



## Inductive safety switches IN3000 Direct Sensor

IN30-E0407K



**Model Name** > [IN30-E0407K](#)  
**Part No.** > [6034582](#)

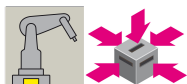


#### At a glance

- Two outputs for direct connection of sensors to a single safety controller
- Response range of up to 15 mm
- LED status indicator
- Up to performance level PL d (EN ISO 13849), SILCL2 (EN 62061), SIL2 (IEC 61508)
- Sensors with plug connector

#### Your benefits

- Cost-effective solution for applications up to PL d / SILCL2
- Space-saving mounting due to compact housing design
- Direct connection to the safe control solution eliminates any additional wiring and reduces installation time
- Fast diagnostics via LED status indicator
- Long service life due to durable and low-maintenance design
- The devices are easy to clean, making them suitable for contaminated areas or environments with strict hygiene standards



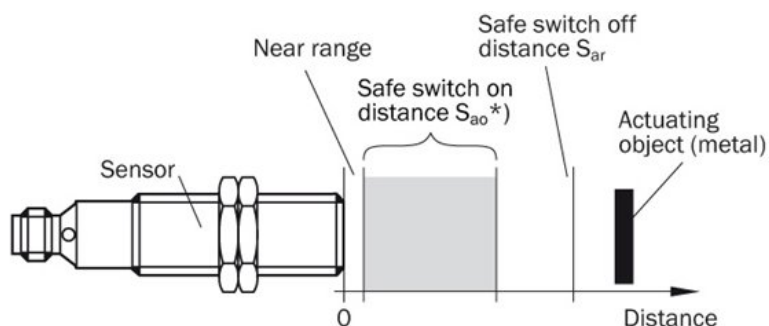
#### Technical data

|                                            |                                                  |
|--------------------------------------------|--------------------------------------------------|
| Sensor principle:                          | Inductive                                        |
| Safety integrity level:                    | SIL2 (IEC 61508), SILCL2 (EN 62061)              |
| Category:                                  | Category 3 (EN ISO 13849)                        |
| Performance level:                         | PL d (EN ISO 13849)                              |
| PFHd:                                      | 1.0 * 1E-07                                      |
| TM (mission time)::                        | 10 a (EN ISO 13849) 1) 2)<br>20 a (EN ISO 13849) |
| Housing material:                          | V4A (housing), PBT (cover)                       |
| Enclosure rating:                          | IP 65 (IEC 60529)<br>IP 67                       |
| Protection class:                          | III (EN 50178)                                   |
| Ambient operating temperature from ... to: | -25 °C ... 70 °C                                 |
| Connection type:                           | Connector                                        |
| Size of the cable gland:                   | M12                                              |
| Type of output:                            | Semiconductor                                    |
| Number of outputs:                         | 2                                                |
| Safe switch on distance Sao:               | 4 mm                                             |
| Status display:                            | ✓                                                |

Housing: Cylindrical  
Dimensions: M12 x 70 mm  
Installation type: Non-flush  
Weight: 0.08 kg

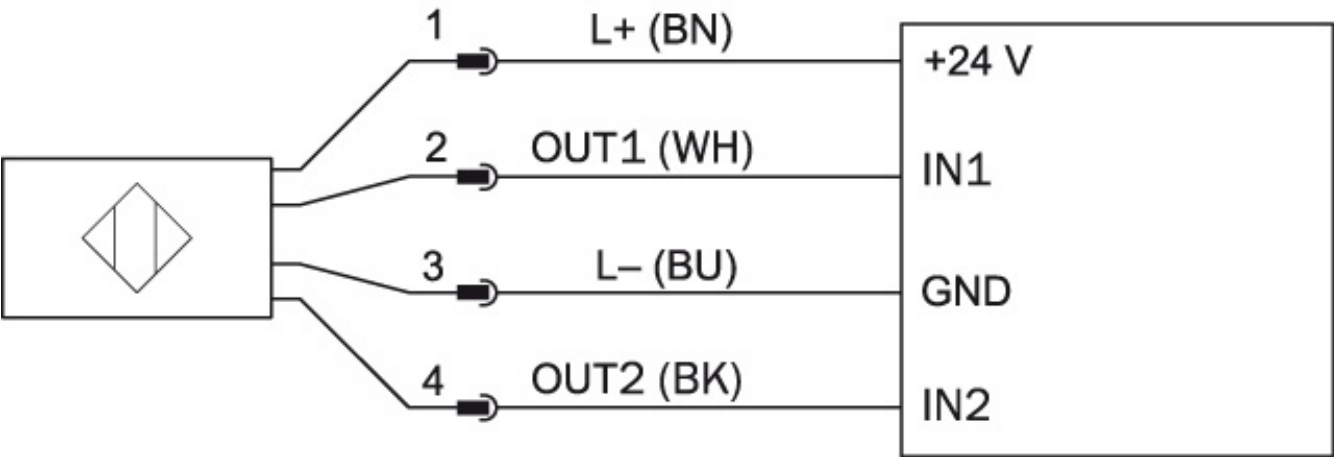
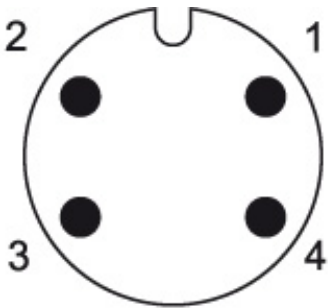
<sup>1)</sup> At -25 °C ... +70 °C and 5 % ... 95 % relative air humidity <sup>2)</sup> At +10 °C ... +40 °C and 5 % ... 70 % relative air humidity

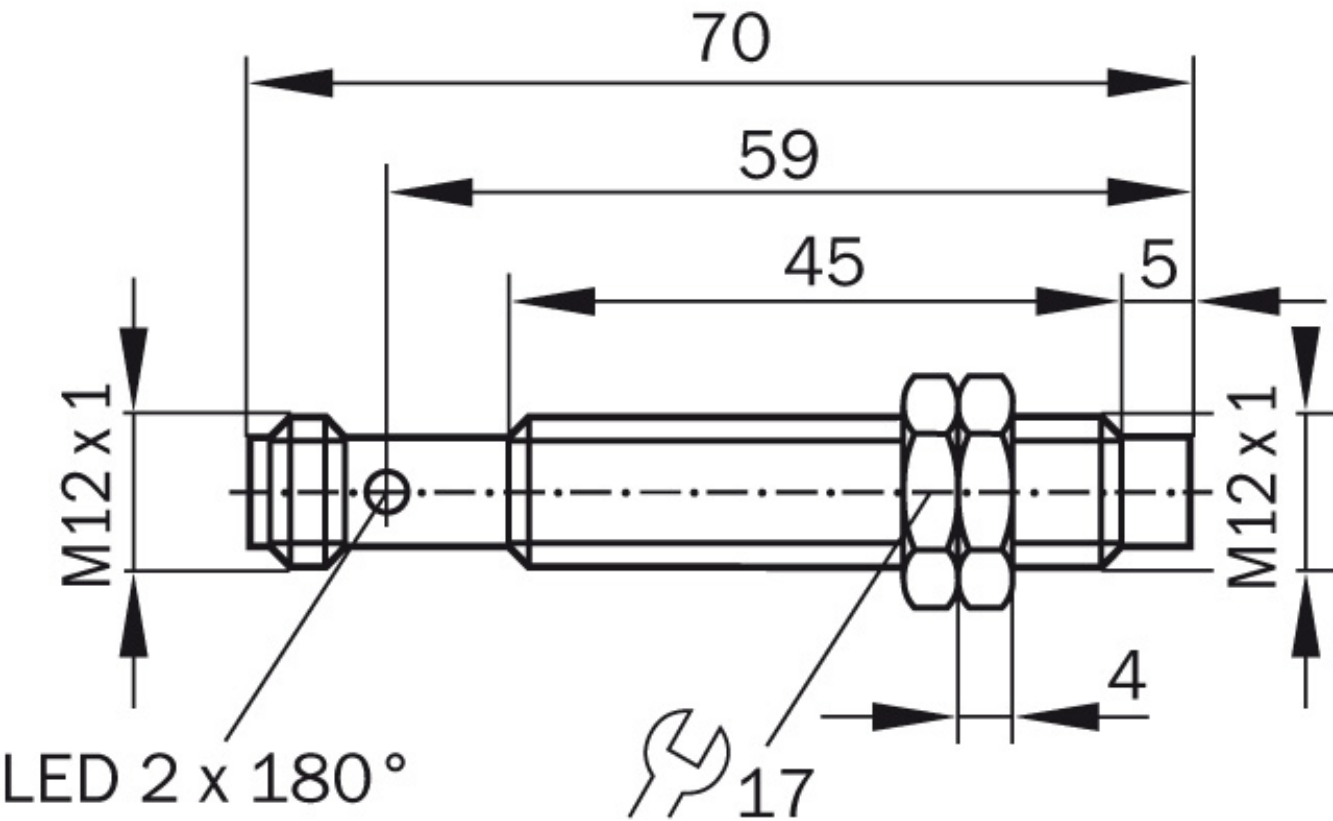
## Response range



| Material of the actuating object | Safe switch on distance $S_{ao}^*)$ | Safe switch off distance $S_{ar}$ |
|----------------------------------|-------------------------------------|-----------------------------------|
| Steel FE360                      | 0.5 mm ... 4 mm                     | 6 mm                              |
| Stainless steel 1.4302           | 0 mm ... 3.1 mm                     |                                   |
| AlMg 3G22                        | 0 mm ... 1.8 mm                     |                                   |
| CuZn 37                          | 0 mm ... 2.0 mm                     |                                   |
| Cu                               | 0 mm ... 1.2 mm                     |                                   |

\*) Typical values for damping with a reference target plate of 12 x 12 x 1 mm and non-flush installation according to IEC 60947-5-2 at an ambient temperature of 20 °C.





**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

**Ceská 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 kundenservice@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

**Nederlands**

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 admin@sicksgp.com.sg

**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)