



## Indukcyjne czujniki zbliżeniowe Cylindrical threaded housing, IM12

IM12-04NPS-ZT1



Nazwa modelu > **IM12-04NPS-ZT1**

Numer części > **6011979**



#### 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                |
| Instalacja w metalu:        | Niezabudowany       |
| Częstotliwość przełączania: | 2.000 Hz            |
| Wyjście przełączające:      | PNP                 |
| Output function:            | NO                  |
| Electrical wiring:          | DC 3-wire           |
| Rodzaj zabezpieczenia:      | IP 67 <sup>1)</sup> |
| Sposób przyłączenia:        | Connector M8, 3-pin |
| Housing:                    | Standard            |

<sup>1)</sup> According to EN 60529

#### Mechanika/elektronika

|                                     |                                   |
|-------------------------------------|-----------------------------------|
| Napięcie zasilania:                 | 10 V DC ... 30 V DC               |
| Tętnienia resztkowe:                | ≤ 10 % <sup>1)</sup>              |
| Spadek napięcia:                    | ≤ 1,2 V <sup>2)</sup>             |
| Pobór prądu:                        | ≤ 20 mA <sup>3)</sup>             |
| Czas osiągnięcia dostępności:       | ≤ 100 ms                          |
| Histeresa:                          | 2 % ... 10 %                      |
| Odtwarzalność:::                    | ≤ 2 % <sup>4)</sup> <sup>5)</sup> |
| Przesunięcie cieplne (Sr):          | ± 10 %                            |
| Kompatybilność elektromagnetyczna:: | Zgodna z EN 60947-5-2             |
| Output current Ia:                  | ≤ 200 mA                          |

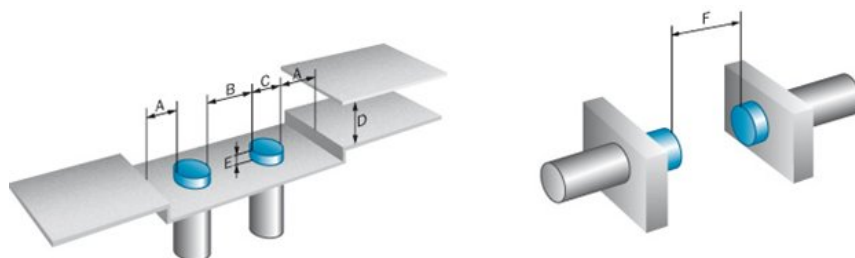
|                                             |                                |
|---------------------------------------------|--------------------------------|
| Zabezpieczenie przed przzerwaniem przewodu: | 0                              |
| Zabezpieczenie przed zwarciami:             | ✓                              |
| 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 ... 70 °C               |
| Tworzywo, obudowa:                          | Metal, Mosiądz niklowany       |
| Tworzywo, obudowa:                          | Tworzywo sztuczne              |
| Długość obudowy:                            | 60,5 mm                        |
| Thread length:                              | 38 mm                          |
| Moment dokręcania:                          | 10 Nm                          |

1) Of  $V_S$  2) At  $I_a$  max 3) Bez obciążenia 4)  $U_b$  and  $T_a$  constant 5) Of  $S_r$

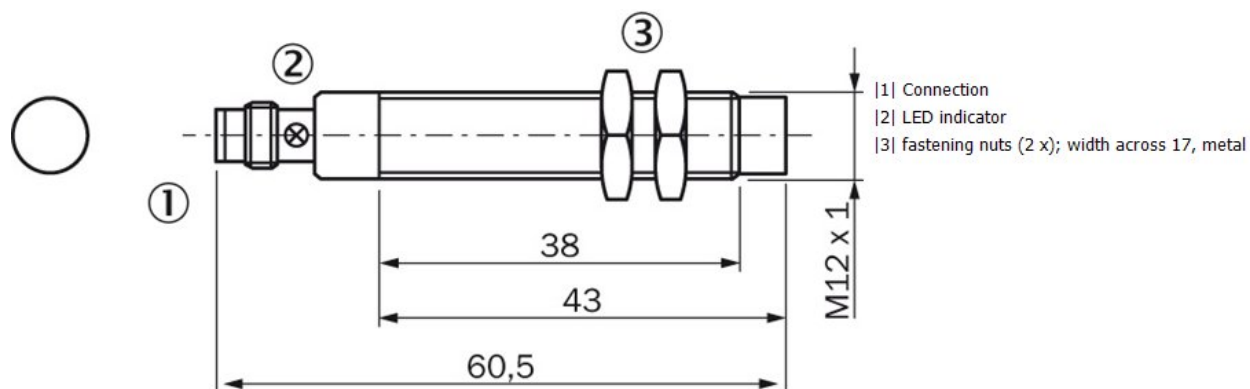
### Instrukcje określające

|        |                                       |
|--------|---------------------------------------|
| 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

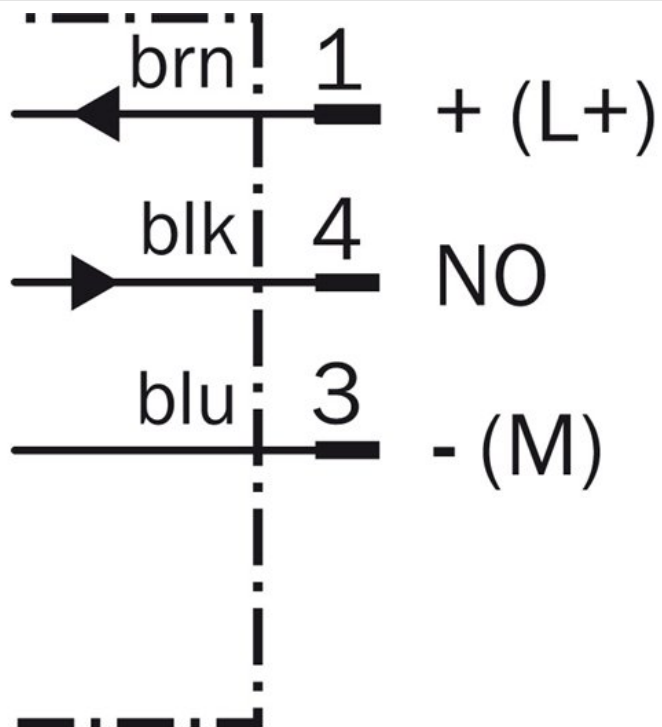


## Dimensional drawing



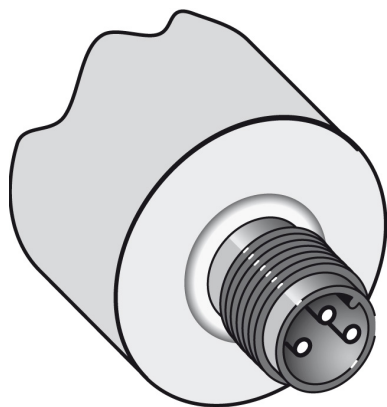
Alle Maße in mm

## Connection diagram



## Connection type

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