



Indukcyjne czujniki zbliżeniowe Cylindrical threaded housing, IM05

IM05-OB8NS-ZW1



Nazwa modelu > **IM05-0B8NS-ZW1**

Numer części > **6020155**



At a glance

- Operating distance up to 1,5 mm
- Small housing sizes and low weight
- Integrated LED indicator and snubber circuit
- Rugged stainless steel housing
- Thread sizes M5 available

Your benefits

- Trouble-free installation in space-critical applications provides a high degree of design freedom, saving machine space
- Reliable detection of rapid handling and assembly processes increases throughput
- High-visibility indicator LED for simple monitoring of operational state reduces commissioning time
- High positioning accuracy increases machine throughput
- High resistance to shock and vibrations reduces maintenance costs



Cechy

Budowa:	Cylindryczna
Wymiar gwintu:	M5 x 0,5
Sensing range Sn:	0,8 mm
Assured sensing range Sa:	0,648 mm
Instalacja w metalu:	Zabudowana
Częstotliwość przełączania:	5.000 Hz
Wyjście przełączające:	NPN
Output function:	NO
Electrical wiring:	DC 3-wire
Rodzaj zabezpieczenia:	IP 67 ¹⁾
Sposób przyłączenia:	Cable, 3-wire, 2 m

¹⁾ According to EN 60529

Mechanika/elektronika

Napięcie zasilania:	10 V DC ... 30 V DC
Tętnienia resztkowe:	≤ 20 % ¹⁾
Spadek napięcia:	≤ 2 V ²⁾
Pobór prądu:	≤ 10 mA ³⁾

Czas osiągnięcia dostępności:	≤ 10 ms
Histeresa:	1 % ... 10 %
Odtwarzalność::	≤ 1,5 % ⁴⁾
Przesunięcie cieplne (Sr):	≤ 10 %
Kompatybilność elektromagnetyczna::	Zgodna z EN 60947-5-2
Output current Ia:	≤ 200 mA
Cable material:	PVC
Conductor cross-section:	0,14 mm ²
Cable diameter:	3,5 mm
Zabezpieczenie przed zwarciami:	✓
Zabezpieczenie przed zmianą biegunowości:	✓
Power-up pulse protection:	-
Shock and vibration resistance:	30 g, 11 ms/10 ... 55 Hz, 1 mm
Ambient operating temperature:	-25 °C ... +70 °C
Tworzywo, obudowa:	Stainless steel, Stainless steel
Tworzywo, obudowa:	Tworzywo sztuczne, PA 66
Długość obudowy:	25 mm
Thread length:	20 mm
Moment dokręcania:	≤ 1,5 Nm

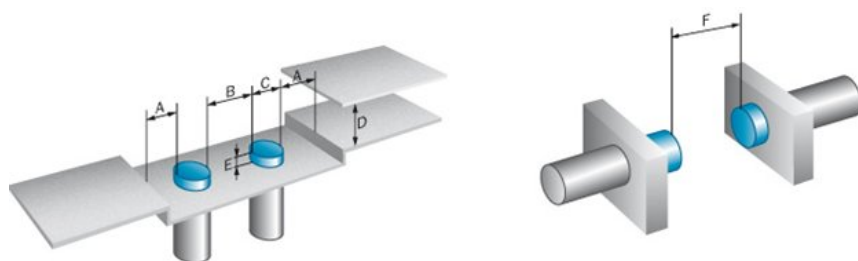
¹⁾ Of V ²⁾ With Ia = 200 mA ³⁾ Bez obciążenia ⁴⁾ Ub = 20 V DC ... 30 V DC, Ta = 23 °C ± 5 °C

Współczynniki redukcyjne

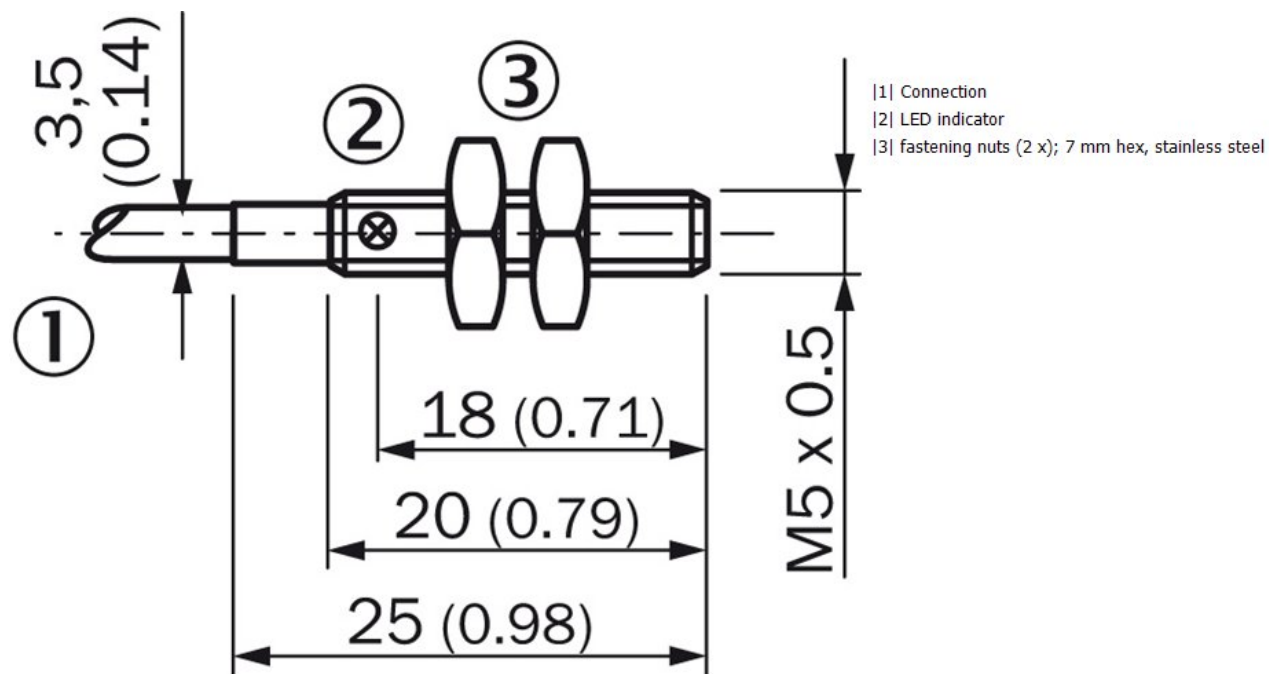
Uwaga:	The values are reference values which may vary
Stainless steel (V2A, 304):	Ca. 0,8
Copper (Cu):	Ca. 0,45
Aluminum (Al):	Ca. 0,5
Brass (Br):	Ca. 0,55

Instrukcje określające

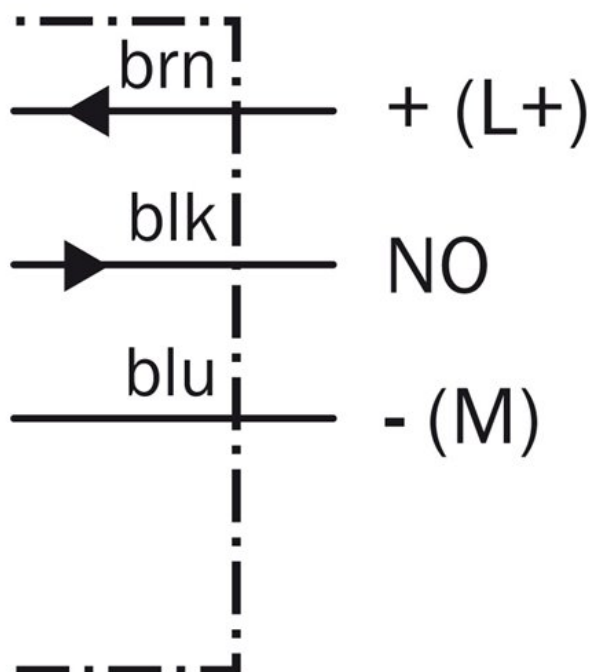
A:	0,8 mm
B:	0 mm
C:	5 mm
D:	2,4 mm
E:	0 mm
F:	7 mm
Uwaga:	Associated graphic see "Installation"



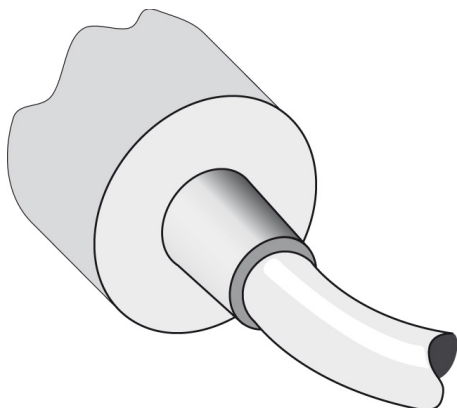
Rysunek techniczny



Connection diagram



Connection type



Australia

Phone +61 3 9457 0600
1800 33 48 02 – 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 marketing@sick.com.br

Canada

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

Česká 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 info@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 +972-4-6881000
E-Mail info@sick-sensors.com

Italia

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

Japan

Phone +81 (0)3 5309 2112
E-Mail support@sick.jp

Magyarország

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

Nederland

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

Norge

Phone +47 67 81 50 00
E-Mail sick@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 sales.gsg@sick.com

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 88 65 878
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