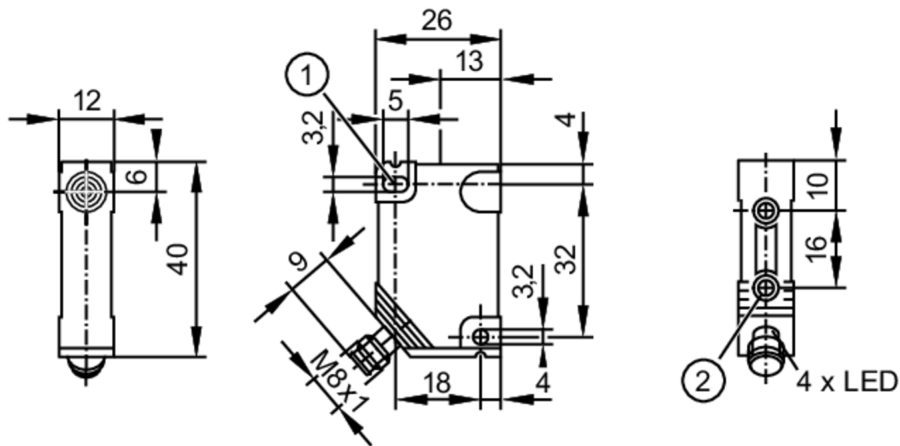


# IN5364



## Inductive sensor

IN-3002-APKG/AS-514-TPO



- 1 fixing hole  
2 threaded bush M3 Depth 5.8 mm



### Product characteristics

|                    |                 |
|--------------------|-----------------|
| Electrical design  | PNP             |
| Output function    | normally closed |
| Sensing range [mm] | 2               |
| Housing            | rectangular     |
| Dimensions [mm]    | 40 x 12 x 26    |

### Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...36 DC |
| Current consumption [mA]    | 15; (24 V) |
| Protection class            | III        |
| Reverse polarity protection | yes        |

### Outputs

|                                                      |                 |
|------------------------------------------------------|-----------------|
| Electrical design                                    | PNP             |
| Output function                                      | normally closed |
| Max. voltage drop switching output DC [V]            | 2.5             |
| Permanent current rating of switching output DC [mA] | 250             |
| Switching frequency DC [Hz]                          | 1400            |
| Short-circuit protection                             | yes             |
| Type of short-circuit protection                     | pulsed          |
| Overload protection                                  | yes             |

### Detection zone

|                            |               |
|----------------------------|---------------|
| Sensing range [mm]         | 2             |
| Real sensing range Sr [mm] | $2 \pm 10 \%$ |
| Operating distance [mm]    | 0...1.6       |

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## Inductive sensor

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| Accuracy / deviations         |                                                                             |                                                        |
|-------------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------|
| Correction factor             | steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3 |                                                        |
| Hysteresis                    | [% of Sr]                                                                   | 3...15                                                 |
| Switch point drift            | [% of Sr]                                                                   | -10...10                                               |
| Operating conditions          |                                                                             |                                                        |
| Ambient temperature           | [°C]                                                                        | -25...80                                               |
| Protection                    |                                                                             | IP 65                                                  |
| Tests / approvals             |                                                                             |                                                        |
| EMC                           | EN 60947-5-2                                                                |                                                        |
| MTTF                          | [years]                                                                     | 1906                                                   |
| Mechanical data               |                                                                             |                                                        |
| Weight                        | [g]                                                                         | 20                                                     |
| Housing                       |                                                                             | rectangular                                            |
| Mounting                      |                                                                             | flush mountable                                        |
| Dimensions                    | [mm]                                                                        | 40 x 12 x 26                                           |
| Materials                     |                                                                             | PBT                                                    |
| Fixing hole                   |                                                                             |                                                        |
| Tightening torque             | [Nm]                                                                        | < 0.5                                                  |
| Threaded bush                 |                                                                             |                                                        |
| Tightening torque             | [Nm]                                                                        | < 1.2; (when brass insert in contact with counterpart) |
| Displays / operating elements |                                                                             |                                                        |
| Display                       | switching status                                                            | 4 x 90° LED, yellow                                    |
| Remarks                       |                                                                             |                                                        |
| Pack quantity                 |                                                                             | 1 pcs.                                                 |
| Electrical connection - plug  |                                                                             |                                                        |
| Connector: 1 x M8; coding: A  |                                                                             |                                                        |
|                               |                                                                             |                                                        |

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### Connection

