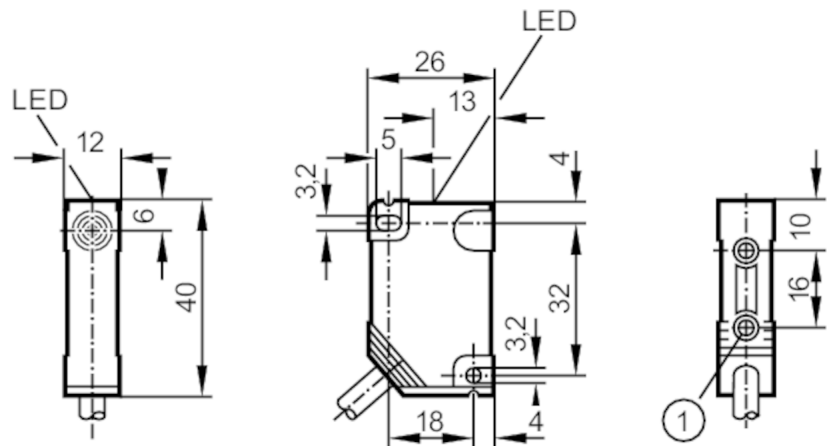


# IN5133



## Inductive sensor

IN-3004-ANKG



- 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  | NPN           |
| Output function    | normally open |
| 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                                    | NPN           |
| 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]                          | 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 |

# IN5133



## Inductive sensor

IN-3004-ANKG

### 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 |
| MTTF | [years]      | 1781    |

### Mechanical data

|            |      |                     |
|------------|------|---------------------|
| Weight     | [g]  | 112.9               |
| 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 |
|---------|------------------|-----------------|

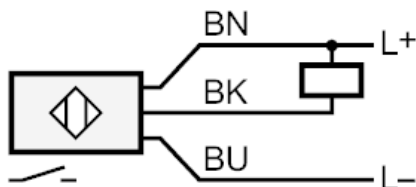
### Remarks

|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

### Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm<sup>2</sup>

### Connection



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