



Indukcyjne czujniki zbliżeniowe

IM18-20NPS-ZC1



Nazwa modelu > **IM18-20NPS-ZC1**

Numer części > **6027519**



At a glance

- Triple operating distance up to 40 mm
- Operating temperature from -25 °C to +70 °C
- High switching frequencies
- Sizes M8 to M30

Your benefits

- Less machine downtime
- Large operating reserve due to triple operating distance
- Less space required for the same operating distance when compared with standard sensors
- Lower risk of mechanical damage due to greater distance away from moving parts
- High detection sensitivity, therefore very suitable for detecting difficult parts such as wires, thin sheets, small screws



Cechy

Sensing range Sn:	20 mm
Instalacja w metalu:	Niezabudowany
Częstotliwość przełączania:	200 Hz
Sposób przyłączenia:	Connector M12, 4-pin
Wyjście przełączające:	PNP
Output function:	NO
Electrical wiring:	DC 3-wire
Rodzaj zabezpieczenia:	IP 67 ¹⁾
Tryb przełączania:	NO

¹⁾ According to EN60529

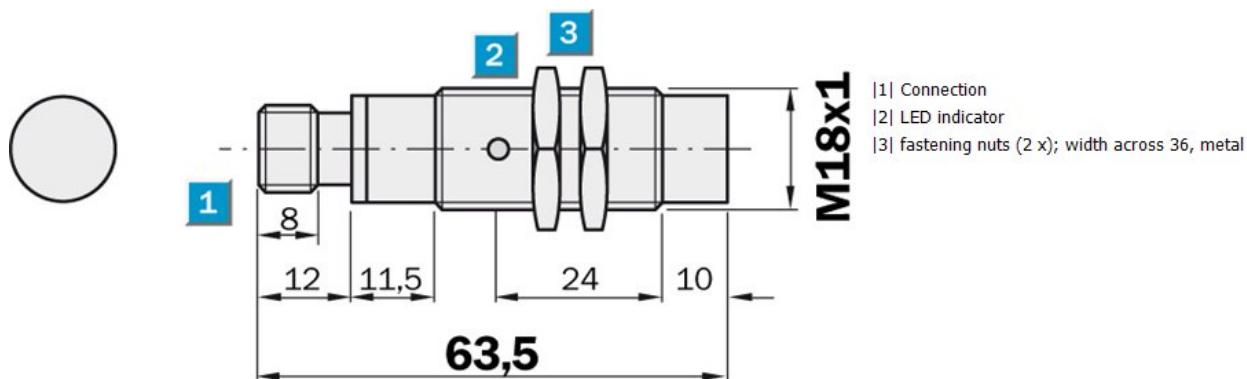
Mechanika/elektronika

Budowa:	cyldryczna
Housing length:	63,5 mm
Napięcie zasilania:	10 V DC ... 30 V DC
Tętnienia resztkowe:	≤ 20 % ¹⁾
Pobór prądu:	≤ 10 mA ²⁾
Spadek napięcia:	≤ 2 V ³⁾
Continuous current I _a :	≤ 200 mA

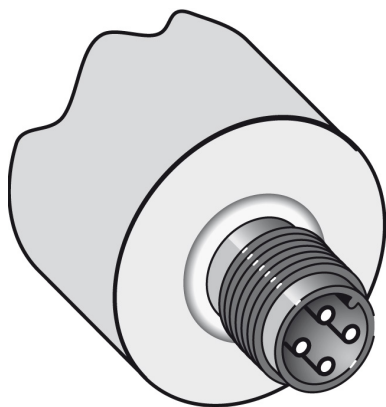
Histereza:	1 % ... 15 %
Odtwarzalność:::	$\leq 5 \%$ ^{4) 5)}
Przesunięcie ciepłe (sr)::	$\pm 10 \%$
Kompatybilność elektromagnetyczna::	Zgodna z EN 60947-5-2
Zabezpieczenie przed zmianą biegunowości:	✓
Zabezpieczenie przed zwarciami:	✓
Tworzywo, obudowa:	Metal
Tworzywo, obudowa:	Tworzywo sztuczne, PBTP
Power-up pulse suppression:	✓
Czas osiągnięcia dostępności:	$\leq 100 \text{ ms}$
Ambient temperature, operation:	-25 °C ... 70 °C
Shock/vibration stress:	30 g, 11 ms/10 ... 55 Hz, 1 mm
Moment dokręcania:	25 Nm
Wymiar gwintu:	M18 x 1
Thread lenght:	32 mm

1) Of V_S 2) Without load 3) At $I_a \text{ max}$ 4) 5) $U_B = 20 \dots 30 \text{ VDC}$, $T_A = 23 \text{ °C} \pm 5 \text{ °C}$

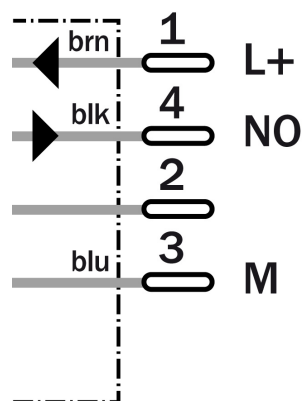
Rysunek techniczny



Typ połączenia



Schemat połączenia



Australia

Phone +61 3 9497 4100
1800 334 802 – 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 sac@sick.com.br

Canada

Phone +1(952) 941-6780
1 800-325-7425 – tollfree
E-Mail info@sickusa.com

Ceská Republika

Phone +420 2 57 91 18 50
E-Mail sick@sick.cz

China

Phone +852-2763 6966
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 kundenservice@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 +972-4-999-0590
E-Mail info@sick-sensors.com

Italia

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

Japan

Phone +81 (0)3 3358 1341
E-Mail support@sick.jp

Magyarország

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

Nederlands

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

Norge

Phone +47 67 81 50 00
E-Mail austefjord@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 admin@sicksgp.com.sg

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

Slovenija

Phone +386 (0)1-47 69 990
E-Mail office@sick.si

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 4 8865 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