



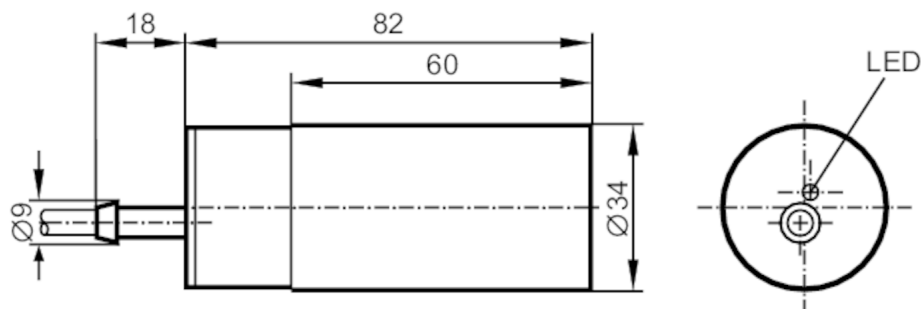
## Inductive sensor

IB-2030-BBOA

Article no longer available - archive entry

Alternative articles: IB0064

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



## Product characteristics

|                 |      |                 |
|-----------------|------|-----------------|
| Output function |      | normally closed |
| Sensing range   | [mm] | 30              |
| Housing         |      | tubular         |
| Dimensions      | [mm] | Ø 34 / L = 82   |

## Electrical data

|                             |     |                |
|-----------------------------|-----|----------------|
| Operating voltage           | [V] | 20...250 AC/DC |
| Protection class            |     | II             |
| Reverse polarity protection |     | no             |

## Outputs

|                                                 |      |                                                 |
|-------------------------------------------------|------|-------------------------------------------------|
| Output function                                 |      | normally closed                                 |
| Max. voltage drop switching output DC           | [V]  | 6                                               |
| Max. voltage drop switching output AC           | [V]  | 6.5                                             |
| Minimum load current                            | [mA] | 5                                               |
| Max. leakage current                            | [mA] | 2.6 (250 V AC) / 1.4 (110 V AC) / 0.9 (24 V DC) |
| Permanent current rating of switching output AC | [mA] | 350                                             |
| Permanent current rating of switching output DC | [mA] | 100                                             |
| Short-time current rating of switching output   | [mA] | 2200; (20 ms / 0,5 Hz)                          |
| Switching frequency AC                          | [Hz] | 25                                              |
| Switching frequency DC                          | [Hz] | 100                                             |
| Short-circuit protection                        |      | no                                              |
| Overload protection                             |      | no                                              |

## Monitoring range

|               |      |    |
|---------------|------|----|
| Sensing range | [mm] | 30 |
|---------------|------|----|

# IB0076



## Inductive sensor

IB-2030-BBOA

|                       |      |           |
|-----------------------|------|-----------|
| Real sensing range Sr | [mm] | 30 ± 10 % |
| Operating distance    | [mm] | 0...24.3  |

### Accuracy / deviations

|                    |                                                                            |          |
|--------------------|----------------------------------------------------------------------------|----------|
| Correction factor  | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 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 |

### Mechanical data

|            |      |                     |
|------------|------|---------------------|
| Housing    |      | tubular             |
| Mounting   |      | non-flush mountable |
| Dimensions | [mm] | Ø 34 / L = 82       |
| Material   |      | PBT                 |

### Displays / operating elements

|         |                  |                |
|---------|------------------|----------------|
| Display | Switching status | 1 x LED, red   |
|         | Switching status | 1 x LED, green |

### Accessories

|                |                   |
|----------------|-------------------|
| Items supplied | Mounting clamp: 1 |
|----------------|-------------------|

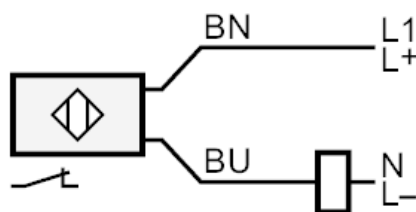
### Remarks

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

### Electrical connection

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

#### Connection



BN = Core colors : brown  
BU = blue