



Fotoprzełączniki W45, Fotoprzełącznik odbiciowy, Tłumienie tła

WT45-R250



Nazwa modelu > **WT45-R250**

Numer części > **1009118**



Produkt może różnić się od ilustracji

At a glance

- Long background suppression sensing range
- Rugged metal housing
- Optional: Powerful front lens heating
- Optional test input and time delays
- Variants for 10 - 60 V DC or 24 - 240 V DC / 24 - 240 V AC voltage supply
- IR emitter

Your benefits

- Very large sensing distance
- Rugged metal housing ensures a long service life in harsh industrial environments
- Front lens heating prevents condensation for reliable operation in outdoor applications.
- Multiple functions for simpler integration of individual systems
- Variants DC voltage and universal AC/DC voltage provides installation flexibility due to same housing



Cechy

Zasada działania czujnika/Sposób detekcji:	Fotoprzełącznik odbiciowy, Tłumienie tła
Wymiary (Szer. x Wys. x Głęb.):	60 mm x 105 mm x 105 mm
Housing design (light emission):	Prostopadłościenna
Maks. strefa działania:	200 mm ... 2.000 mm ¹⁾
Sensing range:	200 mm ... 2.000 mm
Rodzaj światła:	Światło podczerwone
Nadajnik światła:	LED ²⁾
Typ czasu:	Time delay off, ON and OFF delay, Przełącznik z opóźniaczem
Czas opóźnienia:	Adjustable via time delay selector switch: 0,5 ... 12 s
Nastawa:	Potentiometer
Średnica plamki świetlnej (odległość):	Ø 35 mm (2.000 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

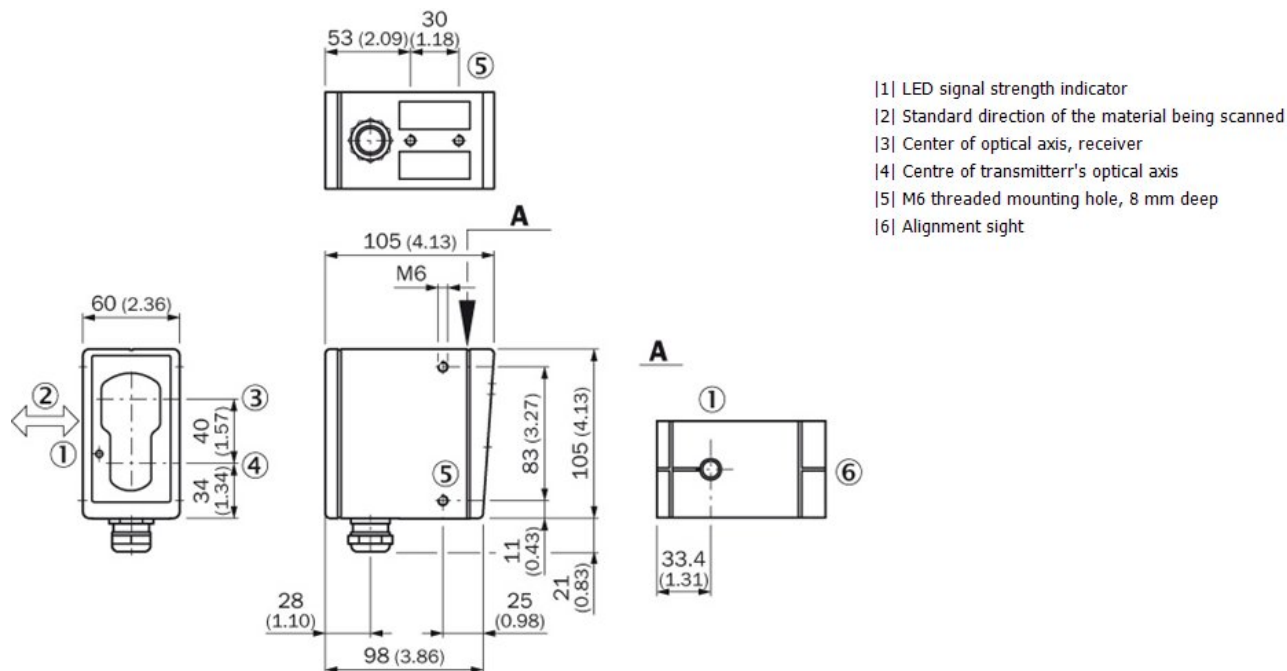
Mechanika/elektronika

Napięcie zasilania:	24 V AC/DC ... 240 V AC/DC ¹⁾
Pobór mocy:	≤ 6 VA
Wyjście przełączające:	Relay
Tryb przełączania:	Change-over contacts

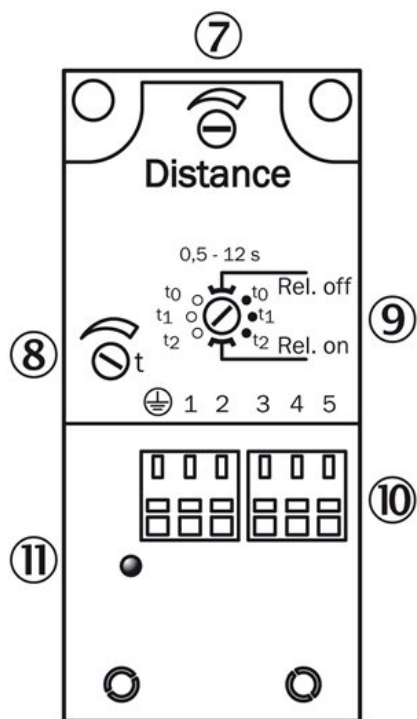
Tryb przełączania:	Przełączanie jasno/ciemno, wybierane ²⁾
Output characteristic:	Electrically isolated
Switching mode selector:	Light-/dark-switching selectable via time delay selector switch
Maks. prąd łączeniowy:	4 A (24 V DC), 4 A (240 V AC)
Czas reakcji:	≤ 20 ms
Switching frequency:	10 Hz ³⁾
Sposób przyłączenia:	Terminal connection with PG13,5, 6-pin
Układ zabezpieczenia::	A, C ^{4) 5)}
Klasa ochronności:	I
Ciężar:	800 g
Ogrzewanie przedniej szyby:	✓
Tworzywo, obudowa:	Metal
Rodzaj zabezpieczenia:	IP 67
Usage category:	AC-15, DC-13, According to EN 60947-1
Ambient operating temperature:	-25 °C ... 55 °C ⁶⁾
Ambient storage temperature:	-40 °C ... 70 °C
UL File No.:	NRKH.E181493 & NRKH7.E181493

1) +10 %, -25% ²⁾ Provide suitable spark supression 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⁾ Up to 140 °C with cooling plates (see accessories)

Dimensional drawing

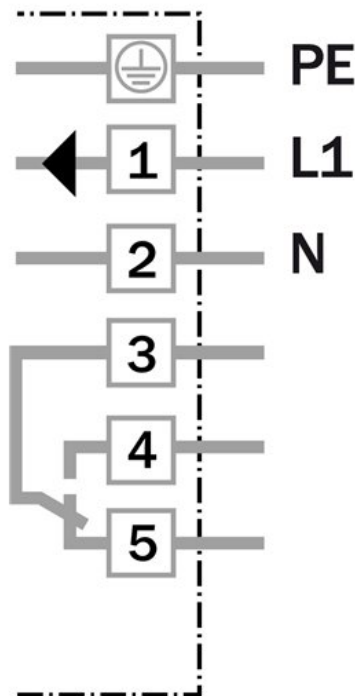


Adjustments possible

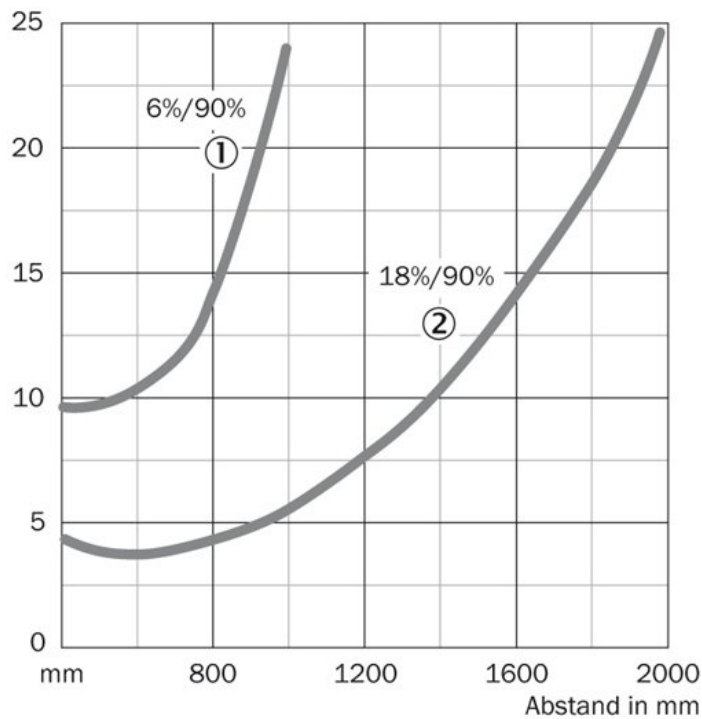


- |7| Sensing range adjustment
- |8| Time control
- |9| time delay selector switch
- |10| terminal strip
- |11| Status indicator

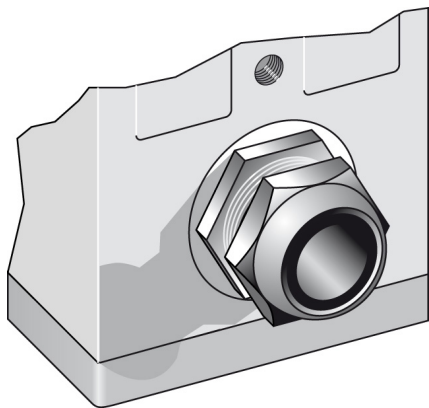
Connection diagram



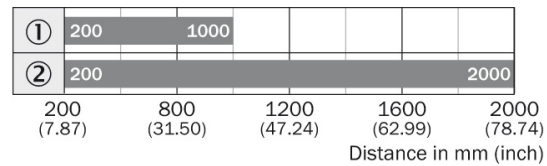
Characteristic curve



Connection type



Sensing range diagram



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

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