# IW5037

## Inductive sensor

IW-3008-BPOG/PPU

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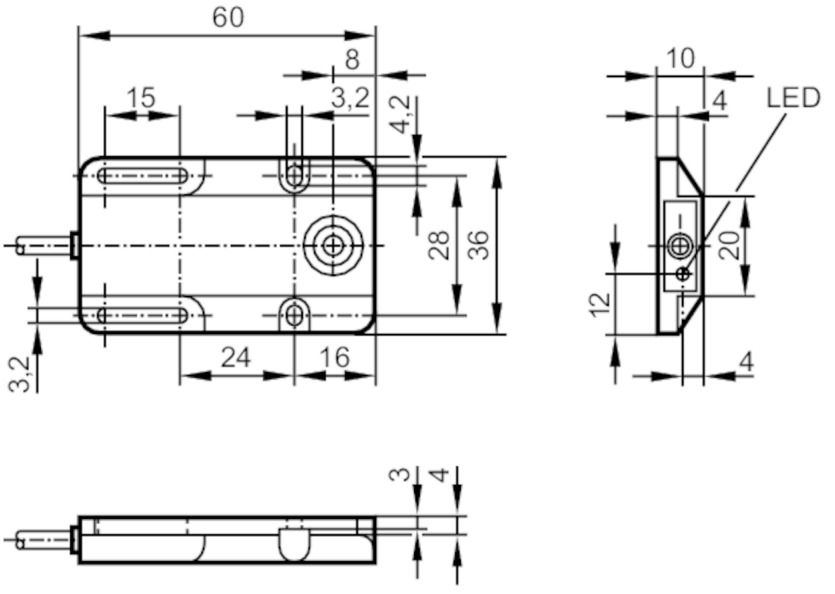


| | | |
|---|---|---|
| **Product characteristics** | | |
| Electrical design | | PNP |
| Output function | | normally open |
| Sensing range | [mm] | 8 |
| Housing | | rectangular |
| Dimensions | [mm] | 60 x 36 x 10 |
| **Electrical data** | | |
| Operating voltage | [V] | 10...36 DC |
| Current consumption | [mA] | 15;  (24 V) |
| Protection class | | II |
| Reverse polarity protection | | no |
| **Outputs** | | |
| Electrical design | | PNP |
| Output function | | normally open |
| Max. voltage drop switching output DC | [V] | 1 |
| Permanent current rating of switching output DC | [mA] | 250 |
| Switching frequency DC | [Hz] | 120 |
| Short-circuit protection | | no |
| Overload protection | | no |
| **Detection zone** | | |
| Sensing range | [mm] | 8 |

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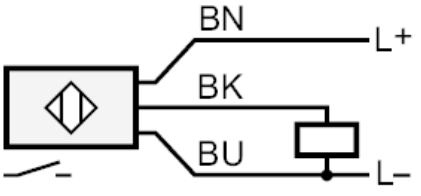
IW-3008-BPOG/PPU

| | | | |
|---|---|---|---|
| Real sensing range Sr | [mm] | 8 ± 10 % | |
| Operating distance | [mm] | 0...6.5 | |
| **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 | |
| | | EN 55011 | class B |
| **Mechanical data** | | | |
| Housing | | rectangular | |
| Mounting | | non-flush mountable | |
| Dimensions | [mm] | 60 x 36 x 10 | |
| Materials | | PBT | |
| **Displays / operating elements** | | | |
| Display | | switching status | 1 x LED, yellow |
| **Remarks** | | | |
| Pack quantity | | 1 pcs. | |
| **Electrical connection** | | | |

Cable: 2 m, PUR / PVC; 3 x 0.14 mm²

Connection




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