



## Indukcyjne czujniki zbliżeniowe Cylindrical threaded housing, IME12

IME12-02BNSZCOK



Nazwa modelu > **IME12-02BNSZC0K**

Numer części > **1040739**



#### 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: | 2.000 Hz             |
| Wyjście przełączające:      | NPN                  |
| Output function:            | NO                   |
| Electrical wiring:          | DC 3-wire            |
| Enclosure rating:           | IP 67 <sup>1)</sup>  |
| Sposób przyłączenia:        | Connector M12, 4-pin |
| Housing:                    | Short-body           |

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

#### Mechanika/elektronika

|                                     |                        |
|-------------------------------------|------------------------|
| Napięcie zasilania:                 | 10 V DC ... 30 V DC    |
| Tętnienia resztkowe:                | ≤ 10 %                 |
| Spadek napięcia:                    | ≤ 2 V                  |
| Pobór prądu:                        | ≤ 10 mA <sup>1)</sup>  |
| Czas osiągnięcia dostępności:       | ≤ 100 ms               |
| Histeresa:                          | 5 % ... 15 %           |
| Odtwarzalność:::                    | ≤ 2 % <sup>2) 3)</sup> |
| Przesunięcie cieplne (Sr):          | ± 10 %                 |
| Kompatybilność elektromagnetyczna:: | Zgodna z EN 60947-5-2  |

|                                           |                                   |
|-------------------------------------------|-----------------------------------|
| Output current Ia:                        | ≤ 200 mA                          |
| Zabezpieczenie przed zwarciami:           | ✓                                 |
| Zabezpieczenie przed zmianą biegunowości: | ✓                                 |
| Power-up pulse protection:                | ✓                                 |
| Shock/vibration:                          | 30 g, 11 ms/10 Hz ... 55 Hz, 1 mm |
| Ambient operating temperature:            | -25 °C ... 75 °C                  |
| Tworzywo, obudowa:                        | Metal, Mosiądz niklowany          |
| Tworzywo, obudowa:                        | Tworzywo sztuczne, PA6            |
| Długość obudowy:                          | 46 mm                             |
| Thread length:                            | 29 mm                             |
| Moment dokręcania:                        | 12 Nm                             |

1) Bez obciążenia 2) Ub and Ta constant 3) Of Sr

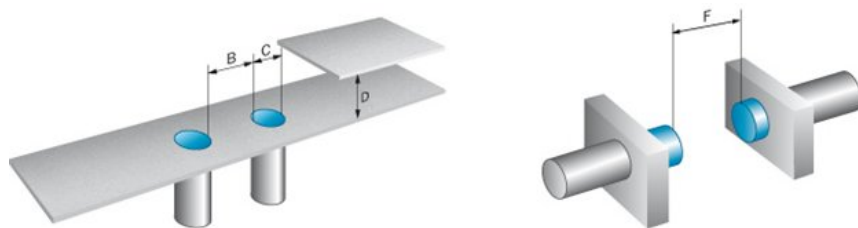
### Współczynniki redukcyjne

|                             |                                                |
|-----------------------------|------------------------------------------------|
| Uwaga:                      | The values are reference values which may vary |
| Carbon steel St37 (Fe):     | 1                                              |
| Stainless steel (V2A, 304): | Ca. 0,8                                        |
| Copper (Cu):                | Ca. 0,4                                        |
| Aluminum (Al):              | Ca. 0,45                                       |
| Brass (Br):                 | Ca. 0,4                                        |

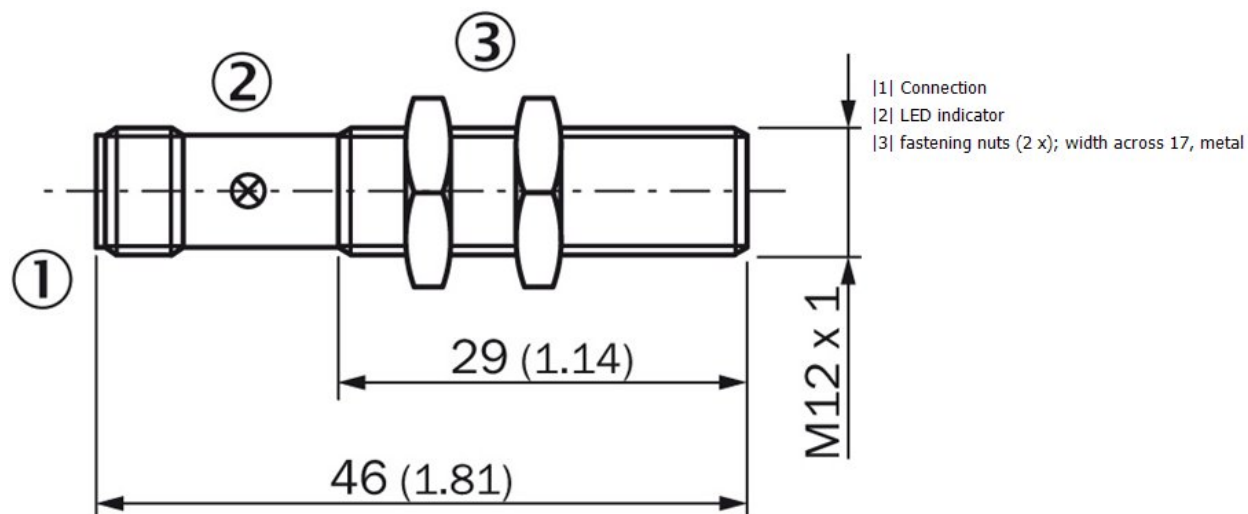
### Instrukcje określające

|        |                                       |
|--------|---------------------------------------|
| B:     | 12 mm                                 |
| C:     | 12 mm                                 |
| D:     | 6 mm                                  |
| F:     | 16 mm                                 |
| Uwaga: | Associated graphic see "Installation" |

## Installation note



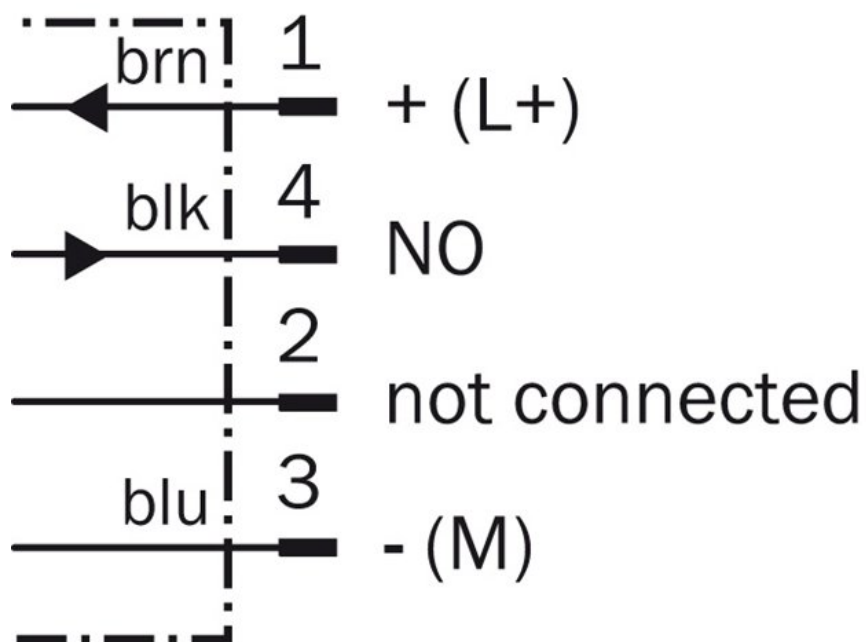
## Dimensional drawing



All dimensions in mm (inch)

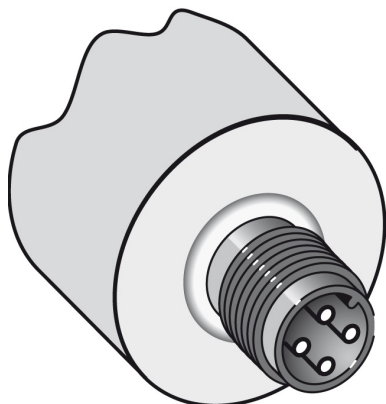
## Connection diagram

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## Connection type

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