



Indukcyjne czujniki zbliżeniowe Cylindrical threaded housing, IM05

IM05-1B5NSVU2S



Nazwa modelu > **IM05-1B5NSVU2S**

Numer części > **6049733**



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:	1,5 mm
Assured sensing range Sa:	1,215 mm
Instalacja w metalu:	Zabudowana
Częstotliwość przełączania:	3.000 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:	≤ 2 % ⁴⁾
Przesunięcie cieplne (Sr):	≤ 10 %
Kompatybilność elektromagnetyczna:	Zgodna z EN 60947-5-2
Output current I _a :	≤ 200 mA
Cable material:	PUR
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
Tworzywo, obudowa:	Tworzywo sztuczne, PA 66
Długość obudowy:	25 mm
Thread length:	20 mm
Moment dokręcania:	≤ 1,8 Nm

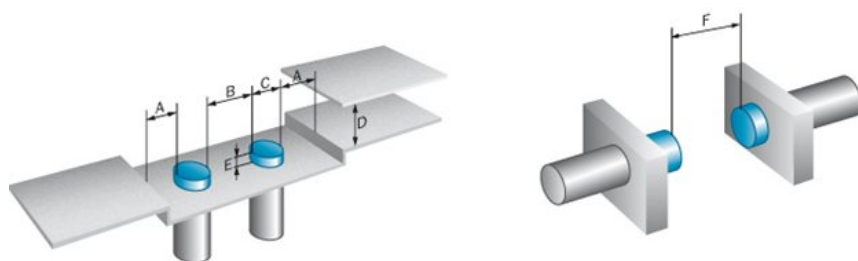
¹⁾ Of V_S ²⁾ With I_a = 200 mA ³⁾ Bez obciążenia ⁴⁾ U_b = 20 V DC ... 30 V DC, T_a = 23 °C ± 5 °C

Współczynniki redukcyjne

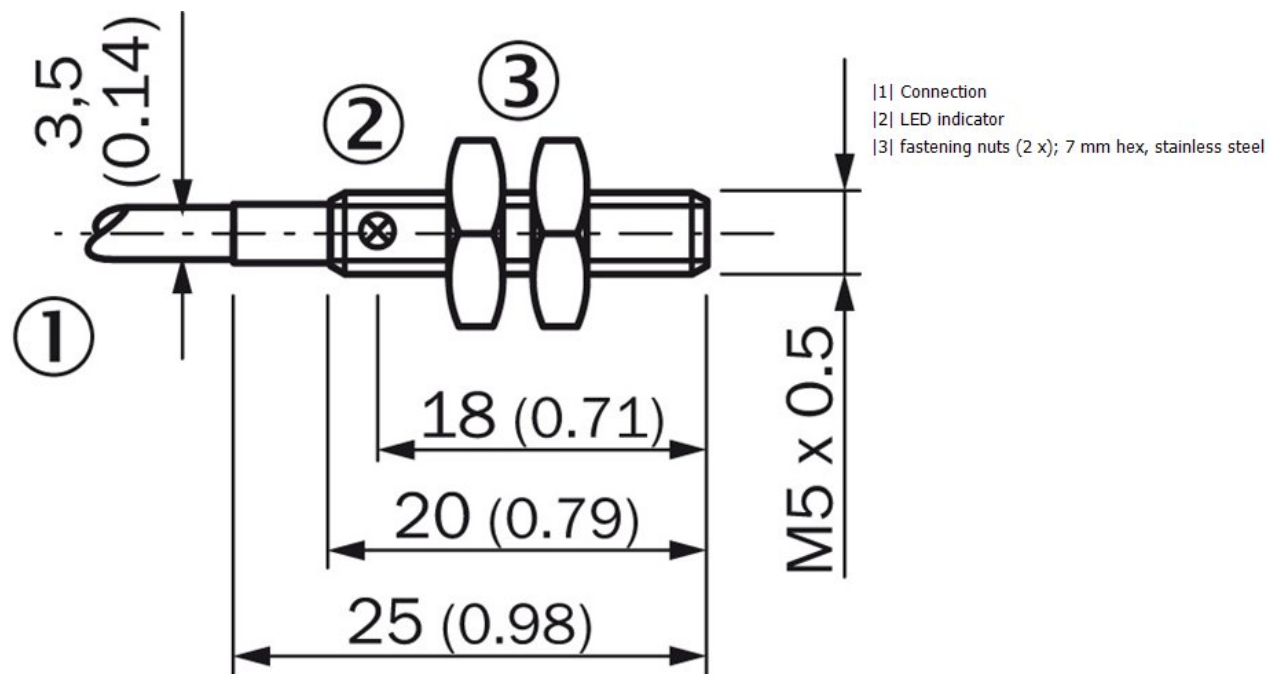
Uwaga:	The values are reference values which may vary
Stainless steel (V2A, 304):	Ca. 0,75
Copper (Cu):	Ca. 0,4
Aluminum (Al):	Ca. 0,4
Brass (Br):	Ca. 0,5

Instrukcje określające

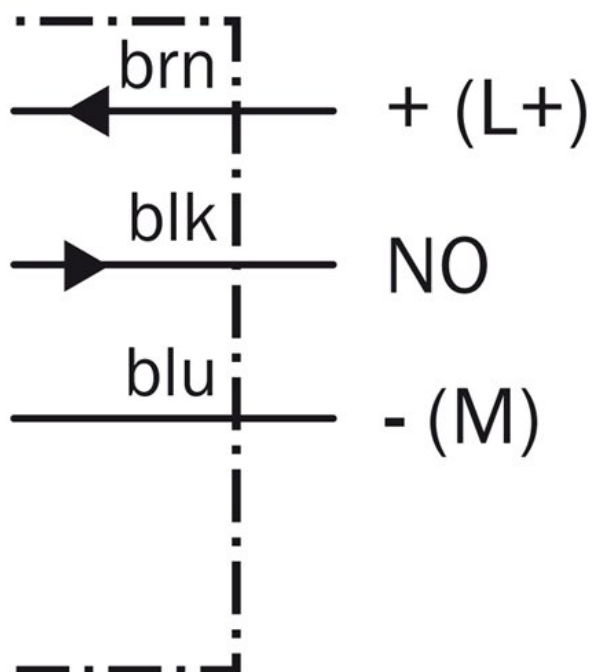
E:	0 mm
Uwaga:	Associated graphic see "Installation"



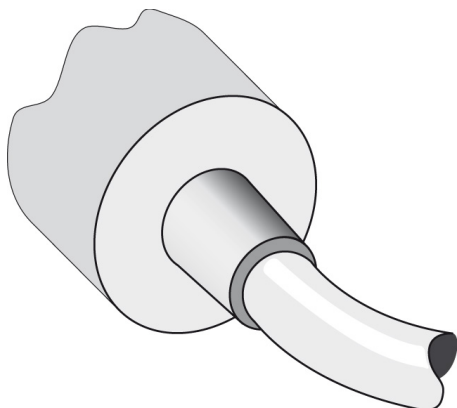
Rysunek techniczny



Connection diagram



Connection type



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