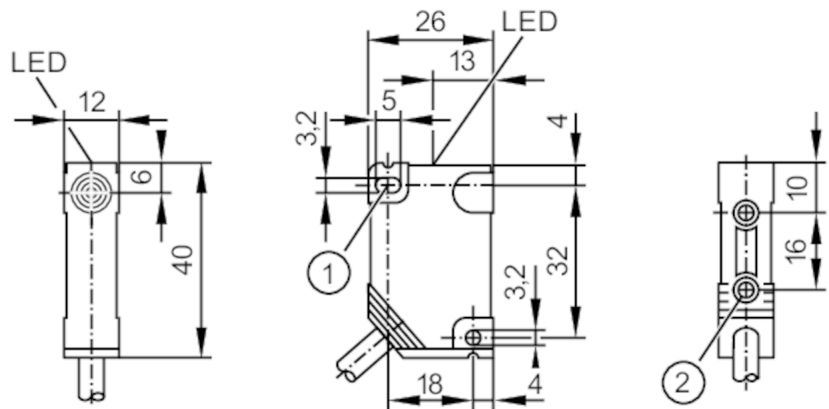


# IN5131



## Inductive sensor

IN-3004-BPKG/10M



- 1 mounting hole
- 2 threaded bush M3 Depth 5.8 mm
- 3 illustration (example)



| 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                                |      | II            |
| 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      |

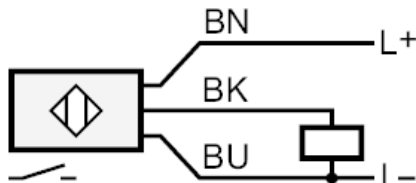
IN5131



Inductive sensor

IN-3004-BPKG/10M

| Accuracy / deviations         |                                                                             |                                                        |
|-------------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------|
| Correction factor             | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2 |                                                        |
| Hysteresis                    | [X01]                                                                       | 1...15                                                 |
| Switch point drift            | [X01]                                                                       | -10...10                                               |
| Operating conditions          |                                                                             |                                                        |
| Ambient temperature           | [°C]                                                                        | -25...80                                               |
| Protection                    |                                                                             | IP 67                                                  |
| Tests / approvals             |                                                                             |                                                        |
| EMC                           | EN 60947-5-2                                                                |                                                        |
|                               | EN 55011                                                                    | class B                                                |
| MTTF                          | [ANN]                                                                       | 1925                                                   |
| Mechanical data               |                                                                             |                                                        |
| Weight                        | [g]                                                                         | 485.5                                                  |
| Housing                       |                                                                             | rectangular                                            |
| Mounting                      |                                                                             | non-flush mountable                                    |
| Dimensions                    | [mm]                                                                        | 40 x 12 x 26                                           |
| Materials                     |                                                                             | PBT                                                    |
| Mounting 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                                                            | 1 x LED, yellow                                        |
| Remarks                       |                                                                             |                                                        |
| Pack quantity                 |                                                                             | 1 pcs.                                                 |
| Electrical connection         |                                                                             |                                                        |
| Cable: 10 m, PVC; 3 x 0.5 mm² |                                                                             |                                                        |
| Connection                    |                                                                             |                                                        |



|      |                |
|------|----------------|
|      | Core colours : |
| BN = | brown          |
| BU = | blue           |
| BK = | black          |