



## Inductive safety switches IN4000 Direct Sensor

IN40-E0109K



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

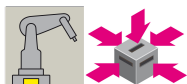


#### At a glance

- 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)
- Sensors with 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



#### 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)<br>20 a (EN ISO 13849) |
| Housing material:                          | Die-cast zinc (housing), PPE (cover)             |
| Enclosure rating:                          | IP 67 (EN 60529)                                 |
| Protection class:                          | III                                              |
| Ambient operating temperature from ... to: | -25 °C ... 60 °C                                 |
| Connection type:                           | Connector                                        |
| Size of the cable gland:                   | M12                                              |
| Type of output:                            | Semiconductor (OSSD)                             |
| Number of safe outputs:                    | 2                                                |
| Safe switch on distance Sao:               | 20 mm                                            |
| Status display:                            | ✓                                                |
| Housing:                                   | Rectangular                                      |

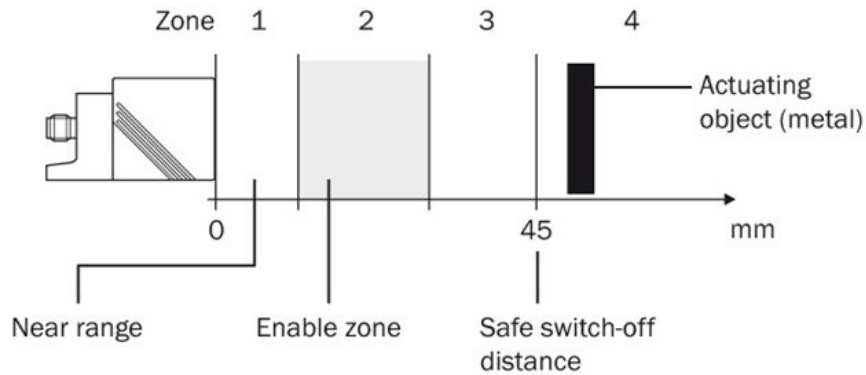
Dimensions: 40 mm x 40 mm x 66 mm

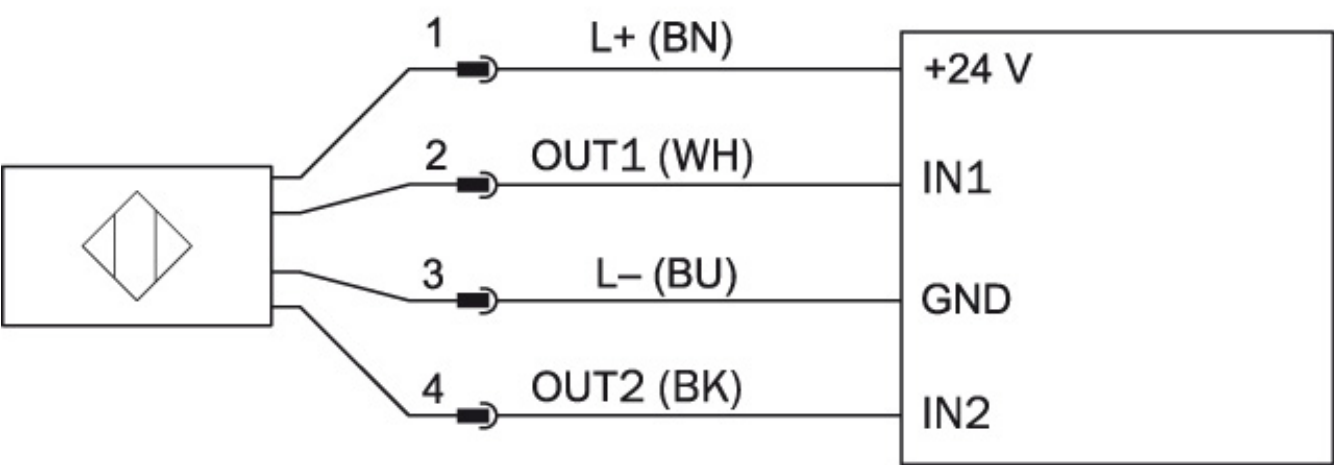
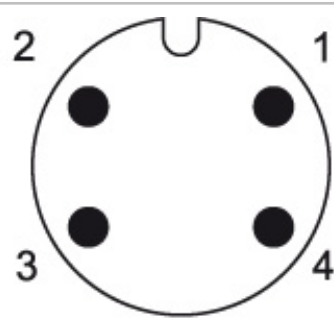
Installation type: Non-flush

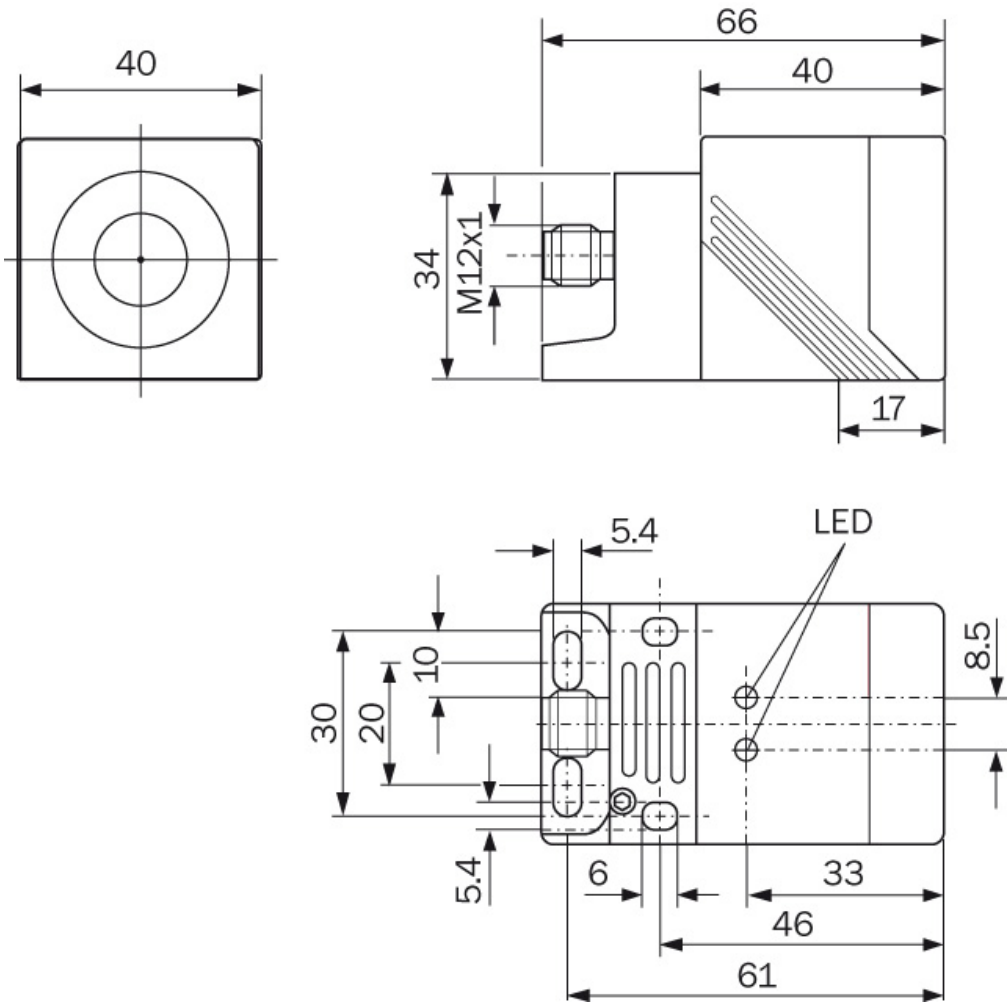
Weight: 0.22 kg

<sup>1)</sup> At -25 °C ... +60 °C and 5 % ... 95 % relative air humidity <sup>2)</sup> At +10 °C ... +40 °C and 5 % ... 70 % relative air humidity

## Response range







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