



Indukcyjne czujniki zbliżeniowe Cylindrical threaded housing, IM12

IM12-04NAO-ZU0

Nazwa modelu > [IM12-04NAO-ZU0](#)

Numer części > [7902121](#)



At a glance

- Size M12
- IP 67 enclosure rating
- Operating temperature from -25° C to +75° C

Your benefits

- Reduced machine downtime
- Reduced mechanical damage
- Fewer maintenance costs due to longer service life
- High resistance to shock and vibrations



Cechy

Budowa:	Cylindryczna
Wymiar gwintu:	M12 x 1
Sensing range Sn:	4 mm
Assured sensing range Sa:	3,24 mm
Instalacja w metalu:	Niezabudowany
Częstotliwość przełączania:	25 Hz
Output function:	NC
Electrical wiring:	AC 2-wire
Rodzaj zabezpieczenia:	IP 67 ¹⁾
Typ połączenia:	Cable, 2-wire, 2 m
Housing:	Standard

¹⁾ According to EN 60529

Mechanika/elektronika

Napięcie zasilania:	20 V AC ... 250 V AC
Spadek napięcia:	≤ 8,5 V ¹⁾
Czas osiągnięcia dostępności:	≤ 10 ms
Histereza:	1 % ... 15 %
Odtwarzalność:::	≤ 10 % ^{2) 3)}
Przesunięcie cieplne (Sr):	± 10 %
Kompatybilność elektromagnetyczna::	Zgodna z EN 60947-5-2
Output current I _a :	≤ 200 mA (80 °C), ≤ 250 mA (50 °C)
Off-state current:	≤ 1,5 mA (AC 120 V), ≤ 3 mA (AC 250 V)
Load resistance, min.:	8 mA

Short-time withstand current:	0,9 A ⁴⁾
Cable material:	PUR/PVC
Conductor cross-section:	0,5 mm ²
Zabezpieczenie przed przerywaniem przewodu:	0
Zabezpieczenie przed zwarciami ⁵⁾ :	-
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 ... 80 °C
Tworzywo, obudowa:	Metal, Mosiądz niklowany
Tworzywo, obudowa:	Tworzywo sztuczne
Długość obudowy:	71 mm
Thread length:	46 mm
Moment dokręcania:	≤ 7 Nm
Klasa ochronności:	II

1) At I_a max 2) Ub and Ta constant 3) Of Sr 4) 20 ms/0,5 Hz 5) Miniature fuse as per IEC 60217-2 Sheet 1, ≤ 2 A (quick-blow)

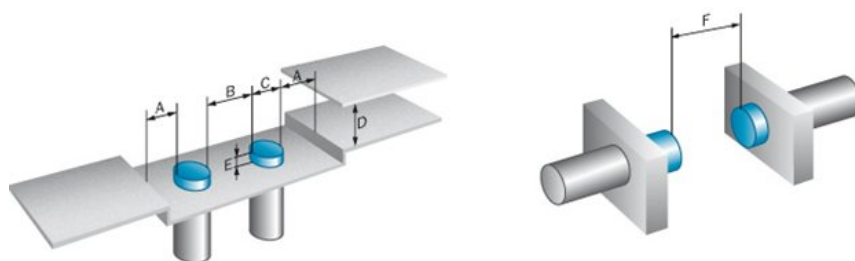
Współczynniki redukcyjne

Uwaga:	The values are reference values which may vary
Stainless steel (V2A, 304):	Ca. 0,8
Copper (Cu):	Ca. 0,4
Aluminum (Al):	Ca. 0,45

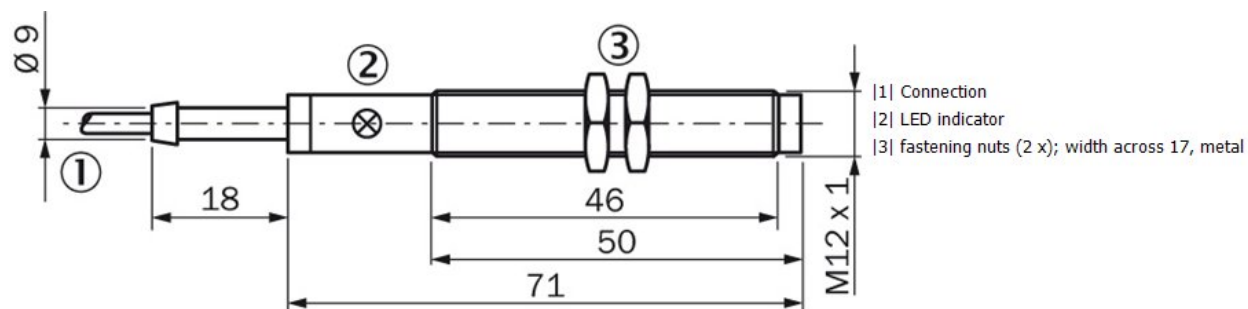
Instrukcje określające

A:	12 mm
B:	24 mm
C:	12 mm
D:	12 mm
E:	8 mm
F:	32 mm
Uwaga:	Associated graphic see "Installation"

Installation note

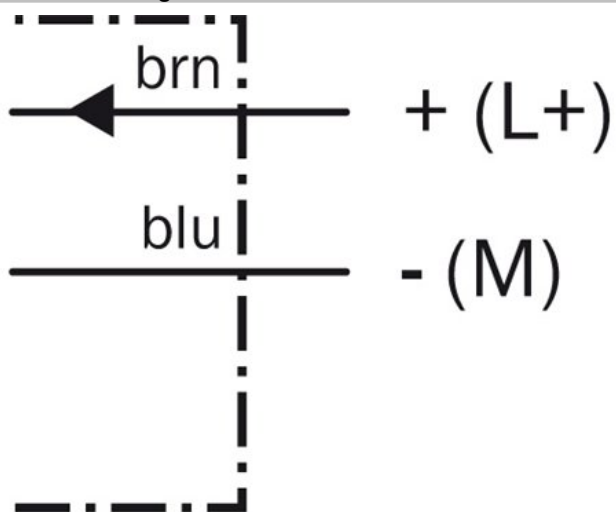


Dimensional drawing



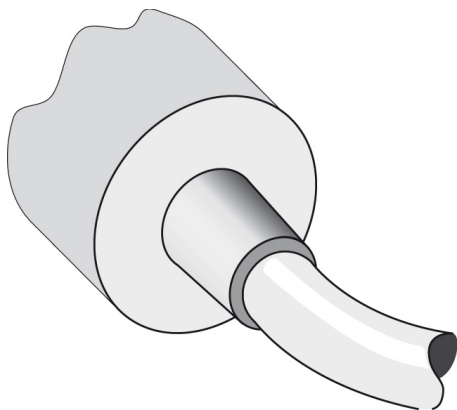
Alle Maße in mm

Connection diagram



Miniature fuse to IEC60127-2
sheet 1, ≤ 2 A (fast acting)

Connection type



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