



Fotoprzełączniki W18-3 Ex, Fotoprzełącznik odbiciowy, Tłumienie tła

WT18X-3P920S14



Nazwa modelu > **WT18X-3P920S14**

Numer części > **1029584**



Produkt może różnić się od ilustracji

At a glance

- Best-in-class optical performance due to superior OES3 technology
- Background suppression with second sender LED
- Slim, durable plastic housing
- Sensors meet requirements of category 3G/3D

Your benefits

- Reliable object detection due to best-in-class background suppression and ambient light immunity
- Reliable use in potentially explosive atmospheres
- High availability in the field
- Quick and easy installation using SICK accessories saves time



Cechy

Zasada działania czujnika/Sposób detekcji:	Fotoprzełącznik odbiciowy, Tłumienie tła
Wymiary (Szer. x Wys. x Głęb.):	17,6 mm x 75,5 mm x 33,5 mm
Housing design (light emission):	Prostopadłościenna
Maks. strefa działania:	10 mm ... 1.000 mm ¹⁾
Sensing range:	50 mm ... 1.000 mm ²⁾
Rodzaj światła:	Światło podczerwone
Nadajnik światła:	LED ³⁾
Długość fali:	870 nm
Nastawa:	Potencjometr, 4 obrotów
Średnica plamki świetlnej (odległość):	Ø 30 mm (600 mm)
Continuous threshold adaption:	-

^{1) 2)} Obiekt odbijający 90% światła (standardowy biały zgodnie z normą DIN 5033) ³⁾ Average service life of 100,000 h at T_A = +25 °C

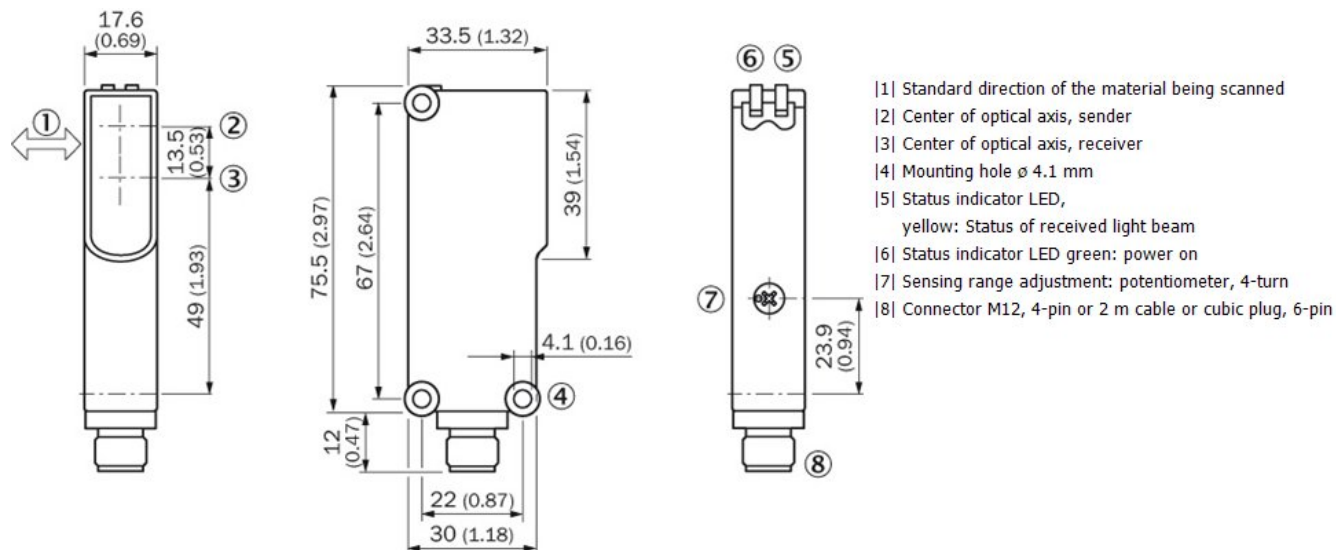
Mechanika/elektronika

Napięcie zasilania:	10 V DC ... 30 V DC ¹⁾
Current consumption:	55 mA ²⁾
Wyjście przełączające:	PNP
Tryb przełączania:	Przełączanie jasno/ciemno, wybierane
Output current I _{max} :	100 mA
Czas reakcji:	< 700 µs ³⁾
Switching frequency:	± 700 Hz ⁴⁾
Sposób przyłączenia:	Cable with connector M12, 4-pin, 0,29 m ⁵⁾

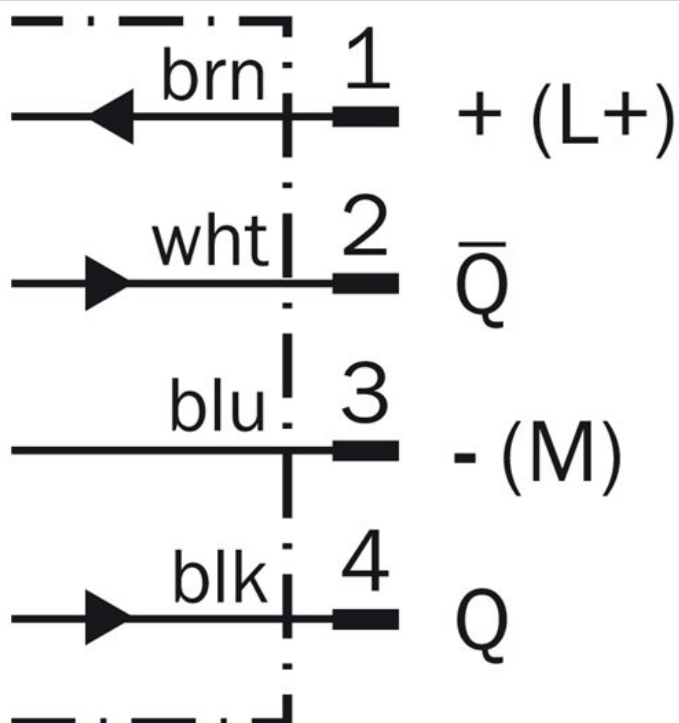
Cable material:	PVC
Układ zabezpieczenia:::	A, C, D ⁶⁾ ⁷⁾ ⁸⁾
Ciężar:	70 g
Special device:	✓
Tworzywo, obudowa:	ABS, Tworzywo sztuczne
Tworzywo, układ optyczny:	PMMA
Rodzaj zabezpieczenia:	IP 67
Oznakowanie strefy zagrożonej (ATEX):	EX II 3G EEx nA II T4 ⁹⁾ EX II 3D IP67 T70 °C
Kategoria strefy zagrożonej:	3D, 3G
Ambient operating temperature:	-40 °C ... 60 °C
Ambient storage temperature:	-40 °C ... 75 °C

1) Limit values, operation in short-circuit protected network max. 8 A 2) Bez obciążenia 3) Signal transit time with resistive load 4) With light/dark ratio 1:1 5) Do not bend below 0 °C 6) $A = V_S$ connections reverse-polarity protected 7) C = interference suppression 8) D = outputs overcurrent and short-circuit protected 9) To validate this protection class, the completeness of the protective housing has to be verified prior to commissioning and, if necessary, the protective housing has to be attached and installed by the operator.

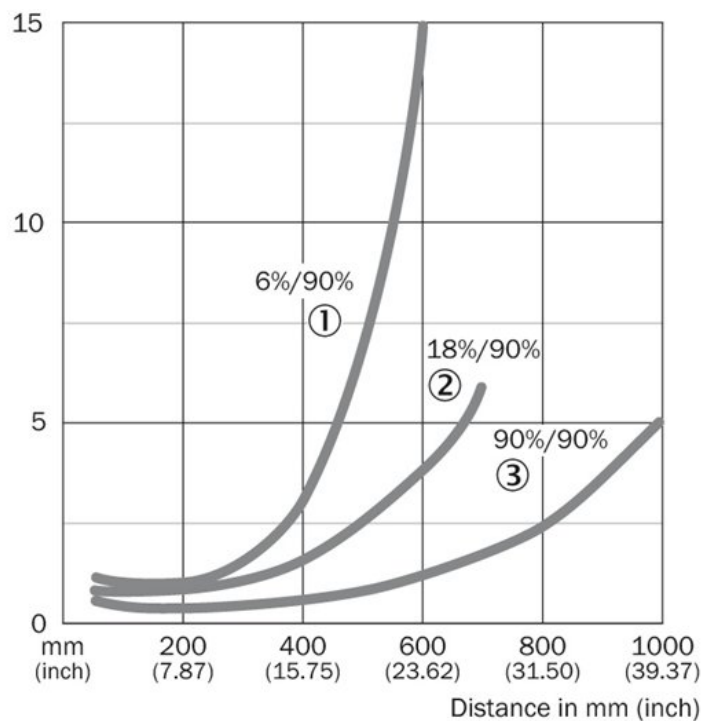
Dimensional drawing



Connection diagram

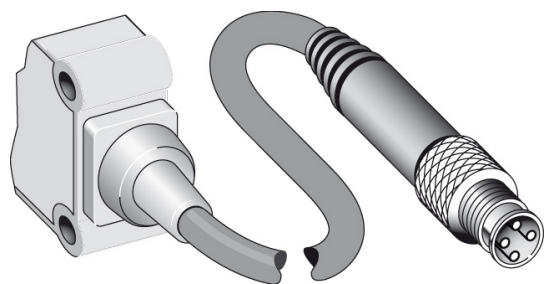


Characteristic curve

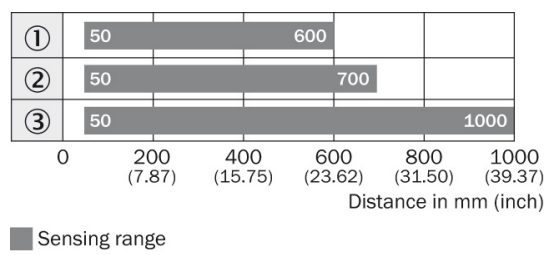


- [1] Sensing range on black, 6 % remission
- [2] Sensing range on grey, 18 % remission
- [3] Sensing range on white, 90 % remission

Connection type



Sensing range diagram



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