



Indukcyjne czujniki zbliżeniowe Cylindrical threaded housing, IM12

IM12-06BNS-NC1



Nazwa modelu > **IM12-06BNS-NC1**

Numer części > **6027573**



At a glance

- Stainless steel housing (316L/1.4404)
- Extremely watertight (IP 68/IP 69K)
- Triple sensing distance
- High resistance to mechanical stress
- Watertight housing suitable for use in hygienic and wash down areas
- Resistant to aggressive cleaning agents
- Visual adjustment indicator via output LED

Your benefits

- Less machine downtime due to rugged sensor design
- Cost reduction due to long service life even under the most extreme ambient conditions
- Quick and easy installation due to adjustment indicator via LEDs
- Large operating reserve due to triple operating distance
- High resistance to shock and impact due to stainless steel sensing face
- No restrictions on cleaning agents or processes, ensuring reliable operation



Cechy

Budowa:	Cylindryczna
Wymiar gwintu:	M12 x 1
Sensing range Sn:	6 mm
Assured sensing range Sa:	4,86 mm
Instalacja w metalu:	Zabudowana
Częstotliwość przełączania:	600 Hz
Wyjście przełączające:	NPN
Output function:	NO
Electrical wiring:	DC 3-wire
Rodzaj zabezpieczenia:	IP 68 ¹⁾ IP 69K
Sposób przyłączenia:	Connector M12, 4-pin

¹⁾ According to EN 60529

Mechanika/elektronika

Napięcie zasilania:	10 V DC ... 30 V DC
Tętnienia resztkowe:	≤ 20 % ¹⁾

Spadek napięcia:	$\leq 2 \text{ V}$ ²⁾
Current consumption:	$\leq 10 \text{ mA}$ ³⁾
Czas osiągnięcia dostępności:	$\leq 40 \text{ ms}$
Histereza:	1 % ... 15 %
Odtwarzalność:::	$\leq 5 \%$ ⁴⁾ ⁵⁾
Przesunięcie cieplne (Sr):	$\leq 10 \%$
Kompatybilność elektromagnetyczna::	Zgodna z EN 60947-5-2
Output current Ia:	$\leq 200 \text{ mA}$
Zabezpieczenie przed zwarciami:	✓
Zabezpieczenie przed zmianą biegunowości:	✓
Power-up pulse protection:	✓
Shock/vibration:	30 g, 11 ms/10 ... 55 Hz, 1 mm
Ambient operating temperature:	-25 °C ... +85 °C
Tworzywo, obudowa:	Stainless steel, Stainless steel V4A (1.4435, 316L)
Tworzywo, obudowa:	Metal
Długość obudowy:	60 mm
Thread length:	41 mm
Moment dokręcania:	$\leq 20 \text{ Nm}$

1) Of V _S 2) At I _a max 3) Bez obciążenia 4) Of Sr 5) UB = 20 V DC ... 30 V DC, TA = 23 °C ± 5 °C

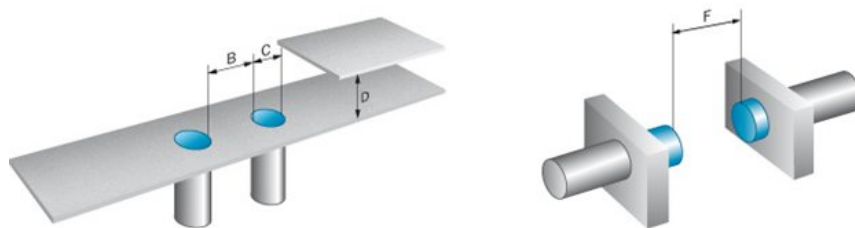
Współczynniki redukcyjne

Uwaga:	The values are reference values which may vary
Carbon steel St37 (Fe):	Ca. 1
Copper (Cu):	Ca. 0,85
Aluminum (Al):	Ca. 1
Brass (Br):	Ca. 1,3
Stainless steel (V4A, 316L):	Ca. 0,45

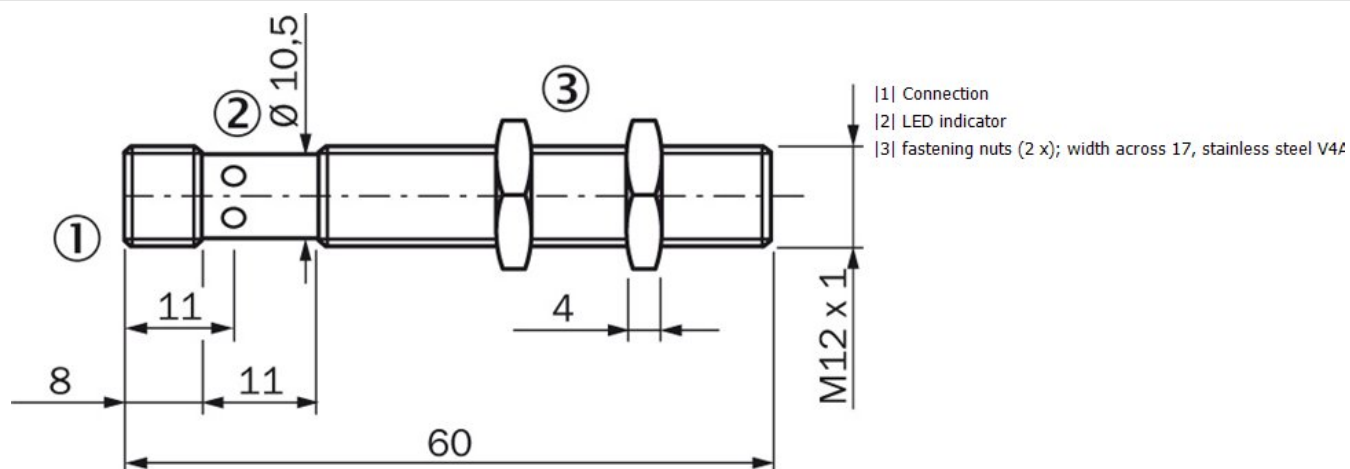
Instrukcje określające

A:	6 mm
B:	38 mm
C:	12 mm
D:	18 mm
F:	60 mm
Uwaga:	Associated graphic see "Installation"

Installation note

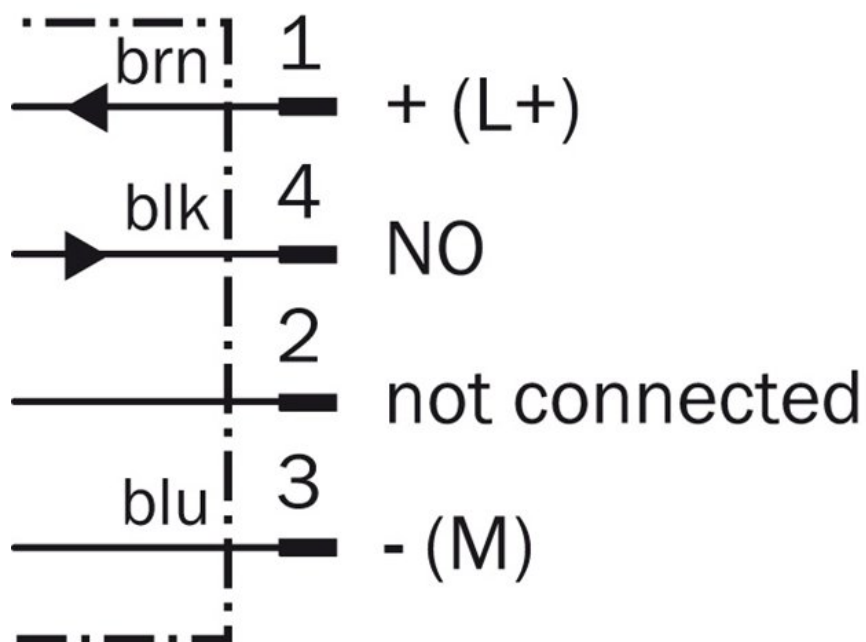


Rysunek techniczny

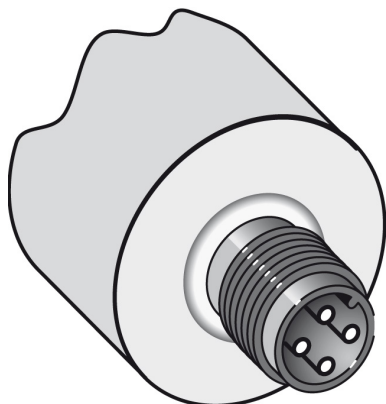


Alle Maße in mm

Connection diagram



Connection type



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