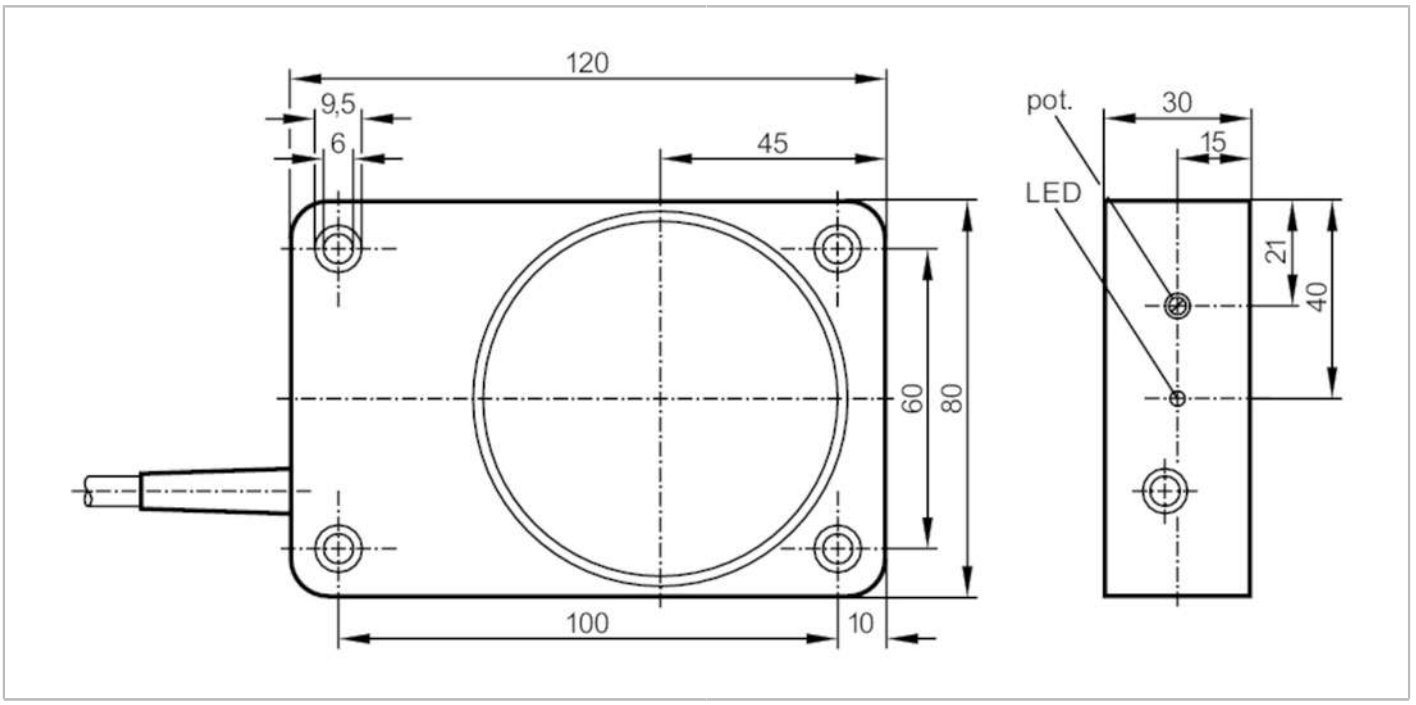
# ID5033

## Inductive sensor

ID-3050-BPKG/6M




| | | |
|---|---|---|
| **Product characteristics** | | |
| Electrical design | | PNP |
| Output function | | normally open |
| Sensing range | [mm] | 50 |
| Housing | | rectangular |
| Dimensions | [mm] | 120 x 80 x 30 |
| **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] | 100 |
| Short-circuit protection | | yes |
| Type of short-circuit protection | | pulsed |
| Overload protection | | yes |
| **Detection zone** | | |
| Sensing range | [mm] | 50 |

# ID5033

## Inductive sensor

ID-3050-BPKG/6M

| | | | |
|---|---|---|---|
| Sensing range adjustable | | | yes |
| Factory setting sensing range | [mm] | | 50 |
| Real sensing range Sr | [mm] | | 50 ± 10 % |
| Operating distance | [mm] | | 0...40.5 |
| **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 61000-4-2 ESD | - CD / 8 kV AD |
| | | EN 61000-4-3 HF radiated | 10 V/m |
| | | EN 61000-4-4 Burst | 2 kV |
| | | EN 61000-4-5 Surge | 0,5 kV line to line, Ri: 2 Ohm |
| | | EN 61000-4-6 HF conducted | 3 V |
| | | EN 55011 | class B |
| MTTF | [years] | | 1390 |
| **Mechanical data** | | | |
| Weight | [g] | | 750 |
| Housing | | | rectangular |
| Mounting | | | non-flush mountable |
| Dimensions | [mm] | | 120 x 80 x 30 |
| Materials | | | PPE |
| **Displays / operating elements** | | | |
| Display | | switching status | 1 x LED, yellow |
| **Accessories** | | | |
| Items supplied | | | screwdriver: 1 |
| **Remarks** | | | |
| Pack quantity | | | 1 pcs. |

# ID5033

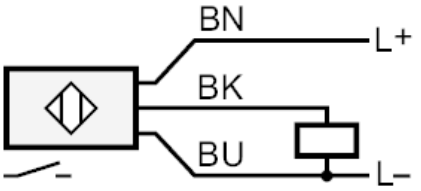
## Inductive sensor

**ID-3050-BPKG/6M**

## Electrical connection

Cable: 6 m, PVC; 3 x 0.5 mm²

### Connection




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