



Fotoprzełączniki W34, Fotoprzełącznik refleksyjny

WL34-B430



Nazwa modelu > **WL34-B430**

Numer części > **1019245**



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
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

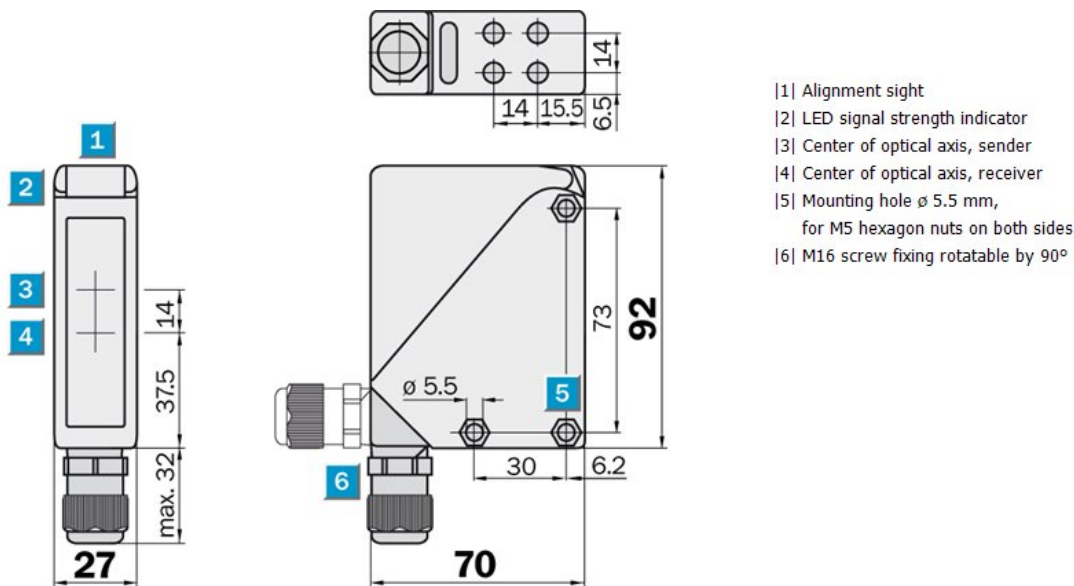
Mechanika/elektronika

Rodzaj zabezpieczenia:	IP 67
Napięcie zasilania:	10 V DC ... 30 V DC
Tętnienia resztkowe:	< 5 Vss ²⁾

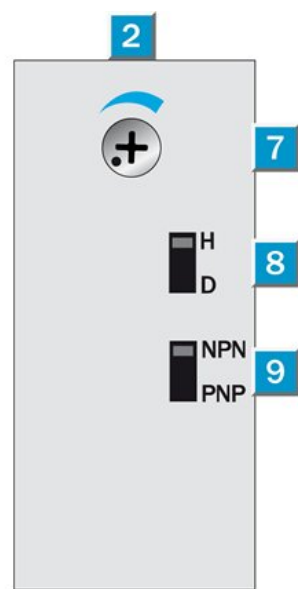
Pobór prądu:	≤ 50 mA
Wyjście przełączające:	NPN, light switching, selectable via PNP/NPN selector PNP, Dark-switching, selectable via light/dark selector
Output current I _{max} ..	100 mA
Czas reakcji:	≤ 500 μs ³⁾
Switching frequency:	1.000 Hz ⁴⁾
Typ połączenia:	Wtyk M12, 4-pinowe ⁵⁾
Klasa ochronności:	II ⁶⁾
Układ zabezpieczenia:::	A C 7) 8) 9) D
Ciężar:	140 g
Tworzywo, obudowa:	ABS
Ambient temperature, operation:	-40 °C ... 60 °C
Ambient temperature, storage:	-40 °C ... 75 °C
Wejście testowe, nadajnik wyłączony:	TE to 0 V
Filtr polaryzacyjny:	✓

¹⁾ Limit values ²⁾ May not exceed or fall short of V_S ³⁾ Signal transit time with resistive load ⁴⁾ With light/dark ratio 1:1 ⁵⁾ Connection rotatable by 90° ⁶⁾ Reference voltage 50 V DC ⁷⁾ A = V_S connections reverse-polarity protected ⁸⁾ C = interference suppression ⁹⁾ D = outputs overcurrent and short-circuit protected

Dimensional drawing

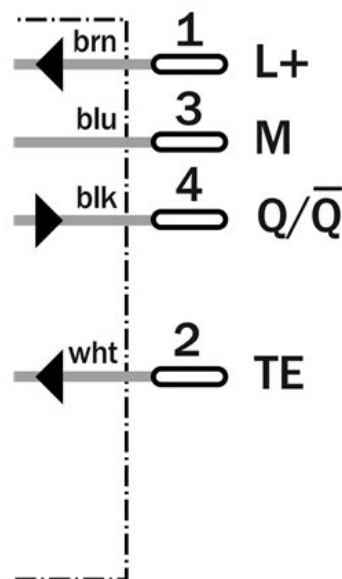


Einstell-Möglichkeiten

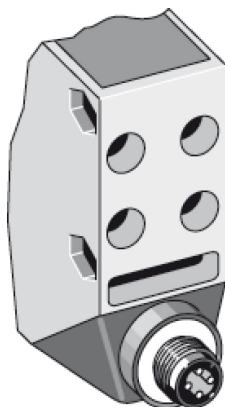


- |2| LED signal strength indicator
- |7| Sensitivity adjustment
- |8| Light/ dark selector
- |9| NPN/ PNP selector

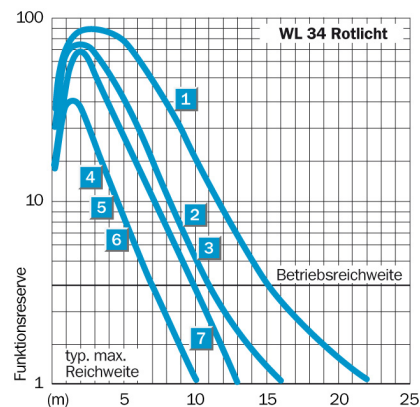
Connection diagram



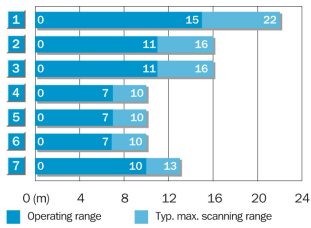
Connection type



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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