



Fotoprzełączniki W27-2 Laser, Fotoprzełącznik odbiciowy, Tłumienie tła

WT27L-2S830A



Nazwa modelu > **WT27L-2S830A**

Numer części > **1016359**



At a glance

- 2 mm diameter light spot at a distance of 400 mm
- Precise adjustable background suppression
- Visible red laser LED
- Sensing range adjustment via potentiometer
- UL approval

Your benefits

- Precise detection of very small parts up to a distance of 400 mm due to 2 mm light spot
- Highly visible red laser provides quick and easy alignment
- Durable design provides high resistance to vibration



Cechy

Zasada działania czujnika/Sposób detekcji:	Fotoprzełącznik odbiciowy, Tłumienie tła
Wymiary (Szer. x Wys. x Głęb.):	24,6 mm x 80 mm x 53,5 mm
Housing design (light emission):	Prostopadłościenna
Maks. strefa działania:	100 mm ... 800 mm ¹⁾
Sensing range:	100 mm ... 800 mm
Rodzaj światła:	Widzialne światło czerwone
Nadajnik światła:	Laser ²⁾
Klasa lasera:	2 (IEC 825), low power. Eyes normally protected by averting reaction and eyelid closing reflex
Light spot diameter (distance):	Ø 2 mm (400 mm)
Adjustment of operating distance:	Potentiometer

¹⁾ Obiekt odbijający 90% światła (standardowy biały zgodnie z normą DIN 5033) ²⁾ Average service life 50,000 h at T_a = +25 °C

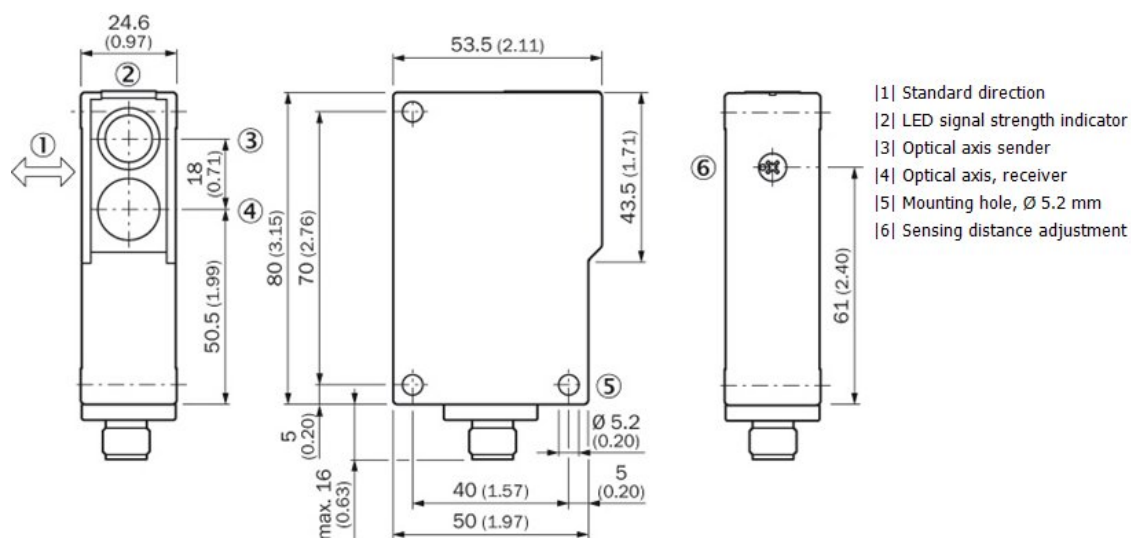
Mechanika/elektronika

Napięcie zasilania:	24 V AC/DC ... 240 V AC/DC ¹⁾
Pobór mocy:	< 2 VA
Wyjście przełączające:	Relay
Tryb przełączania:	Change-over contacts
Output characteristic:	Electrically isolated
Maks. prąd łączeniowy:	4 A (24 V DC), 4 A (240 V AC)
Czas reakcji:	< 6 ms ²⁾
Switching frequency:	10 Hz ³⁾

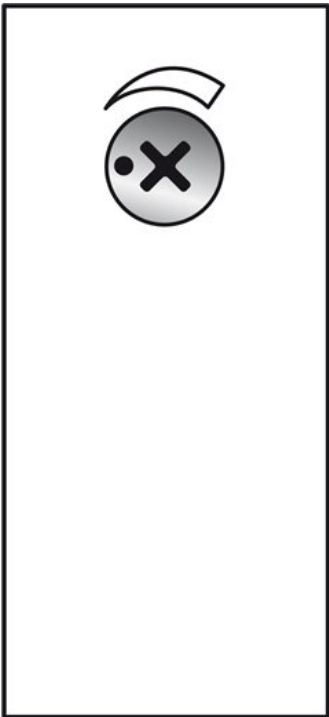
Sposób przyłączenia:	Mini connector 7/8", 5-pin
Układ zabezpieczenia::	A, C ^{4) 5)}
Klasa ochronności:	II ⁶⁾
Ciężar:	100 g
Special device:	✓
Tworzywo, obudowa:	ABS
Rodzaj zabezpieczenia:	IP 65
Ambient operating temperature:	-10 °C ... 45 °C
Ambient storage temperature:	-10 °C ... 75 °C
UL File-No.:	UL No. NRKH.E147756

1) + 10 %, -20 % 2) Signal transit time with resistive load 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

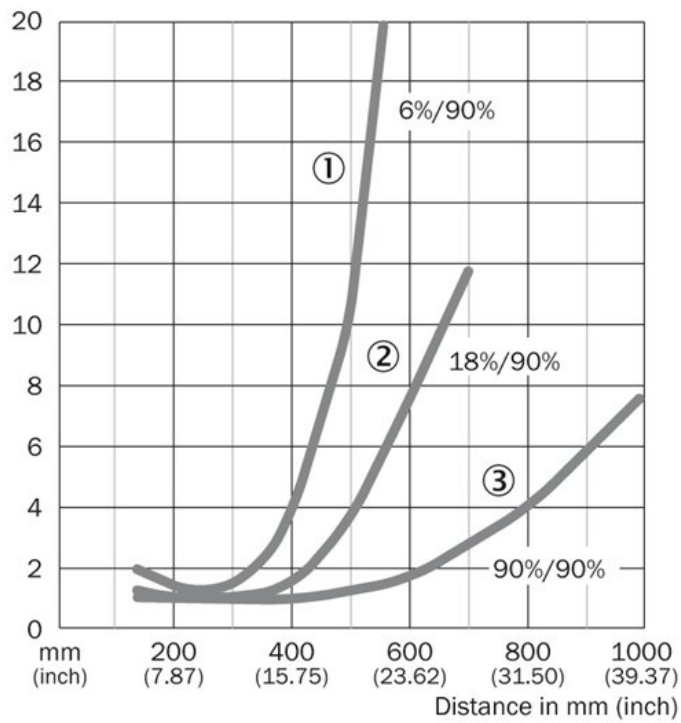
Dimensional drawing



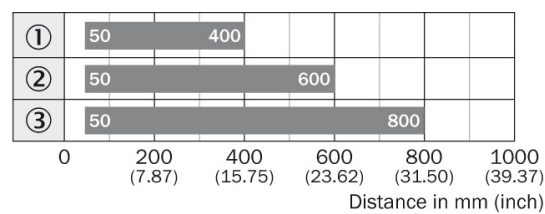
Adjustments possible



Characteristic curve



Sensing range diagram



■ Sensing range

- ① Sensing range on black, 6 % remission
- ② Sensing range on gray, 18 % remission
- ③ Sensing range on white, 90 % remission

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