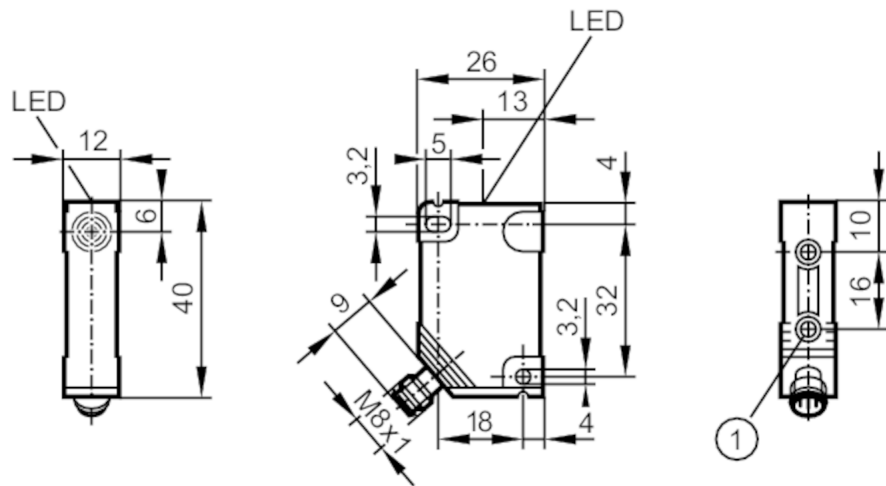


# IN5212



## Inductive sensor

IN-3004-BPKG/AS-610-TPS



- 1 threaded bush M3 Depth 5.8 mm  
Tightening torque maximum 1.2 Nm screw fixing class 8.8  
when brass insert in contact with counterpart



| Product characteristics                         |      |               |
|-------------------------------------------------|------|---------------|
| Electrical design                               |      | PNP           |
| Output function                                 |      | normally open |
| Sensing range                                   | [mm] | 4             |
| 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 open |
| Max. voltage drop switching output DC           | [V]  | 2.5           |
| Permanent current rating of switching output DC | [mA] | 250           |
| Switching frequency DC                          | [Hz] | 1300          |
| Short-circuit protection                        |      | yes           |
| Type of short-circuit protection                |      | pulsed        |
| Overload protection                             |      | yes           |
| Detection zone                                  |      |               |
| Sensing range                                   | [mm] | 4             |
| Real sensing range Sr                           | [mm] | 4 ± 10 %      |
| Operating distance                              | [mm] | 0...3.25      |



## Inductive sensor

IN-3004-BPKG/AS-610-TPS

| Accuracy / deviations                                                               |                                                                             |                     |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------|
| Correction factor                                                                   | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2 |                     |
| Hysteresis                                                                          | [% of Sr]                                                                   | 1...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                                                                |                     |
|                                                                                     | EN 55011                                                                    | class B             |
| MTTF                                                                                | [years]                                                                     | 1925                |
| UL approval                                                                         | Ta                                                                          | 0...40 °C           |
|                                                                                     | Enclosure type                                                              | Type 1              |
|                                                                                     | power supply                                                                | Hazardous voltage   |
|                                                                                     | File number UL                                                              | E174191             |
| Mechanical data                                                                     |                                                                             |                     |
| Weight                                                                              | [g]                                                                         | 20.5                |
| Housing                                                                             |                                                                             | rectangular         |
| Mounting                                                                            |                                                                             | non-flush mountable |
| Dimensions                                                                          | [mm]                                                                        | 40 x 12 x 26        |
| Materials                                                                           |                                                                             | PBT                 |
| Displays / operating elements                                                       |                                                                             |                     |
| Display                                                                             | switching status                                                            | 1 x LED, yellow     |
| Remarks                                                                             |                                                                             |                     |
| Pack quantity                                                                       |                                                                             | 1 pcs.              |
| Electrical connection - plug                                                        |                                                                             |                     |
| Connector: 1 x M8; coding: A                                                        |                                                                             |                     |
|  |                                                                             |                     |



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### Connection

