



Inductive safety switches IN4000 Direct Sensor

IN40-E0109K



Model Name > [IN40-E0109K](#)
Part No. > [6050281](#)

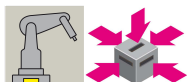


At a glance

- Two OSSD safety outputs for direct connection of sensors to a single safety controller
- Response range of up to 20 mm
- LED status indicator
- Up to performance level PL e / Cat. 4 (EN ISO 13849)
- Flexi Loop-compatible M12 plug connector

Your benefits

- 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
- 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
- Flexi Loop now enables a safe series connection with enhanced diagnostics capabilities and minimal wiring effort.



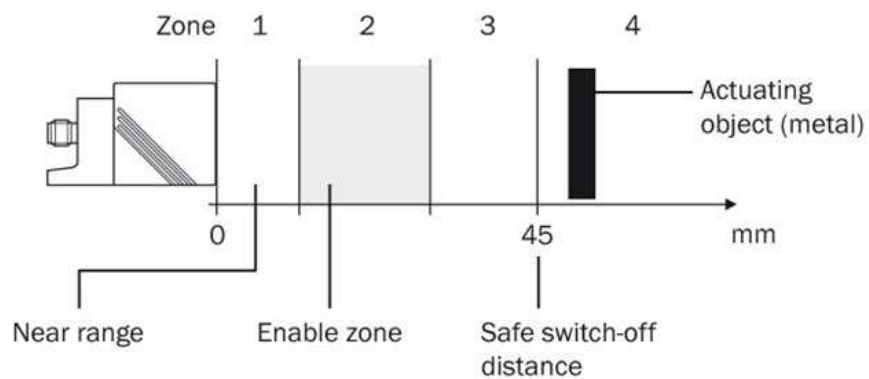
Technical data

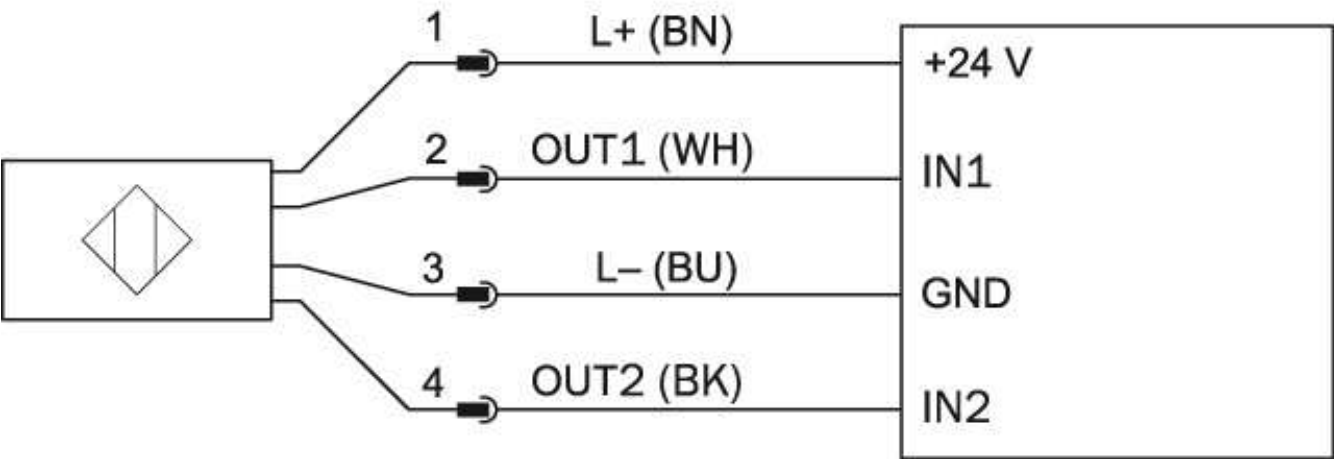
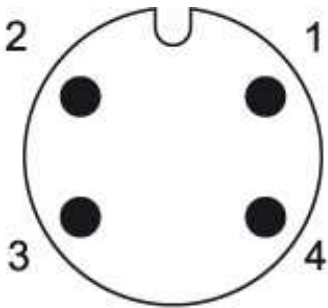
Sensor principle:	Inductive
Safety integrity level:	SIL3 (IEC 61508), SILCL3 (EN 62061)
Category:	category 4 (EN ISO 13849)
Performance level:	PL e (EN ISO 13849)
PFHd:	2.5 * 1E-09
TM (mission time)::	10 a (EN ISO 13849) 1) 2) 20 a (EN ISO 13849)
Housing material:	Die-cast zinc (housing), PPE (cover)
Enclosure rating:	IP 67 (EN 60529)
Protection class:	III (EN 50178)
Ambient operating temperature:	-25 °C ... +60 °C
Electrical connection:	Plug connector, M12, 4-pin
Flexi Loop-compatible plug connector:	✓
Type of output:	Semiconductor (OSSD)
Number of safe outputs:	2
Safe switch on distance Sao:	20 mm

Status display:	✓
Design:	Rectangular
Dimensions:	40 mm x 40 mm x 66 mm
Installation type:	Non-flush
Weight:	0.22 kg

1) At -25 °C ... +60 °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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