



Fotoprzełączniki W45, Fotoprzełącznik refleksyjny, Standard optics

WL45-R250



Nazwa modelu > **WL45-R250**

Numer części > **1008841**



Produkt może różnić się od ilustracji

At a glance

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

Your benefits

- A long, 55 m sensing range with a high operating reserve ensures reliable continuous operation
- 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
- Easy alignment due to visible red light



Cechy

Zasada działania czujnika/Sposób detekcji:	Fotoprzełącznik refleksyjny, Standard optics
Wymiary (Szer. x Wys. x Głęb.):	60 mm x 105 mm x 105 mm
Housing design (light emission):	Prostopadłościenna
Maks. strefa działania:	1 m ... 55 m ¹⁾
Sensing range:	1 m ... 45 m ²⁾
Rodzaj światła:	Widzialne światło czerwone
Nadajnik światła:	LED ³⁾
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 230 mm (16 m)

^{1) 2)} OP60-00 ³⁾ Average service life of 100,000 h at T_A = +25 °C

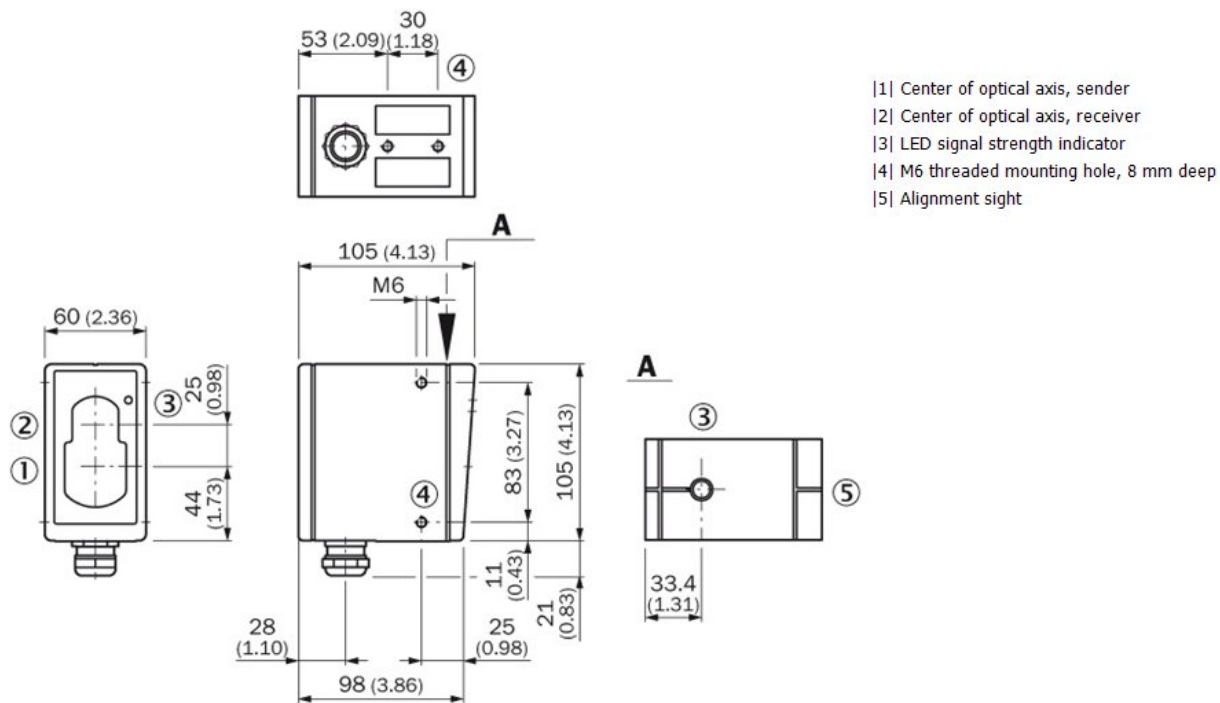
Mechanika/elektronika

Napięcie zasilania:	24 V AC/DC ... 240 V AC/DC ¹⁾
Pobór mocy:	≤ 6 VA
Wyjście przełączające:	Relay

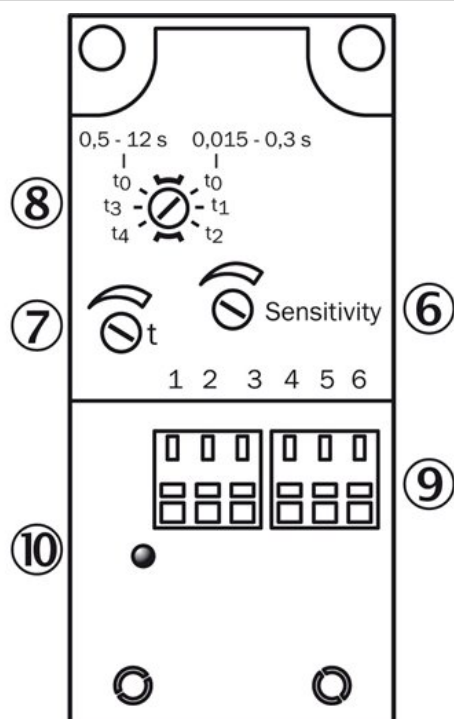
Tryb przełączania:	Change-over contacts
Tryb przełączania:	Przełączanie jasno/ciemno, wybierane ²⁾
Output characteristic:	Electrically isolated
Switching mode selector:	Light-/dark-switching selectable via time delay selector switch
Maks. prąd łączeniowy:	4 A (24 V DC), 4 A (240 V AC)
Czas reakcji:	≤ 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
Filtr polaryzacyjny:	✓
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

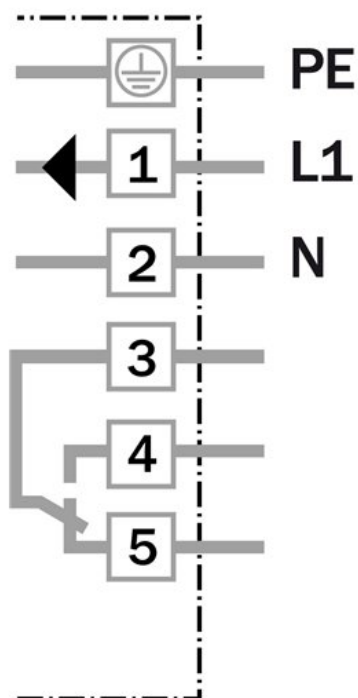


Adjustments possible

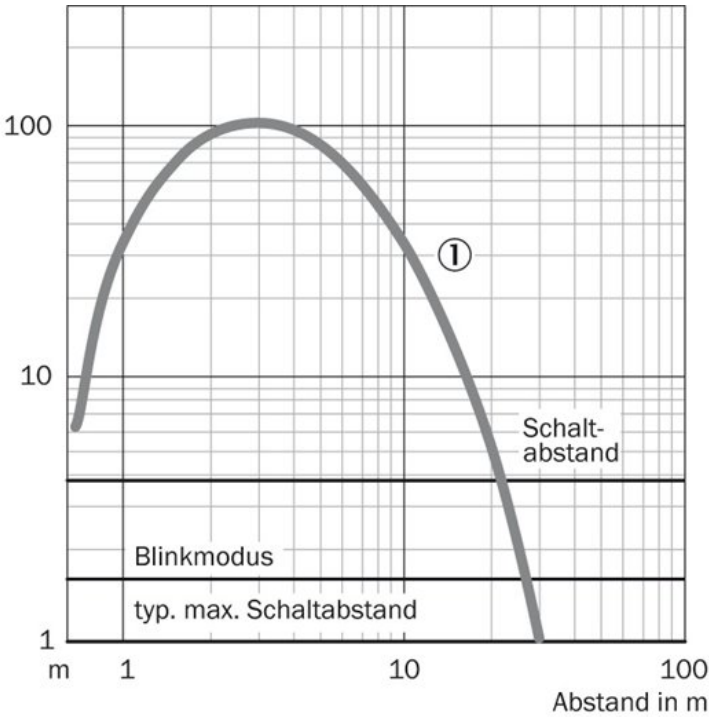


- |6| Sensitivity adjustment
- |7| Time control
- |8| time delay selector switch
- |9| terminal strip
- |10| Status indicator

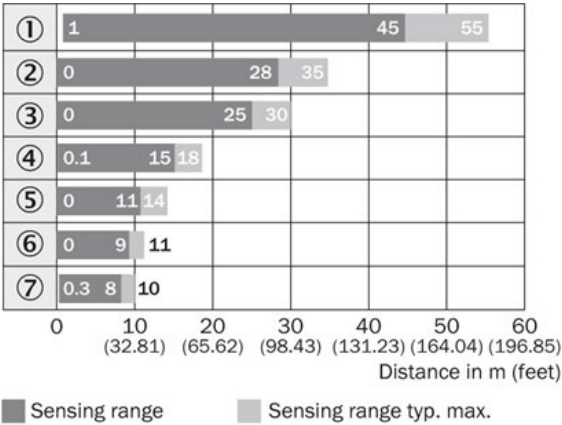
Connection diagram



Characteristic curve



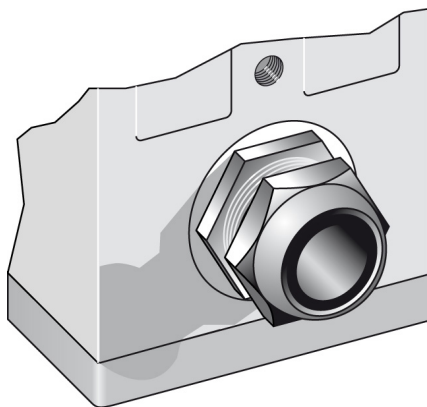
Sensing range diagram



Reflector type

- ① OP60 ... ∞
- ② 4 x PL80
- ③ PL80A
- ④ C110
- ⑤ PL50
- ⑥ PL30
- ⑦ Reflective tape Diamond Grade

Connection type



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