



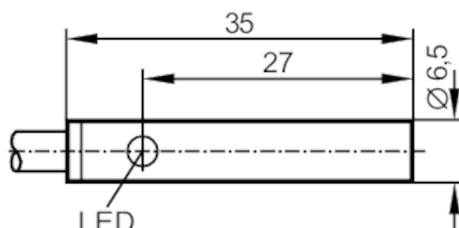
## Inductive sensor

ITB3001-BPOG/PPU

Article no longer available - archive entry

Alternative articles: IT5035

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] | 1              |
| Housing            | cylindrical    |
| Dimensions [mm]    | Ø 6.5 / L = 35 |

### Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...36 DC |
| Current consumption [mA]    | 15; (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] | 200           |
| Switching frequency DC [Hz]                          | 900           |
| Short-circuit protection                             | no            |
| Overload protection                                  | no            |

### Detection zone

|                               |               |
|-------------------------------|---------------|
| Sensing range [mm]            | 1             |
| Real sensing range $S_r$ [mm] | $1 \pm 10 \%$ |
| Operating distance [mm]       | 0...0.8       |

### Accuracy / deviations

|                          |                                                                             |
|--------------------------|-----------------------------------------------------------------------------|
| Correction factor        | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2 |
| Hysteresis [X01]         | 1...15                                                                      |
| Switch point drift [X01] | -10...10                                                                    |

# IT5010



## Inductive sensor

ITB3001-BPOG/PPU

### Operating conditions

|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...80 |
| Protection          |      | IP 67    |

### Tests / approvals

|     |              |         |
|-----|--------------|---------|
| EMC | EN 60947-5-2 |         |
|     | EN 55011     | class B |

### Mechanical data

|            |      |                          |
|------------|------|--------------------------|
| Housing    |      | cylindrical              |
| Mounting   |      | flush mountable          |
| Dimensions | [mm] | Ø 6.5 / L = 35           |
| Materials  |      | brass nickel-plated; PBT |

### Displays / operating elements

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

### Аксессуары

|                |  |                     |
|----------------|--|---------------------|
| Items supplied |  | кріпильні хомути: 1 |
|----------------|--|---------------------|

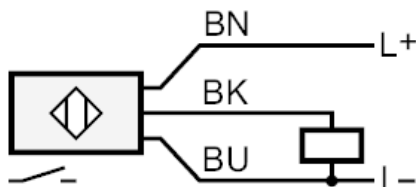
### Remarks

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

### Electrical connection

Cable: 2 m, PUR / PVC; 3 x 0.14 mm<sup>2</sup>

### Connection



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