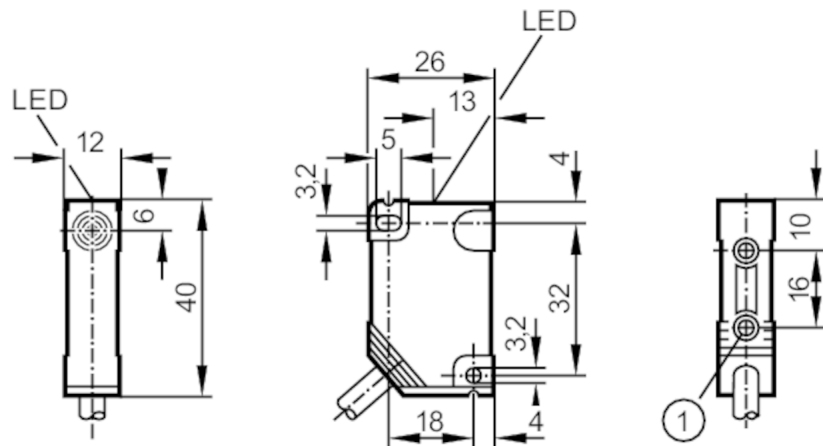


IN5188



Inductive sensor

IN-3004-APKG



- 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 |

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 closed |
| 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 |

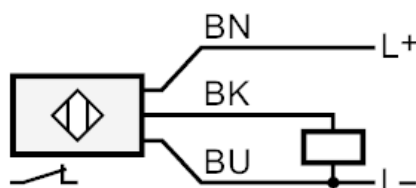
IN5188



Inductive sensor

IN-3004-APKG

| 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 67 |
| Tests / approvals | | |
| EMC | | EN 60947-5-2 |
| MTTF | [years] | 1925 |
| Mechanical data | | |
| Weight | [g] | 113.4 |
| 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: 2 m, PVC; 3 x 0.5 mm ² | | |
| Connection | | |



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