



Fotoprzełączniki W34, Fotoprzełącznik barierowy

WS/WE34-V230



Nazwa modelu > **WS/WE34-V230**

Numer części > **1019253**



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

Zasada działania czujnika/Sposób detekcji:	Fotoprzełącznik barierowy
Wymiary (Szer. x Wys. x Głęb.):	27 mm x 92 mm x 70 mm
Housing design (light emission):	Prostopadłościenna
Maks. strefa działania:	0 m ... 60 m
Sensing range:	0 m ... 60 m
Rodzaj światła:	Widzialne światło czerwone
Nadajnik światła:	LED ¹⁾
Długość fali:	660 nm
Nastawienie czułości:	Potentiometer
Kąt promieniowania:	Ca. 1 °
Średnica plamki świetlnej (odległość):	Ø 700 mm (50 m)

¹⁾ Average service life 100,000 h at Ta = +25 °C

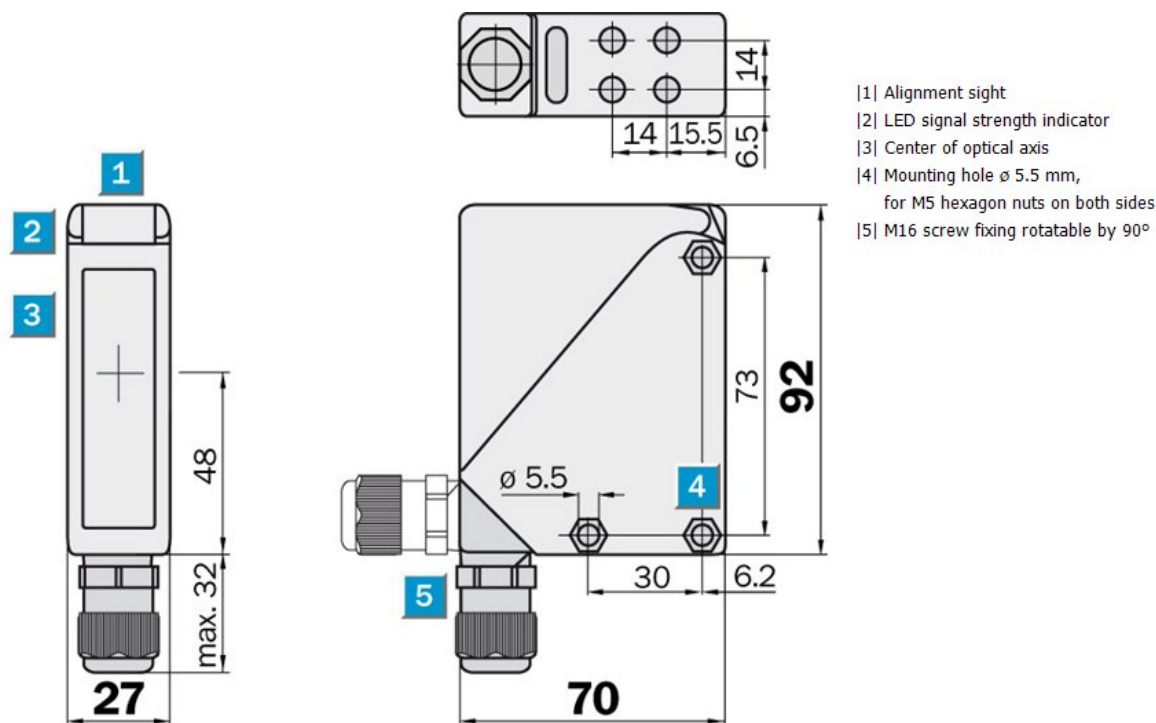
Mechanika/elektronika

Napięcie zasilania:	10 V DC ... 30 V DC ¹⁾
Tętnienia resztkowe:	< 5 Vss ²⁾
Pobór prądu, nadajnik:	50 mA

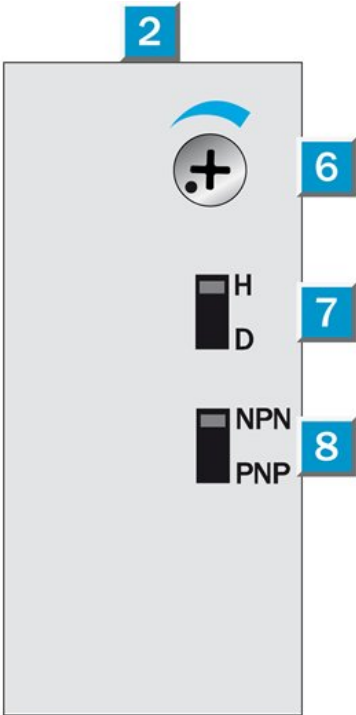
Pobór prądu, odbiornik:	40 mA
Wyjście przełączające:	NPN, PNP
Tryb przełączania:	Dark-switching, Przełączanie na jasnym
Switching mode selector:	Selectable via light/dark selector, Selectable via PNP/NPN selector
Output current I _{max} :	100 mA
Czas reakcji:	≤ 500 μs ³⁾
Switching frequency:	1.000 Hz ⁴⁾
Kąt odbioru:	Ca. 2,5 °
Sposób przyłączenia:	Terminal connection with M16 gland ⁵⁾
Układ zabezpieczenia:::	A, C, D ⁶⁾ ⁷⁾ ⁸⁾
Klasa ochronności:	II ⁹⁾
Ciężar:	280 g
Special device:	-
Tworzywo, obudowa:	ABS, Tworzywo sztuczne
Rodzaj zabezpieczenia:	IP 67
Wejście testowe, nadajnik wyłączony:	TE to 0 V
Ambient operating temperature:	-40 °C ... 60 °C
Ambient storage temperature:	-40 °C ... 75 °C
UL File-No.:	UL No. NRKH.E181493 & cUL No. NRKH7.E181493
Part number of individual components:	Receiver, WE34-V230, 2022809, Sender, WS34-D230, 2022817

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) $A = V_S$
connections reverse-polarity protected 7) C = interference suppression 8) D = outputs overcurrent and short-circuit protected 9) Reference voltage 50 V DC

Dimensional drawing



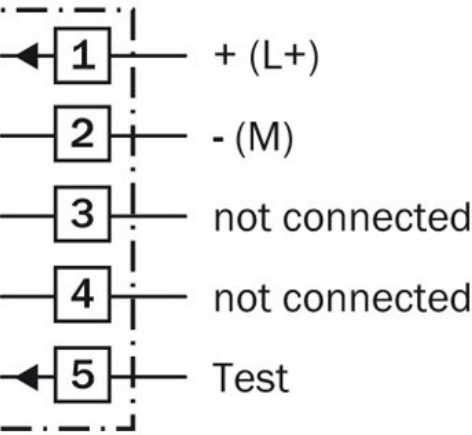
Adjustments possible



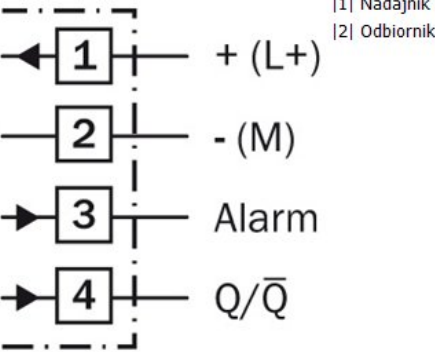
- |2| LED signal strength indicator
- |6| Sensitivity adjustment
- |7| Light/dark selector

Connection diagram

①

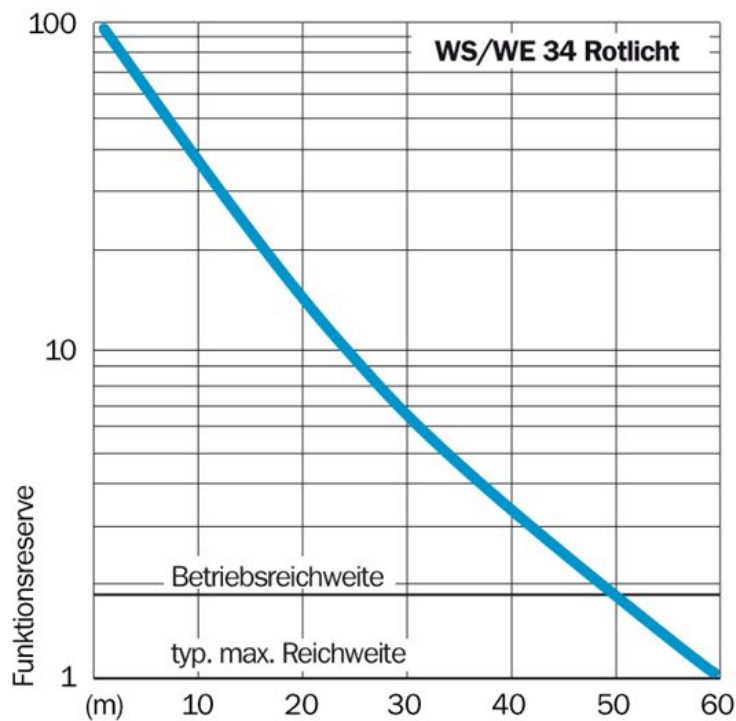


②

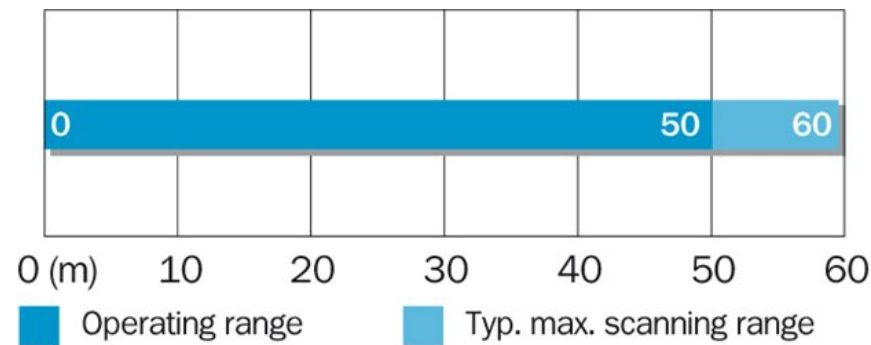


- |1| Nadajnik
- |2| Odbiornik

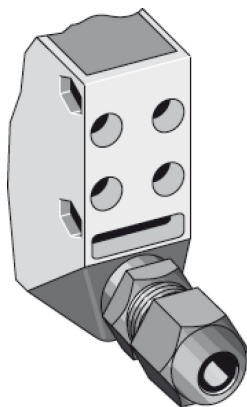
Characteristic curve



Sensing range diagram



Connection type



Australia

Phone +61 3 9457 0600
1800 334 802 – tollfree
E-Mail sales@sick.com.au

Belgium/Luxembourg

Phone +32 (0)2 466 55 66
E-Mail info@sick.be

Brasil

Phone +55 11 3215-4900
E-Mail sac@sick.com.br

Canada

Phone +1 905 771 14 44
E-Mail information@sick.com

Ceská Republika

Phone +420 2 57 91 18 50
E-Mail sick@sick.cz

China

Phone +86 4000 121 000
E-Mail info.china@sick.net.cn
Phone +852-2153 6300
E-Mail ghk@sick.com.hk

Danmark

Phone +45 45 82 64 00
E-Mail sick@sick.dk

Deutschland

Phone +49 211 5301-301
E-Mail kundenservice@sick.de

España

Phone +34 93 480 31 00
E-Mail info@sick.es

France

Phone +33 1 64 62 35 00
E-Mail info@sick.fr

Great Britain

Phone +44 (0)1727 831121
E-Mail info@sick.co.uk

India

Phone +91-22-4033 8333
E-Mail info@sick-india.com

Israel

Phone +972-4-6801000
E-Mail info@sick-sensors.com

Italia

Phone +39 02 27 43 41
E-Mail info@sick.it

Japan

Phone +81 (0)3 3358 1341
E-Mail support@sick.jp

Magyarország

Phone +36 1 371 2680
E-Mail office@sick.hu

Nederlands

Phone +31 (0)30 229 25 44
E-Mail info@sick.nl

Norge

Phone +47 67 81 50 00
E-Mail austefjord@sick.no

Österreich

Phone +43 (0)22 36 62 28 8-0
E-Mail office@sick.at

Polska

Phone +48 22 837 40 50
E-Mail info@sick.pl

România

Phone +40 356 171 120
E-Mail office@sick.ro

Russia

Phone +7-495-775-05-30
E-Mail info@sick.ru

Schweiz

Phone +41 41 619 29 39
E-Mail contact@sick.ch

Singapore

Phone +65 6744 3732
E-Mail admin@sicksgp.com.sg

Slovenija

Phone +386 (0)1-47 69 990
E-Mail office@sick.si

South Africa

Phone +27 11 472 3733
E-Mail info@sickautomation.co.za

South Korea

Phone +82 2 786 6321/4
E-Mail info@sickkorea.net

Suomi

Phone +358-9-25 15 800
E-Mail sick@sick.fi

Sverige

Phone +46 10 110 10 00
E-Mail info@sick.se

Taiwan

Phone +886-2-2375-6288
E-Mail sales@sick.com.tw

Türkiye

Phone +90 (216) 528 50 00
E-Mail info@sick.com.tr

United Arab Emirates

Phone +971 (0) 4 8865 878
E-Mail info@sick.ae

USA/México

Phone +1(952) 941-6780
1 800-325-7425 – tollfree
E-Mail info@sickusa.com

More representatives and agencies
at www.sick.com