



## Indukcyjne czujniki zbliżeniowe Cylindrical threaded housing, IME18

IME18-05BPOZW2K



Nazwa modelu > [IME18-05BPOZW2K](#)

Numer części > [1040939](#)



#### At a glance

- Size M18
- 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:              | M18 x 1             |
| Sensing range Sn:           | 5 mm                |
| Assured sensing range Sa:   | 4,05 mm             |
| Instalacja w metalu:        | Zabudowana          |
| Częstotliwość przełączania: | 1.000 Hz            |
| Wyjście przełączające:      | PNP                 |
| Output function:            | NC                  |
| Electrical wiring:          | DC 3-wire           |
| Rodzaj zabezpieczenia:      | IP 67 <sup>1)</sup> |
| Sposób przyłączenia:        | 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 %                 |
| 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 I <sub>a</sub> :           | ≤ 200 mA                          |
| Cable material:                           | PVC                               |
| 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:                          | 48 mm                             |
| Thread length:                            | 33 mm                             |
| Moment dokręcania:                        | 40 Nm                             |

1) Without load    2) U<sub>b</sub> and T<sub>a</sub> constant    3) Of Sr

### Współczynniki redukcyjne

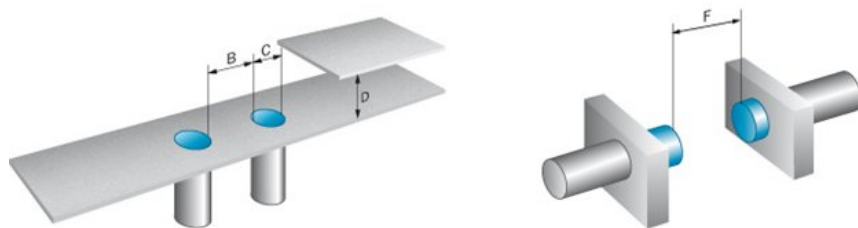
|                             |                                                |
|-----------------------------|------------------------------------------------|
| Uwaga:                      | The values are reference values which may vary |
| Carbon steel St37 (Fe):     | 1                                              |
| 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:     | 18 mm                                 |
| C:     | 18 mm                                 |
| D:     | 15 mm                                 |
| F:     | 40 mm                                 |
| Uwaga: | Associated graphic see "Installation" |

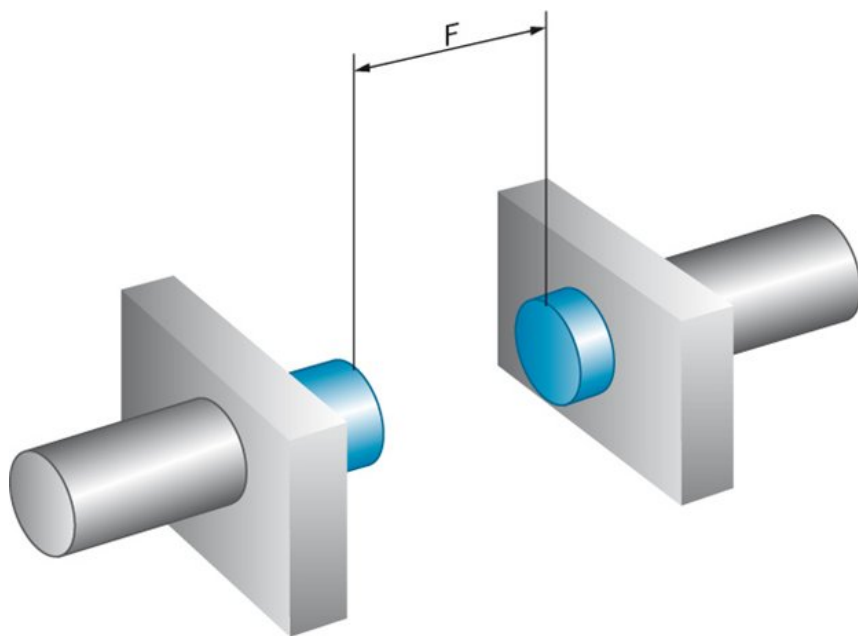
## Installation note

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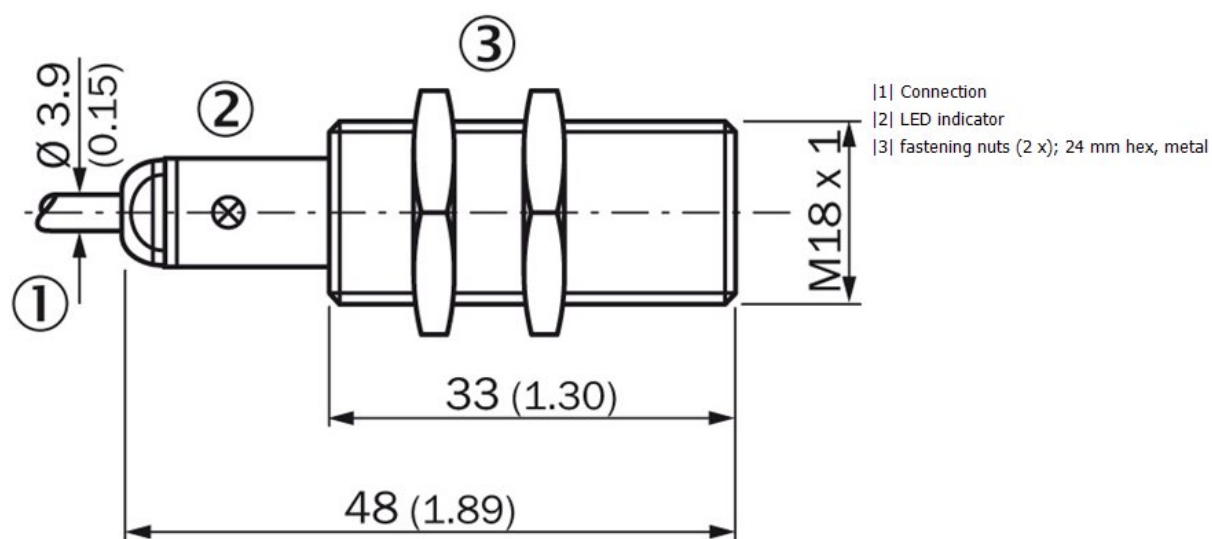


## Installation note

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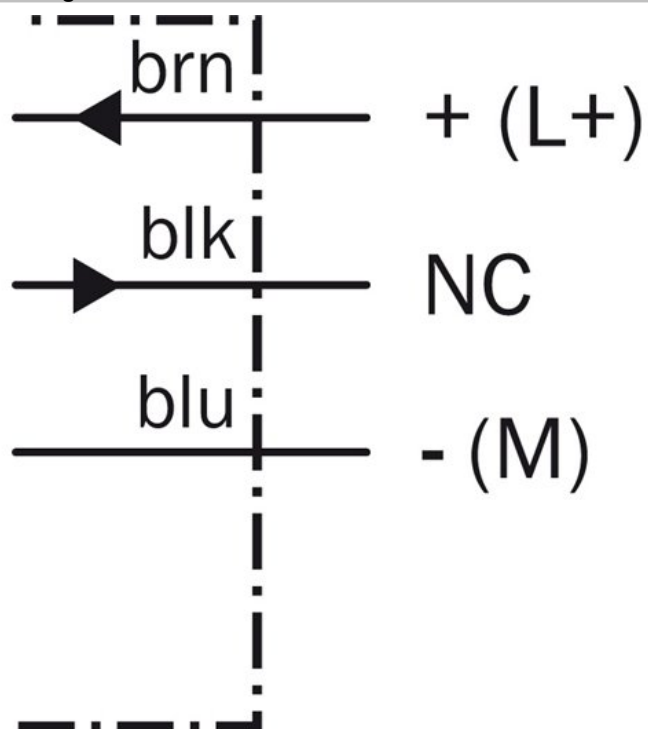


## Dimensional drawing



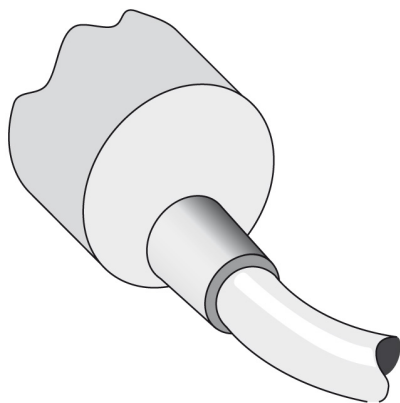
All dimensions in mm (inch)

## Connection diagram



## Connection type

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