



Indukcyjne czujniki zbliżeniowe Cylindrical threaded housing, IM12

IM12-02BAS-ZU0

Nazwa modelu > [IM12-02BAS-ZU0](#)

Numer części > [7902118](#)



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:	2 mm
Assured sensing range Sa:	1,62 mm
Instalacja w metalu:	Zabudowana
Częstotliwość przełączania:	25 Hz
Output function:	NO
Electrical wiring:	AC 2-wire
Rodzaj zabezpieczenia:	IP 67 ¹⁾
Sposób przyłączenia:	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
Histeresa:	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:	50 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)

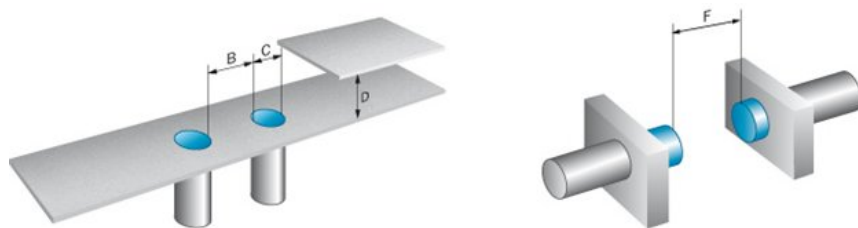
Współczynniki redukcyjne

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

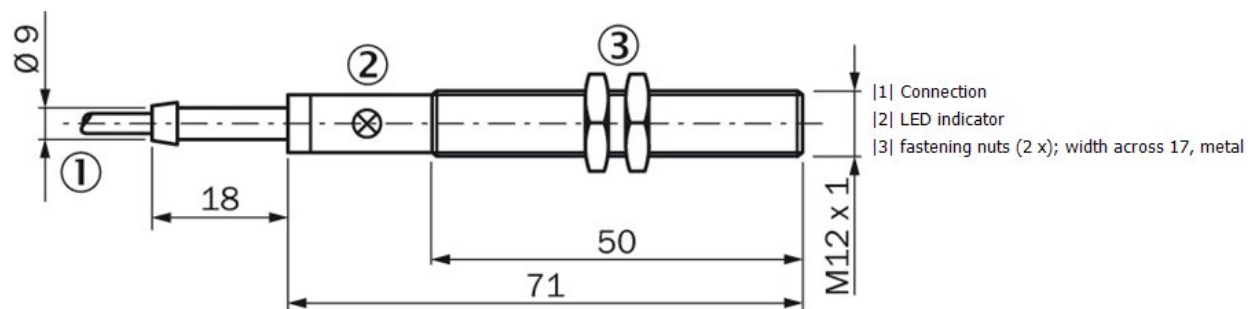
Instrukcje określające

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

Installation note

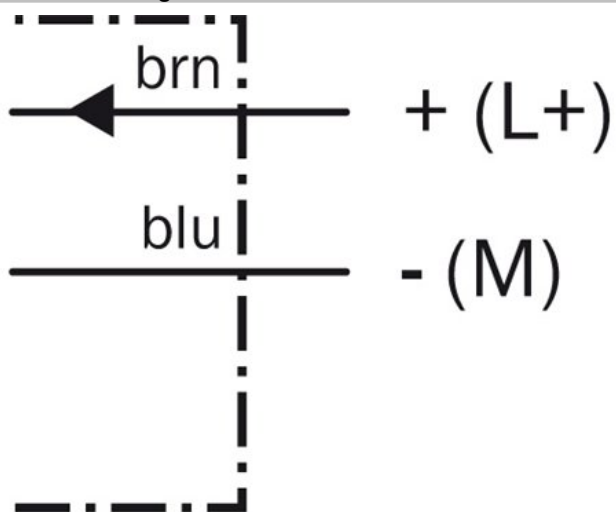


Dimensional drawing



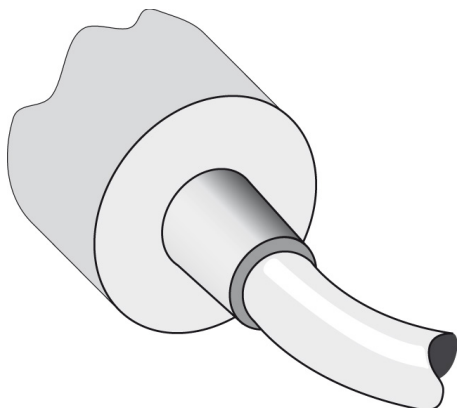
Alle Maße in mm

Connection diagram



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

Connection type



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