



## Indukcyjne czujniki zbliżeniowe Cylindrical threaded housing, IME18

IME18-05BPSZW5S



Nazwa modelu > [IME18-05BPSZW5S](#)

Numer części > [1046725](#)



#### 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            |
| Switching output:           | PNP                 |
| Output function:            | NO                  |
| Electrical wiring:          | DC 3-wire           |
| Rodzaj zabezpieczenia:      | IP 67 <sup>1)</sup> |
| Sposób przyłączenia:        | Cable, 3-wire, 5 m  |
| Housing:                    | Standard            |

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

#### Mechanika/elektronika

|                                     |                        |
|-------------------------------------|------------------------|
| Napięcie zasilania:                 | 10 V DC ... 30 V DC    |
| Tętnienia resztkowe:                | ≤ 10 %                 |
| Spadek napięcia:                    | ≤ 2 V                  |
| Current consumption:                | ≤ 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:                          | 67 mm                             |
| Thread length:                            | 52 mm                             |
| Moment dokręcania:                        | 40 Nm                             |

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

### Współczynniki redukcyjne

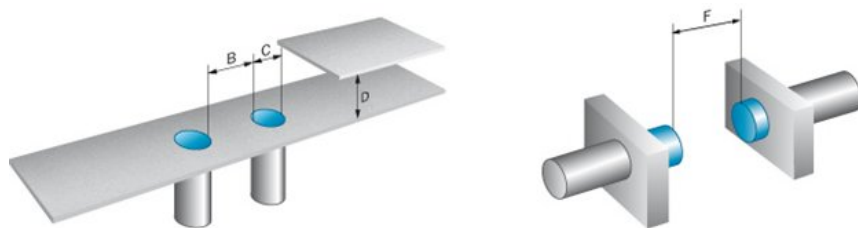
|                             |                                                |
|-----------------------------|------------------------------------------------|
| Uwaga:                      | The values are reference values which may vary |
| Carbon steel St37 (Fe):     | 1                                              |
| 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" |

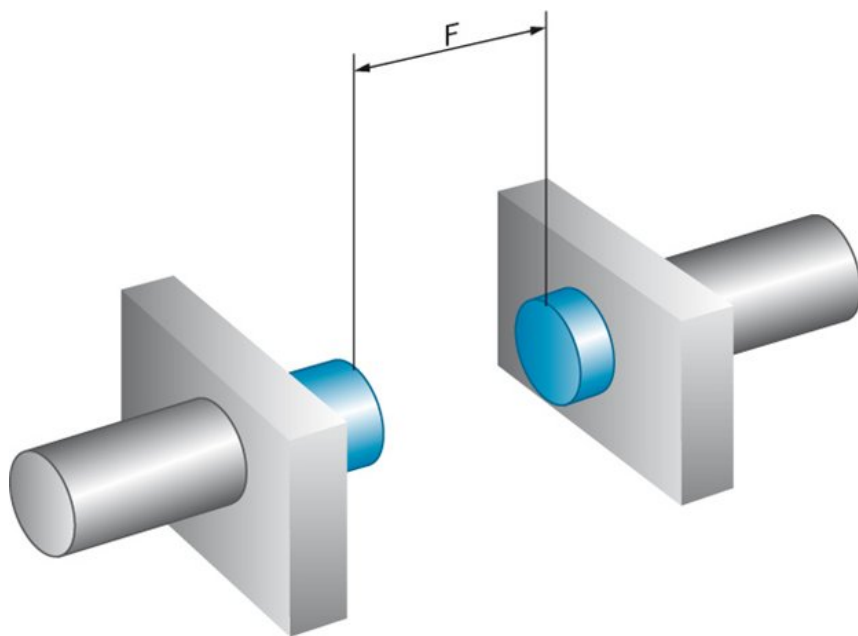
## Installation note

---

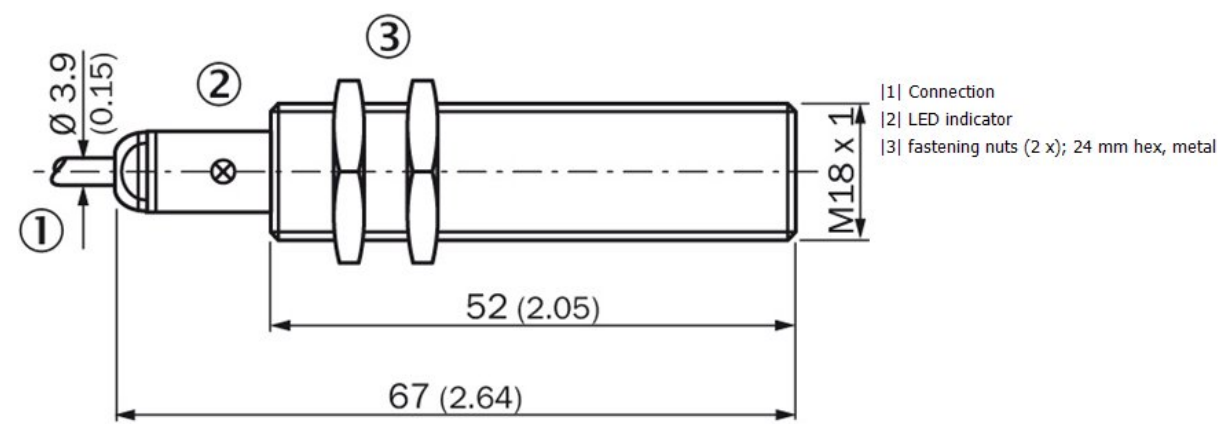


## Installation note

---

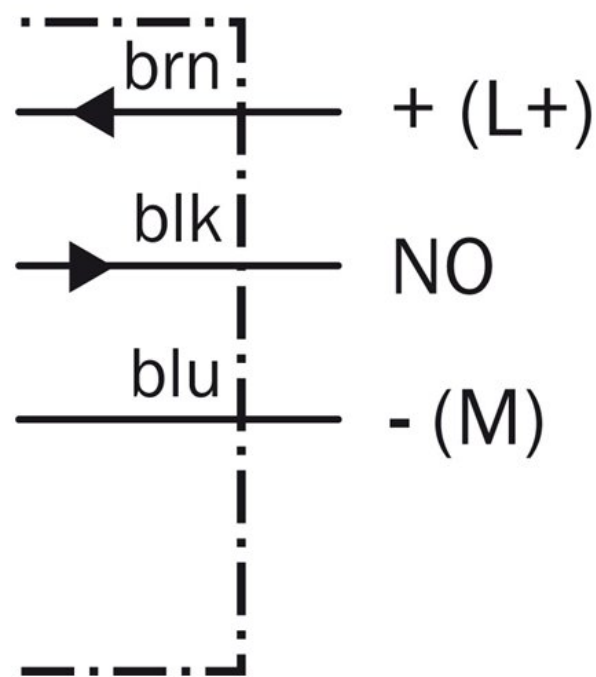


Dimensional drawing



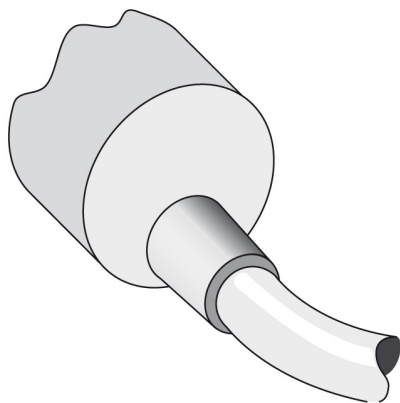
All dimensions in mm (inch)

Connection diagram



## Connection type

---



**Australia**

Phone +61 3 9457 0600  
1800 334 802 – tollfree  
E-Mail sales@sick.com.au

**Belgium/Luxembourg**

Phone +32 (0)2 466 55 66  
E-Mail info@sick.be

**Brasil**

Phone +55 11 3215-4900  
E-Mail sac@sick.com.br

**Canada**

Phone +1 905 771 14 44  
E-Mail information@sick.com

**Česká republika**

Phone +420 2 57 91 18 50  
E-Mail sick@sick.cz

**China**

Phone +86 4000 121 000  
E-Mail info.china@sick.net.cn  
Phone +852-2153 6300  
E-Mail ghk@sick.com.hk

**Danmark**

Phone +45 45 82 64 00  
E-Mail sick@sick.dk

**Deutschland**

Phone +49 211 5301-301  
E-Mail info@sick.de

**España**

Phone +34 93 480 31 00  
E-Mail info@sick.es

**France**

Phone +33 1 64 62 35 00  
E-Mail info@sick.fr

**Great Britain**

Phone +44 (0)1727 831121  
E-Mail info@sick.co.uk

**India**

Phone +91-22-4033 8333  
E-Mail info@sick-india.com

**Israel**

Phone +972-4-6801000  
E-Mail info@sick-sensors.com

**Italia**

Phone +39 02 27 43 41  
E-Mail info@sick.it

**Japan**

Phone +81 (0)3 3358 1341  
E-Mail support@sick.jp

**Magyarország**

Phone +36 1 371 2680  
E-Mail office@sick.hu

**Nederland**

Phone +31 (0)30 229 25 44  
E-Mail info@sick.nl

**Norge**

Phone +47 67 81 50 00  
E-Mail austefjord@sick.no

**Österreich**

Phone +43 (0)22 36 62 28 8-0  
E-Mail office@sick.at

**Polska**

Phone +48 22 837 40 50  
E-Mail info@sick.pl

**România**

Phone +40 356 171 120  
E-Mail office@sick.ro

**Russia**

Phone +7-495-775-05-30  
E-Mail info@sick.ru

**Schweiz**

Phone +41 41 619 29 39  
E-Mail contact@sick.ch

**Singapore**

Phone +65 6744 3732  
E-Mail sales.gsg@sick.com

**Slovenija**

Phone +386 (0)1-47 69 990  
E-Mail office@sick.si

**South Africa**

Phone +27 11 472 3733  
E-Mail info@sickautomation.co.za

**South Korea**

Phone +82 2 786 6321/4  
E-Mail info@sickkorea.net

**Suomi**

Phone +358-9-25 15 800  
E-Mail sick@sick.fi

**Sverige**

Phone +46 10 110 10 00  
E-Mail info@sick.se

**Taiwan**

Phone +886-2-2375-6288  
E-Mail sales@sick.com.tw

**Türkiye**

Phone +90 (216) 528 50 00  
E-Mail info@sick.com.tr

**United Arab Emirates**

Phone +971 (0) 4 8865 878  
E-Mail info@sick.ae

**USA/México**

Phone +1(952) 941-6780  
1 800-325-7425 – tollfree  
E-Mail info@sickusa.com

More representatives and agencies  
at [www.sick.com](http://www.sick.com)