



Fotoprzełączniki W34, Fotoprzełącznik refleksyjny

WL34-R240



SICK
Sensor Intelligence.

Nazwa modelu > **WL34-R240**

Numer części > **1019250**



Produkt może różnić się od ilustracji

At a glance

- High operating reserve at a long range
- Switch selectable PNP or NPN output
- and light/dark switching
- Versions with DC voltage (10...30V) or universal AC/DC voltage (12 ... 240 V DC / 24 ... 240 V AC)
- Optional test input, adjustable ON and OFF time delays, alarm output
- M12 or terminal chamber connection: 90° rotatable
- UL approval

Your benefits

- High operating reserve at a long range minimizes downtime
- Alarm output provides early warning that maintenance may be needed
- Test input allows users to validate that the sensor is operating as expected
- The sensor cover protects configuration components against environmental hazards
- Adjustable time delay, alarm output, test input, and universal AC/DC voltage provide additional flexibility and reduce the number of part numbers needed



Cechy

Wymiary (Szer. x Wys. x Głęb.):	27 mm x 92 mm x 70 mm
Maks. strefa działania:	0,03 m ... 22 m ¹⁾
Sensing range:	0,03 m ... 22 m ²⁾
Housing desig (light emission):	Prostopadłościenna
Nadajnik światła:	LED ³⁾
Rodzaj światła:	widzialne światło czerwone
Długość fali:	660 nm
Nastawienie czułości:	Potentiometer
Czas opóźnienia:	Adjustable via time delay selector switch: 0,5 ... 10 s
Typ czasu:	Time delay off switch on delay adjustable
Zasada działania czujnika/Sposób detekcji:	Fotoprzełącznik refleksyjny
Light spot (distance):	250 mm (15 m)

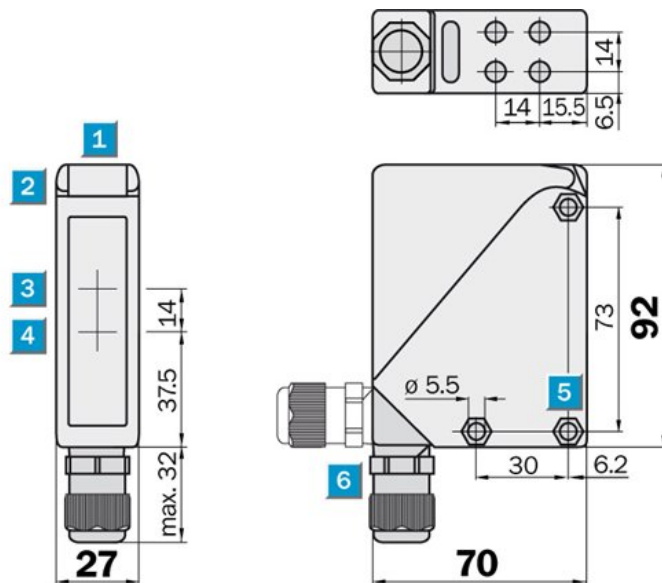
^{1) 2)} PL80A ³⁾ Average service life 100,000 h at Ta = +25 °C

Mechanika/elektronika

Rodzaj zabezpieczenia:	IP 67
Napięcie zasilania::	12 V DC ... 240 V DC 24 ... 240 V AC ^{1) 2)}
Wyjście przełączające:	Relay, light switching, selectable via light/dark selector, change-over contacts, electrically isolated ³⁾ Dark-switching
Czas reakcji:	≤ 10 ms
Switching frequency:	10 Hz ⁴⁾
Typ połączenia:	Terminal connection with M16 gland ⁵⁾
Klasa ochronności:	II ⁶⁾
Układ zabezpieczenia::	A C ⁸⁾
Ciężar:	140 g
Tworzywo, obudowa:	ABS
Ambient temperature, operation:	-40 °C ... 60 °C
Ambient temperature, storage:	-40 °C ... 75 °C
Filtr polaryzacyjny:	✓
Pobór mocy:	< 2 VA
Maks. prąd łączeniowy:	4 A (250 V AC) 4 A (24 V DC)
Usage category:	AC-15, DC-13, according to EN 60947-1

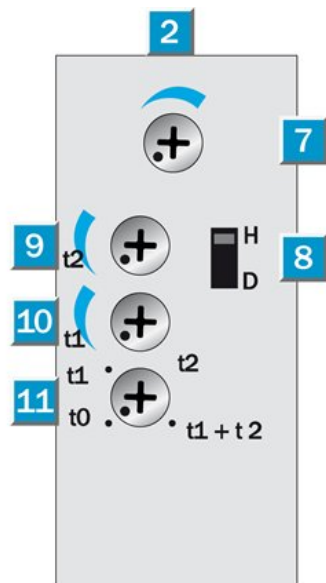
1) Limit values 2) ±10 % 3) Provide suitable spark suppression for inductive or capacitive loads 4) With light/dark ratio 1:1 5) Connection rotatable by 90° 6) Rated voltage 250 V AC/DC 7) A = V_S connections reverse-polarity protected 8) C = interference suppression

Dimensional drawing



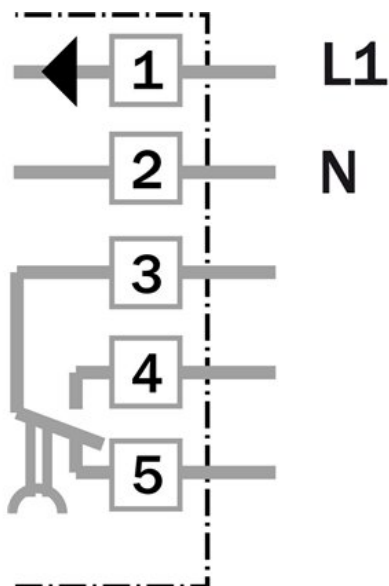
- [1] Alignment sight
- [2] LED signal strength indicator
- [3] Center of optical axis, sender
- [4] Center of optical axis, receiver
- [5] Mounting hole $\varnothing$ 5.5 mm,
for M5 hexagon nuts on both sides
- [6] M16 screw fixing rotatable by 90°

Einstell-Möglichkeiten

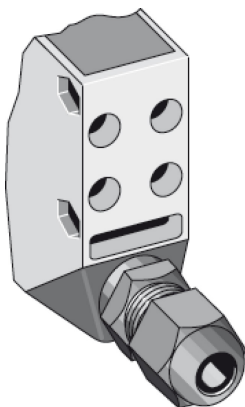


- |2| LED signal strength indicator
- |7| Sensitivity adjustment
- |8| Light/ dark selector
- |9| Time control t2=OFF-delay
- |10| Time control t1=ON-delay
- |11| time delay selector switch

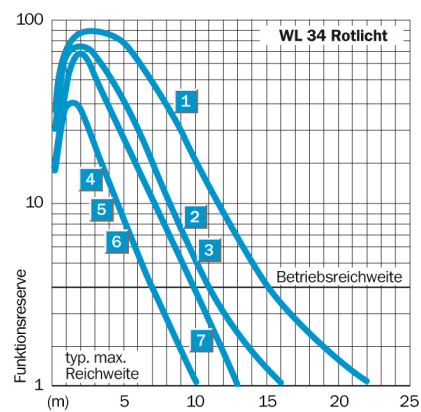
Connection diagram



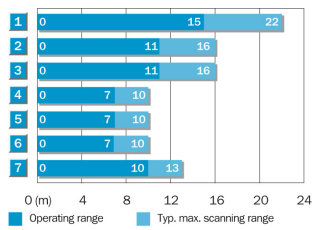
Connection type



Characteristic curve



Sensing range diagram



Reflector type	Operating range
1 PL 80 A	0 to 15 m
2 PL 50 A	0 to 11 m
3 PL 40 A	0 to 11 m
4 PL 30 A	0 to 7 m
5 PL 20 A	0 to 7 m
6 Diamond Grade (20 cm x 20 cm)	0 to 7 m
7 C 110	0 to 10 m

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