



## Inductive sensor

IF-3004-BPOG

Article no longer available - archive entry

Alternative articles: IF5345

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] | 4                |
| Housing            | threaded type    |
| Dimensions [mm]    | M12 x 1 / L = 71 |

### Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...55 DC |
| Current consumption [mA]    | 7; (24 V)  |
| Protection class            | II         |
| 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]                          | 700           |
| Short-circuit protection                             | no            |
| Overload protection                                  | no            |

### Detection zone

|                               |               |
|-------------------------------|---------------|
| Sensing range [mm]            | 4             |
| Real sensing range $S_r$ [mm] | $2 \pm 10 \%$ |
| Operating distance [mm]       | 0...1.6       |

### Accuracy / deviations

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

# IF5008



## Inductive sensor

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### Operating conditions

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

### Mechanical data

|                    |      |                     |
|--------------------|------|---------------------|
| Housing            |      | threaded type       |
| Mounting           |      | non-flush mountable |
| Dimensions         | [mm] | M12 x 1 / L = 71    |
| Thread designation |      | M12 x 1             |
| Materials          |      | PBT                 |

### Displays / operating elements

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

### Accessories

|                |  |              |
|----------------|--|--------------|
| Items supplied |  | lock nuts: 2 |
|----------------|--|--------------|

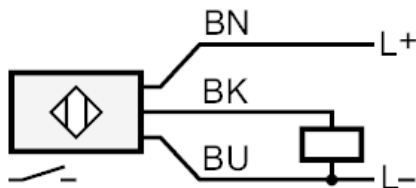
### Remarks

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

### Electrical connection

Cable: 2 m, PVC; 3 x 0.34 mm<sup>2</sup>

### Connection



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