



Fotoprzełączniki W27-3, Fotoprzełącznik refleksyjny, Standard optics

WL27-3S3731S03



Nazwa modelu > **WL27-3S3731S03**

Numer części > **1029145**



Produkt może różnić się od ilustracji

At a glance

- Long sensing range with a high operating reserve
- Quick alignment with red emitting LED
- Resistant to ambient noise such as crosstalk from another sensor
- Optional front screen heating and time delays
- Operating temperature: -40 °C - +60 °C
- UL approval

Your benefits

- Resistant to contamination due to high operating reserve
- Optional features, such as time delays, enhance functionality when needed
- Resistant to vibrations, reducing downtime
- Reliable operation in harsh environments with temperatures as low as -40 °C
- Durable housing with reinforced mounting holes withstands harsh conditions
- Quick alignment with red emitting LED



Cechy

Zasada działania czujnika/Sposób detekcji:	Fotoprzełącznik refleksyjny, Standard optics
Wymiary (Szer. x Wys. x Głęb.):	24,6 mm x 80,6 mm x 54 mm
Housing design (light emission):	Prostopadłościenna
Maks. strefa działania:	0,1 m ... 15 m ¹⁾
Sensing range:	0,1 m ... 11 m ²⁾
Rodzaj światła:	Widzialne światło czerwone
Nadajnik światła:	LED ³⁾
Długość fali:	660 nm
Kąt promieniowania:	Ca. 1,5 °
Nastawa:	Potentiometer
Średnica plamki świetlnej (odległość):	Ø 220 mm (10 m)

^{1) 2)} PL80A ³⁾ Average service life of 100,000 h at T_A = +25 °C

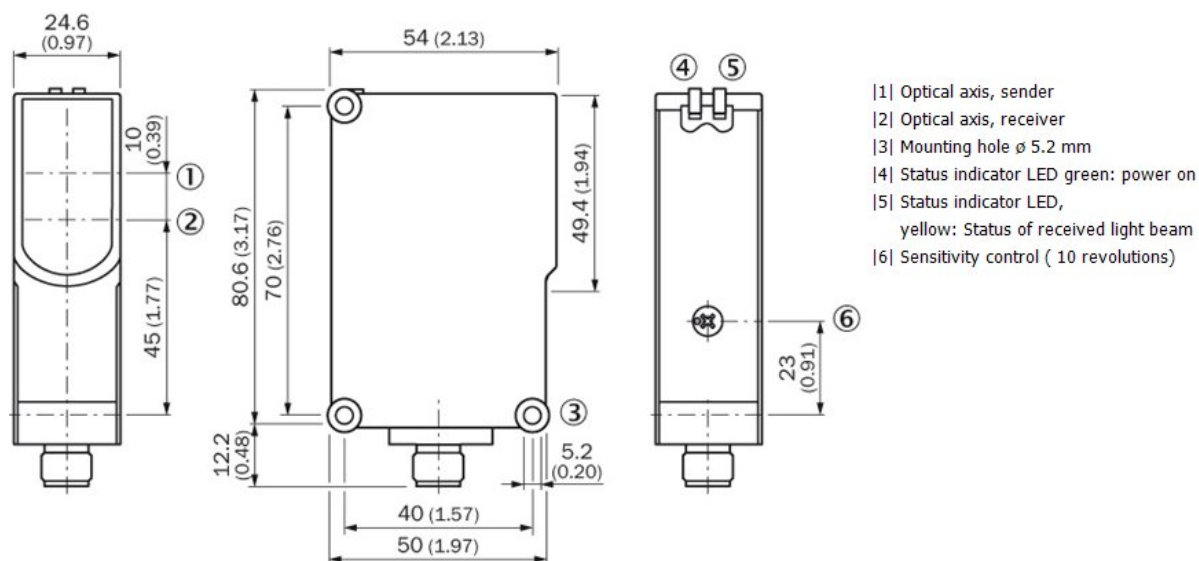
Mechanika/elektronika

Napięcie zasilania:	24 V AC/DC ... 240 V AC/DC ¹⁾
Pobór mocy:	≤ 2,5 VA
Wyjście przełączające:	Relay
Tryb przełączania:	Change-over contacts
Tryb przełączania:	Dark-switching ²⁾

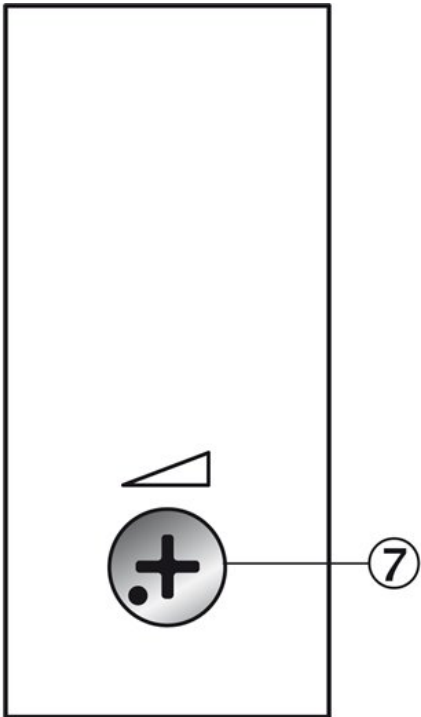
Output characteristic:	Electrically isolated
Maks. prąd łączeniowy:	0,11 A (250 V DC), 3 A (24 V DC), 3 A (250 V AC)
Czas reakcji:	≤ 10 ms
Switching frequency:	10 Hz ³⁾
Typ połączenia:	Cable with connector Q7, 7-pin, AC/UC-coding, 150 mm
Cable material:	PVC
Układ zabezpieczenia::	A, C ^{4) 5)}
Klasa ochronności:	II ⁶⁾
Ciężar:	140 g
Filtr polaryzacyjny:	✓
Special device:	✓
Tworzywo, obudowa:	ABS, Tworzywo sztuczne
Tworzywo, układ optyczny:	PMMA
Rodzaj zabezpieczenia:	IP 66 IP 67
Usage category:	AC-15, DC-13, According to EN 60947-1
Ambient operating temperature:	-40 °C ... 60 °C
Ambient storage temperature:	-40 °C ... 75 °C

1) $\pm 10\%$ 2) Provide suitable spark suppression for inductive or capacitive loads 3) With light/dark ratio 1:1 4) A = V_S connections reverse-polarity protected 5) C = interference suppression 6) Reference voltage 250 V AC

Dimensional drawing

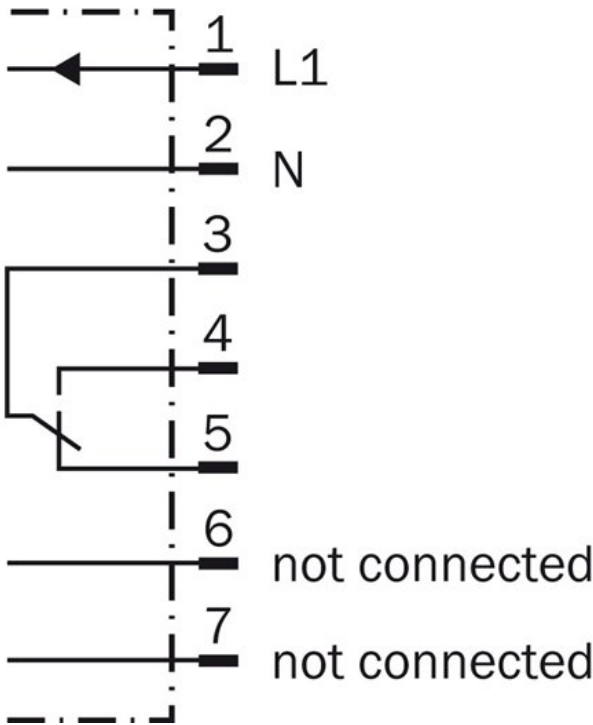


Adjustments possible

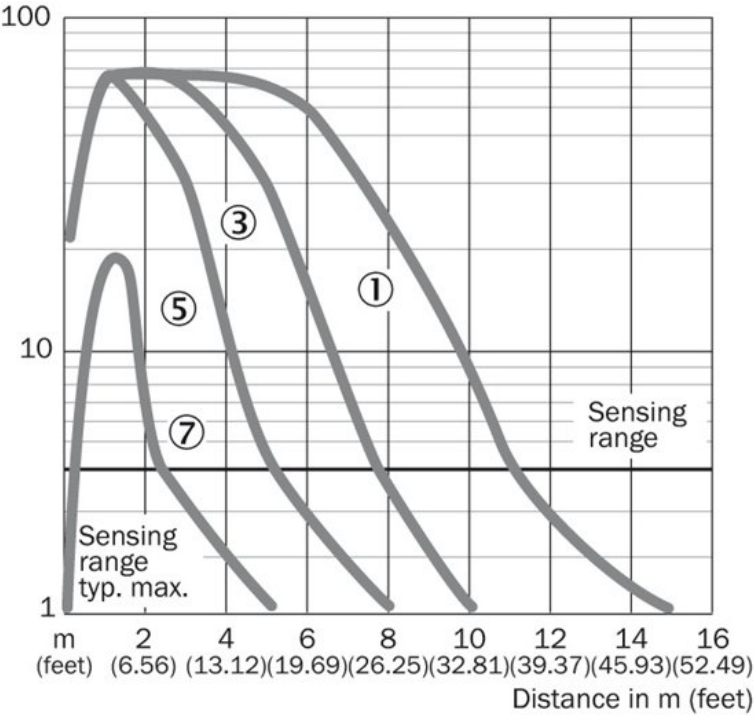


|7| Sensing range adjustment: potentiometer

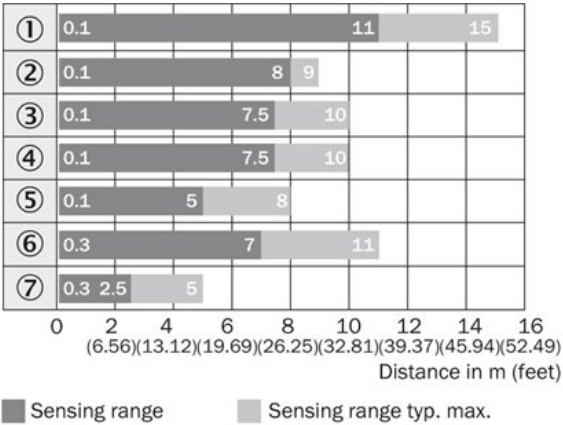
Connection diagram



Characteristic curve



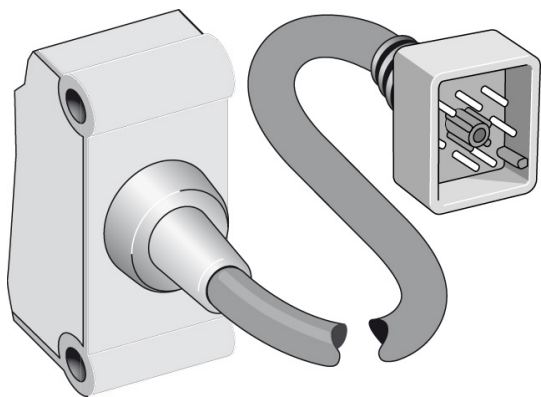
Sensing range diagram



Reflector type

- ① PL80A
- ② PL50A
- ③ PL40A
- ④ PL30A
- ⑤ PL20A
- ⑥ C110
- ⑦ Reflective tape Diamond Grade

Connection type



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