



Indukcyjne czujniki zbliżeniowe

IM18-20NPS-NC1



Nazwa modelu > **IM18-20NPS-NC1**

Numer części > **6027580**



At a glance

- Fully stainless steel housing (316L/1.4404)
- Extremely watertight (IP 68/IP 69K)
- Triple operating distance up to 40 mm
- High resistance to mechanical stress
- Especially suitable for use in hygienic and wet areas
- Not affected by aggressive cleaning agents
- Visual adjustment indicator

Your benefits

- Less machine downtime due to tough, sturdy sensor system
- Long service life even under the most extreme ambient conditions
- Quick and easy installation thanks to adjustment indicator
- Large operating reserve due to triple operating distance
- High resistance to shock and vibrations due to all-metal sensing face
- Optimal resistance to cleaning agents
- Less costs due to longer service life



Cechy

Sensing range Sn:	20 mm
Instalacja w metalu:	Niezabudowany
Częstotliwość przełączania:	200 Hz
Sposób przyłączania:	Connector M12, 4-pin
Wyjście przełączające:	PNP
Output function:	NO
Electrical wiring:	DC 3-wire
Rodzaj zabezpieczenia:	IP 68 IP 69K ¹⁾

¹⁾ According to EN60529

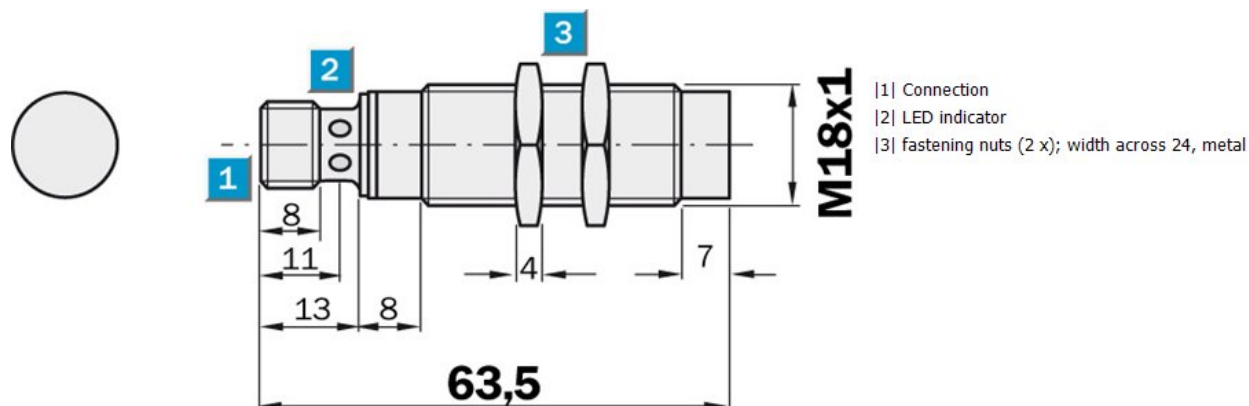
Mechanika/elektronika

Budowa:	cyldryczna
Housing length:	63,5 mm
Napięcie zasilania:	10 V DC ... 30 V DC
Tętnienia resztkowe:	≤ 20 % ¹⁾
Pobór prądu:	≤ 10 mA ²⁾

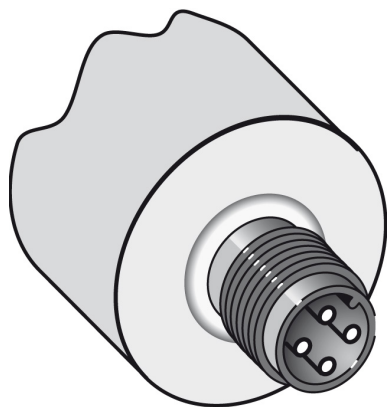
Spadek napięcia:	$\leq 2 \text{ V}^{3)}$
Continuous current I_a :	$\leq 200 \text{ mA}$
Histereza:	1 % ... 15 %
Odtwarzalność:::	$\leq 5 \%^{4) 5)}$
Przesunięcie cieplne (sr)::	$\leq 10 \%$
Kompatybilność elektromagnetyczna::	Zgodna z EN 60947-5-2
Zabezpieczenie przed zmianą biegunowości:	✓
Zabezpieczenie przed zwarciami:	✓
Tworzywo, obudowa:	Stainless steel
Tworzywo, obudowa:	Metal
Power-up pulse suppression:	✓
Czas osiągnięcia dostępności:	$\leq 40 \text{ ms}$
Ambient temperature, operation:	-25 °C ... 85 °C
Shock/vibration stress:	30 g, 11 ms/10 ... 55 Hz, 1 mm
Moment dokręcania:	50 Nm
Wymiar gwintu:	M18 x 1
Thread lenght:	35 mm

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

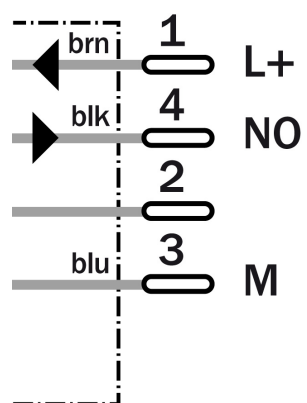
Rysunek techniczny



Typ połączenia



Schemat połączenia



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