	20 mm ... 600 mm
Rodzaj światła:	Światło podczerwone
Nadajnik światła:	LED ²⁾
Długość fali:	850 nm
Nastawa:	Potencjometr, 5 obrotów
Średnica plamki świetlnej (odległość):	200 mm

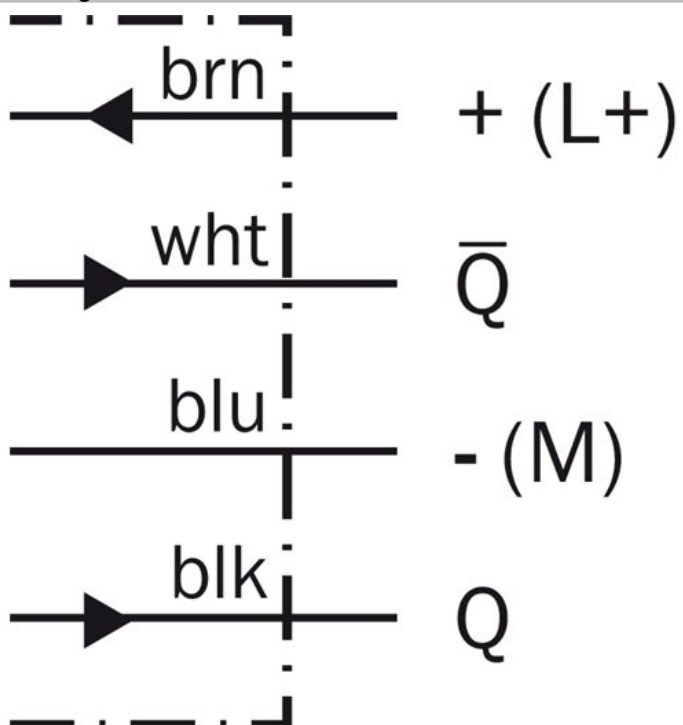
¹⁾ Obiekt odbijający 90% światła (standardowy biały zgodnie z normą DIN 5033) ²⁾ Average service life of 100,000 h at T_A = +25 °C

Mechanika/elektronika

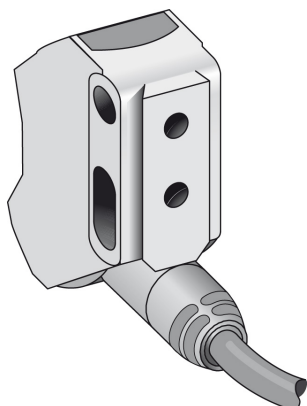
Napięcie zasilania:	10 V DC ... 30 V DC ¹⁾
Tętnienia resztkowe:	$\leq 5 V_{SS}$ ²⁾
Pobór prądu:	$\leq 55 \text{ mA}$ ³⁾
Wyjście przełączające:	NPN
Tryb przełączania:	Komplementarne
Tryb przełączania:	Przełączanie na jasnym
Napięcie sygnału NPN HIGH/LOW:	Approx. $V_S / < 2.5 \text{ V}$
Output current I _{max} :	100 mA ⁴⁾
Czas reakcji:	$\leq 330 \mu\text{s}$ ⁵⁾
Switching frequency:	1.500 Hz ⁵⁾
Układ zabezpieczenia:::	A, C, D ⁶⁾ ⁷⁾ ⁸⁾
Ciężar:	200 g
Special device:	✓
Tworzywo, obudowa:	Metal
Rodzaj zabezpieczenia:	IP 66 IP 67 IP 69K
Funkcje specjalne:	Cable 4 m with AMP connector, Sensing range preset: 150 mm
Ambient operating temperature:	-40 °C ... 60 °C
Ambient storage temperature:	-40 °C ... 75 °C

¹⁾ Limit values, 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⁾ C = interference suppression ⁸⁾ D = outputs overcurrent and short-circuit protected

Connection diagram



Connection type



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