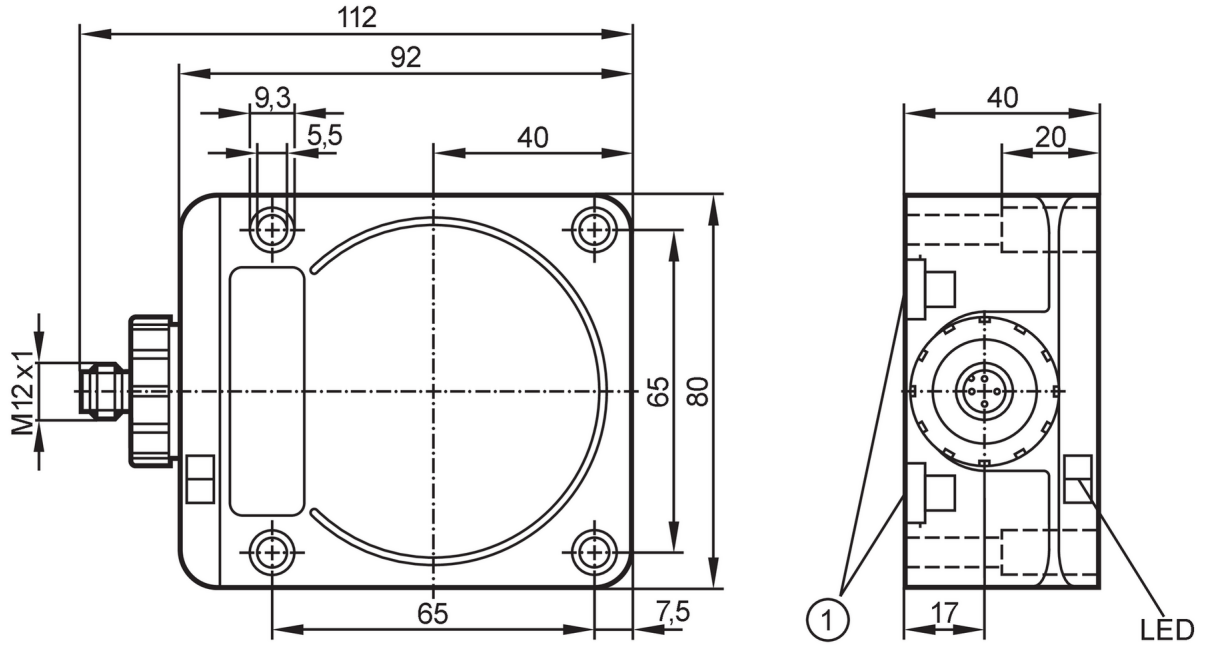
# ID5055

## Inductive sensor

IDC3050BBPKG/2LED/US-100-DPS




1 mounting on DIN rail

| | | |
|---|---|---|
| **Product characteristics** | | |
| Electrical design | | PNP |
| Output function | | normally open |
| Sensing range | [mm] | 50 |
| Housing | | rectangular |
| Dimensions | [mm] | 92 x 80 x 40 |
| **Application** | | |
| Application | | Industrial applications / factory automation |
| **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] | 70 |
| Short-circuit protection | | yes |
| Type of short-circuit protection | | pulsed |
| Overload protection | | yes |

# ID5055

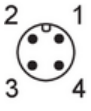
## Inductive sensor

IDC3050BBPKG/2LED/US-100-DPS

| | | | |
|---|---|---|---|
| **Detection zone** | | | |
| Sensing range | [mm] | 50 | |
| Operating distance | [mm] | 0...40.5;  (mounted flush with mild steel (ST37)) | |
| **Accuracy / deviations** | | | |
| Correction factor | | steel: 1 / stainless steel: 0.85 / brass: 0.48 / aluminium: 0.46 / copper: 0.38 | |
| Hysteresis | [% of Sr] | 3...20 | |
| Switch point drift | [% of Sr] | -15...15 | |
| **Operating conditions** | | | |
| Ambient temperature | [°C] | -25...70 | |
| Protection | | IP 67 | |
| **Tests / approvals** | | | |
| EMC | | EN 60947-5-2 | |
| MTTF | [years] | 1588 | |
| UL approval | | Ta | 0...40 °C |
| | | Enclosure type | Type 1 |
| | | File number UL | E174191 |
| **Mechanical data** | | | |
| Weight | [g] | 420.5 | |
| Housing | | rectangular | |
| Mounting | | flush mountable | |
| Type of mounting | | mounting on DIN rail;  (TH35 (EN 60715)) | |
| Dimensions | [mm] | 92 x 80 x 40 | |
| Materials | | PPE; diecast zinc nickel-plated | |
| **Displays / operating elements** | | | |
| Display | | switching status | 1 x LED, yellow |
| | | operation | 1 x LED, green |
| **Accessories** | | | |
| Items supplied | | sealing plug: 1 | |
| **Remarks** | | | |
| Pack quantity | | 1 pcs. | |

**Electrical connection - plug**

Connector: 1 x M12; coding: A; Contacts: 4



# ID5055

## Inductive sensor

**IDC3050BBPKG/2LED/US-100-DPS**

## Connection

