



## Inductive sensor

IN-3002LBPOG

Article no longer available - archive entry

Alternative articles: IN5121

When selecting an alternative article and accessories please note that technical data may differ!



### Product characteristics

|                    |               |
|--------------------|---------------|
| Electrical design  | PNP           |
| Output function    | normally open |
| Sensing range [mm] | 2             |
| Housing            | rectangular   |
| Dimensions [mm]    | 40 x 12 x 26  |

### Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...55 DC |
| Current consumption [mA]    | 7; (24 V)  |
| 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] | 400           |
| Switching frequency DC [Hz]                          | 800           |
| Short-circuit protection                             | no            |
| Overload protection                                  | no            |

### Detection zone

|                    |   |
|--------------------|---|
| Sensing range [mm] | 2 |
|--------------------|---|

# IN5012



## Inductive sensor

IN-3002LBPOG

|                          |      |               |
|--------------------------|------|---------------|
| Real sensing range $S_r$ | [mm] | $2 \pm 10 \%$ |
| Operating distance       | [mm] | 0...1.6       |

### Accuracy / deviations

|                    |                                                                              |          |
|--------------------|------------------------------------------------------------------------------|----------|
| Correction factor  | steel: 1 / stainless steel: 0.85 / brass: 0.4 / aluminium: 0.4 / copper: 0.3 |          |
| Hysteresis         | [% of $S_r$ ]                                                                | 3...15   |
| Switch point drift | [% of $S_r$ ]                                                                | -10...10 |

### Operating conditions

|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...80 |
| Protection          |      | IP 65    |

### Mechanical data

|            |      |                 |
|------------|------|-----------------|
| Housing    |      | rectangular     |
| Mounting   |      | flush mountable |
| Dimensions | [mm] | 40 x 12 x 26    |
| Materials  |      | PBT             |

### Displays / operating elements

|         |                  |                 |
|---------|------------------|-----------------|
| Display | switching status | 1 x LED, yellow |
|---------|------------------|-----------------|

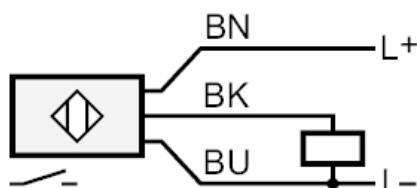
### Remarks

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

### Electrical connection

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

### Connection



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