



## Indukcyjne czujniki zbliżeniowe Cylindrical threaded housing, IM08

IM08-02BNS-ZWK



Nazwa modelu > **IM08-02BNS-ZWK**

Numer części > **6025862**



#### At a glance

- Size M8
- IP 67 enclosure rating
- Operating temperature from -25° C to +70° 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:              | M8 x 1              |
| Sensing range Sn:           | 2 mm                |
| Instalacja w metalu:        | Zabudowana          |
| Częstotliwość przełączania: | 3.000 Hz            |
| Wyjście przełączające:      | NPN                 |
| Output function:            | NO                  |
| Electrical wiring:          | DC 3-wire           |
| Rodzaj zabezpieczenia:      | IP 67 <sup>1)</sup> |
| Typ połączenia:             | Cable, 3-wire, 2 m  |
| Housing:                    | Short-body          |

<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:                        | ≤ 10 mA <sup>3)</sup>             |
| Czas osiągnięcia dostępności:       | ≤ 5 ms                            |
| Histeresa:                          | 1 % ... 20 %                      |
| Odtwarzalność:::                    | ≤ 5 % <sup>4)</sup> <sup>5)</sup> |
| Przesunięcie cieplne (Sr):          | ± 10 %                            |
| Kompatybilność elektromagnetyczna:: | Zgodna z EN 60947-5-2             |
| Output current Ia:                  | ≤ 200 mA                          |

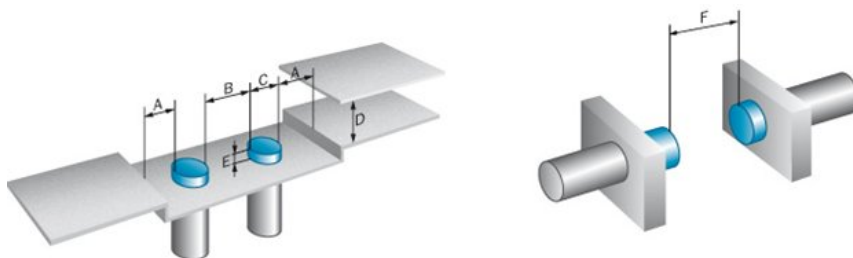
|                                           |                                |
|-------------------------------------------|--------------------------------|
| Cable material:                           | PVC                            |
| Conductor cross-section:                  | 0,14 mm <sup>2</sup>           |
| 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:                          | 35,5 mm                        |
| Thread length:                            | 30,2 mm                        |
| Moment dokręcania:                        | 4 Nm                           |

1) Of V<sub>S</sub> 2) At I<sub>a</sub> max 3) Bez obciążenia 4) Ub and Ta constant 5) Of Sr

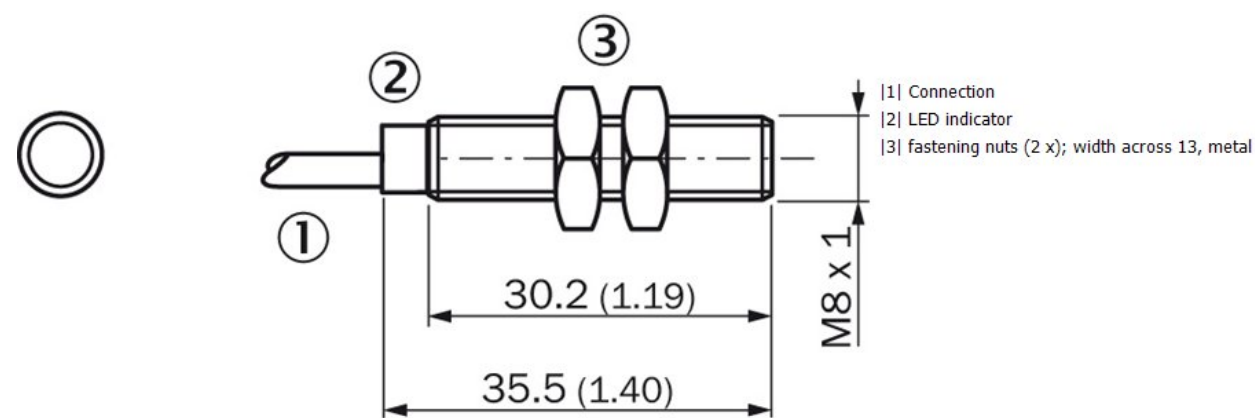
### Instrukcje określające

|        |                                       |
|--------|---------------------------------------|
| A:     | 3,25 mm                               |
| B:     | 8 mm                                  |
| C:     | 8 mm                                  |
| D:     | 6 mm                                  |
| E:     | 0 mm                                  |
| F:     | 16 mm                                 |
| Uwaga: | Associated graphic see "Installation" |

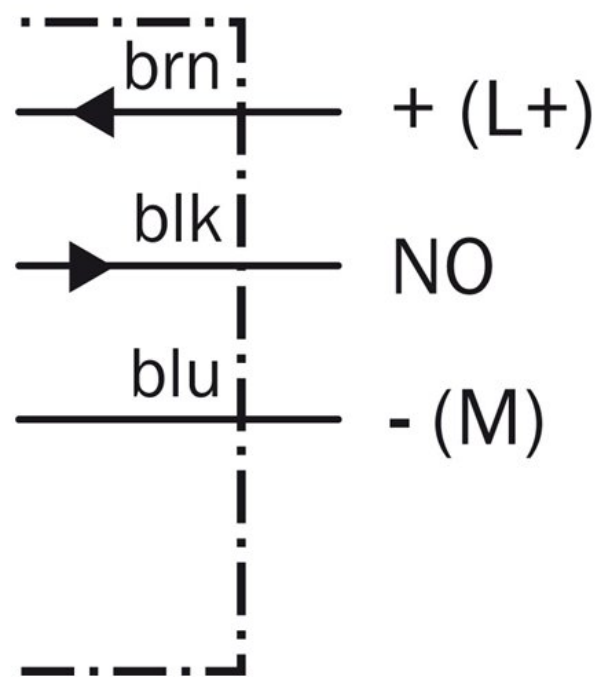
### Installation note



Dimensional drawing

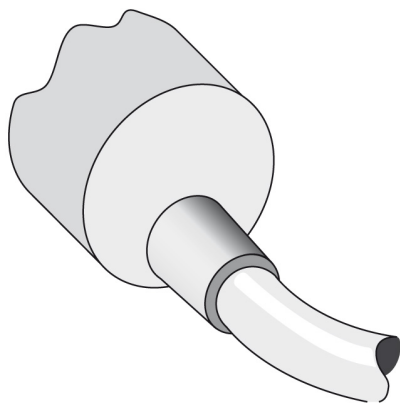


Connection diagram



## Connection type

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