

## Inductive sensor

IB-3020-BPKG/10M/PH

Article no longer available - archive entry



### Product characteristics

|                    |               |
|--------------------|---------------|
| Electrical design  | PNP           |
| Output function    | normally open |
| Sensing range [mm] | 20            |
| Housing            | cylindrical   |
| Dimensions [mm]    | Ø 34 / L = 82 |

### Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...36 DC |
| Current consumption [mA]    | 15; (24 V) |
| Protection class            | II         |
| Reverse polarity protection | yes        |

### Outputs

|                                                      |               |
|------------------------------------------------------|---------------|
| Electrical design                                    | PNP           |
| 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]                          | 60            |
| Short-circuit protection                             | yes           |
| Type of short-circuit protection                     | pulsed        |
| Overload protection                                  | yes           |

### Detection zone

|                               |                |
|-------------------------------|----------------|
| Sensing range [mm]            | 20             |
| Real sensing range $S_r$ [mm] | $20 \pm 10 \%$ |
| Operating distance [mm]       | 0...16.2       |

### Accuracy / deviations

|                   |                                                                             |
|-------------------|-----------------------------------------------------------------------------|
| Correction factor | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2 |
|-------------------|-----------------------------------------------------------------------------|

# IB5132



## Inductive sensor

IB-3020-BPKG/10M/PH

|                    |       |          |
|--------------------|-------|----------|
| Hysteresis         | [X01] | 1...15   |
| Switch point drift | [X01] | -10...10 |

### Operating conditions

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

### Tests / approvals

|      |              |      |
|------|--------------|------|
| EMC  | EN 60947-5-2 |      |
| MTTF | [ANN]        | 1853 |

### Mechanical data

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

### Displays / operating elements

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

### Аксессуары

|                |                       |
|----------------|-----------------------|
| Items supplied | кріпильні хомути: 1   |
|                | socket head screws: 2 |

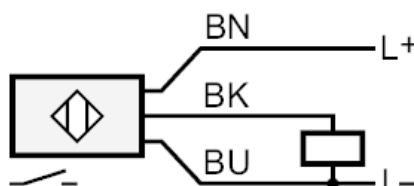
### Remarks

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

### Electrical connection

Cable: 10 m, PUR; 3 x 0.5 mm<sup>2</sup>

### Connection



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