

ONLINE DATA SHEET
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Inductive safety switches
IN4000 Standard Sensor

IN40-D0101K



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Inductive safety switches
IN4000 Standard Sensor

Model Name > IN40-D0101K
Part No. > 6027389

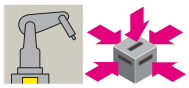


At a glance

- One pulsed output for direct connection of sensors to a single safety controller
- IP 67 or IP 69K enclosure rating
- Response range of up to 15 mm
- LED status indicator
- Up to performance level PL e / Cat. 4 (EN ISO 13849)
- Safe series connection of sensors possible

Your benefits

- Fast diagnostics via LED status indicator
- Cascadability of up to 9 sensors saves costs
- Long service life due to durable and low-maintenance design
- Just one safety switch in conjunction with a suitable safety module makes it possible to solve applications up to PL e and Cat. 4 (EN ISO 13849)
- The devices are easy to clean, making them suitable for contaminated areas or environments with strict hygiene standards



Technical data

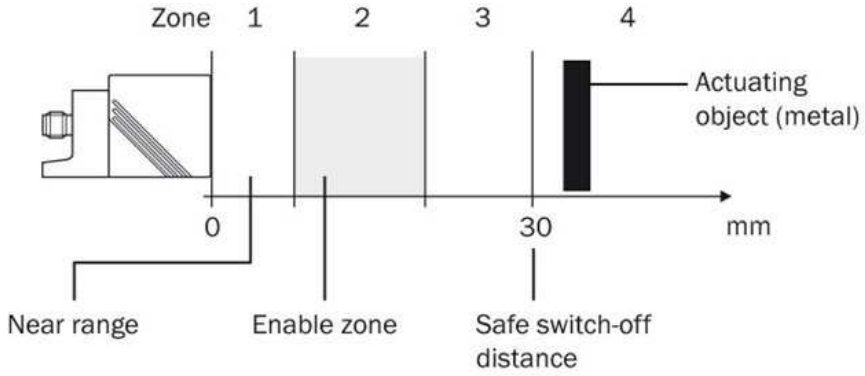
Sensor principle:	Inductive
Safety integrity level:	SIL3 (IEC 61508)
Category:	category 4 (EN ISO 13849)
Performance level:	PL e
PFHd:	1.33 * 1E-09
TM (mission time)::	10 a (EN ISO 13849) [1) 2)] 20 a (EN ISO 13849)
Housing material:	Die-cast zinc (housing), PPE (cover)
Enclosure rating:	IP 67 (IEC 60529)
Protection class:	III (EN 50178)
Ambient operating temperature:	-25 °C ... +70 °C
Electrical connection:	Plug connector, M12, 4-pin
Flexi Loop-compatible plug connector:	-
Type of output:	Semiconductor, pulsed
Number of safe outputs:	1
Safe switch on distance Sao:	15 mm
Status display:	✓
Design:	Rectangular

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Dimensions:	40 mm x 40 mm x 66 mm
Installation type:	Non-flush
Weight:	0.22 kg

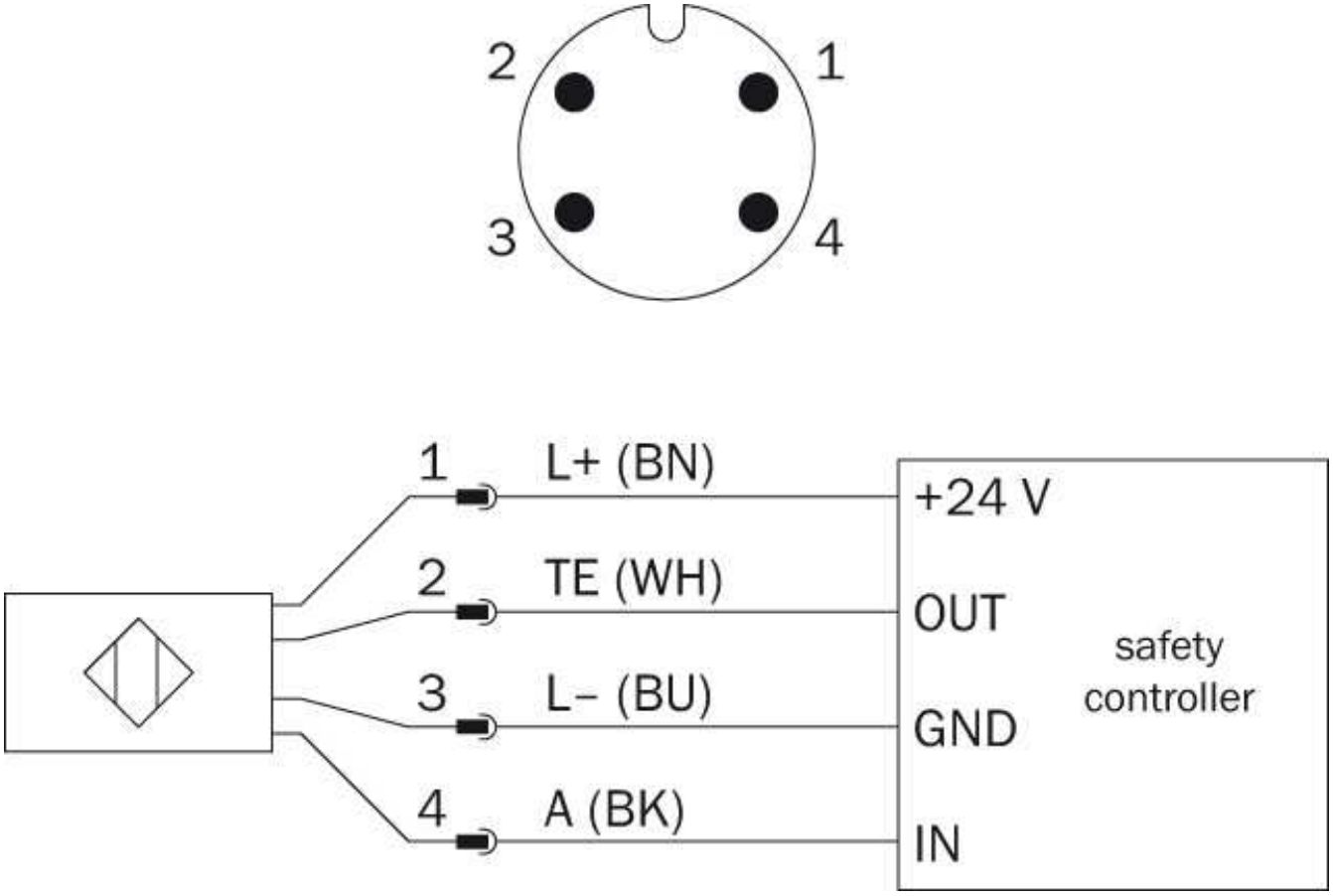
[1] At -25 °C ... +70 °C and 5 % ... 95 % relative air humidity [2] At +10 °C ... +40 °C and 5 % ... 70 % relative air humidity

Response range



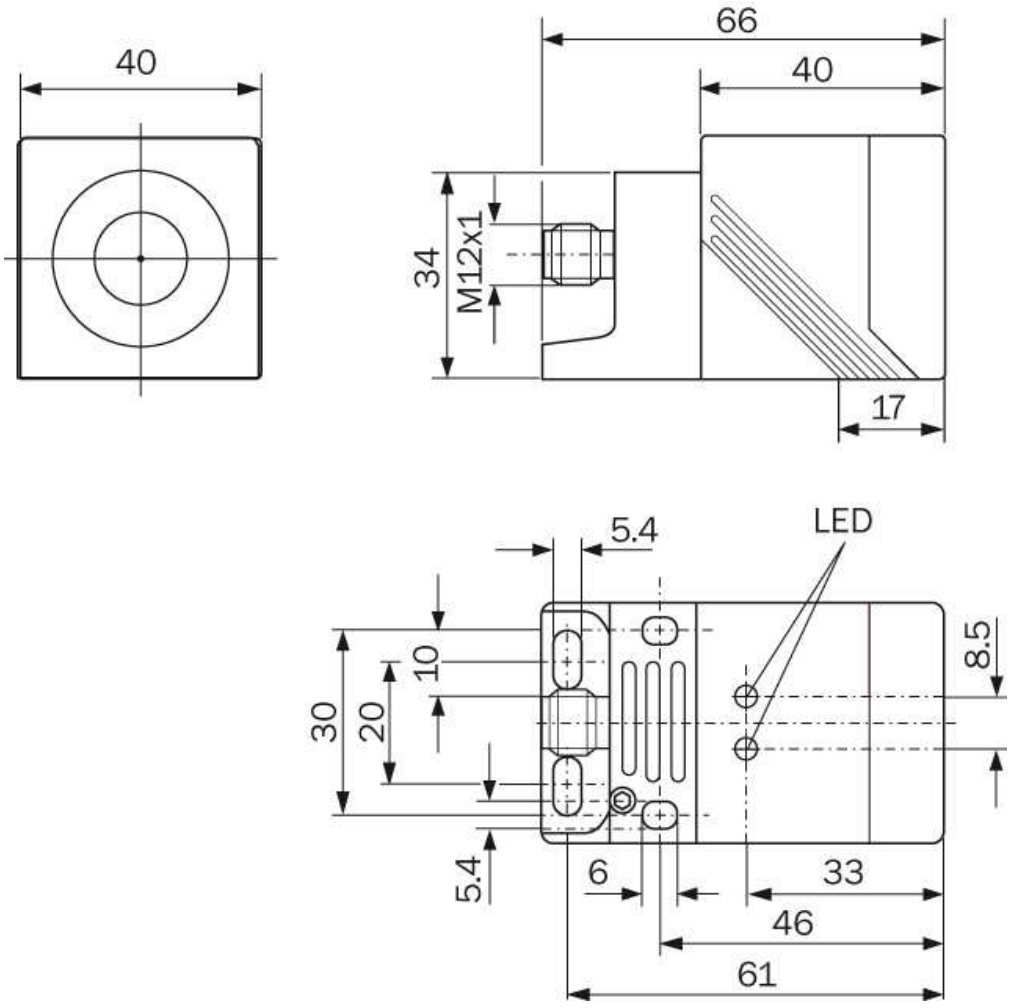
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Connection diagram



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Dimensional drawing



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Australia
Phone +61 3 9457 0600
1800 33 48 02 – 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 marketing@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 +972-4-6881000
E-Mail info@sick-sensors.com

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

Japan
Phone +81 (0)3 5309 2112
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 sick@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 88 65 878
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**

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