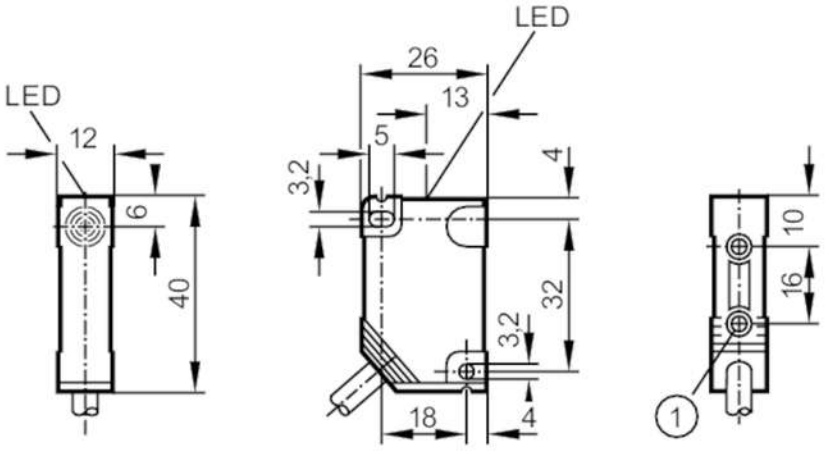
# IN5282

## Inductive sensor

IN-2004-BRKG/2A/3M




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 closed |
| Sensing range | [mm] | 4 |
| Housing | | rectangular |
| Dimensions | [mm] | 40 x 12 x 26 |
| **Application** | | |
| Special feature | | Halogen-free |
| **Electrical data** | | |
| Operating voltage | [V] | 10...36 DC |
| Protection class | | II |
| Reverse polarity protection | | yes |
| **Outputs** | | |
| Electrical design | | PNP |
| Output function | | normally closed |
| Max. voltage drop switching output DC | [V] | 4 |
| Minimum load current | [mA] | 5 |
| Max. leakage current | [mA] | 1 |
| Short-time current rating of switching output | [mA] | 2000; (only for mounting on a solid metal plate or cooling plate: 150 x 50 x 2 mm Intermittent operation with a max. switch-on time of the load current of 4 s. After that a min. switch-off time of the load current of 2 s has to be kept.) |
| Switching frequency DC | [Hz] | 70 |
| **Detection zone** | | |
| Sensing range | [mm] | 4 |
| Real sensing range Sr | [mm] | 4 ± 10 % |
| Operating distance | [mm] | 0...3.25 |

# IN5282

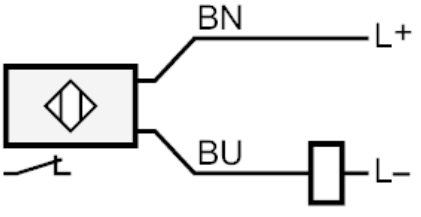
## Inductive sensor

IN-2004-BRKG/2A/3M

| | | | |
|---|---|---|---|
| **Accuracy / deviations** | | | |
| Correction factor | | steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3 | |
| Hysteresis | [% of Sr] | 1...15 | |
| Switch point drift | [% of Sr] | -10...10 | |
| **Operating conditions** | | | |
| Ambient temperature | [°C] | -25...80 | |
| Protection | | IP 67 | |
| **Tests / approvals** | | | |
| MTTF | [years] | 874 | |
| **Mechanical data** | | | |
| Weight | [g] | 143 | |
| 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** | | | |

Cable: 3 m, PUR, Halogen-free; 2 x 0.5 mm²

Connection




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