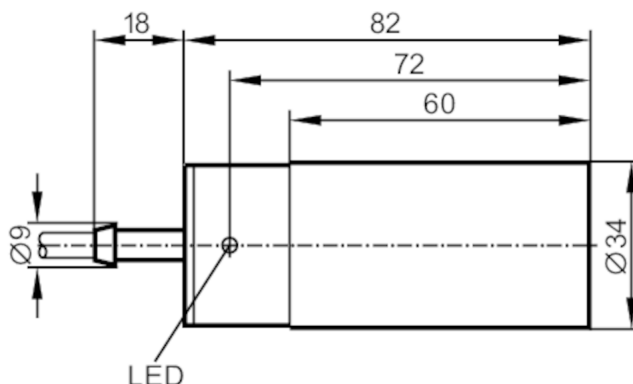


## Inductive sensor

IB-3020-BNKG

Article no longer available - archive entry



### Product characteristics

|                    |                 |
|--------------------|-----------------|
| Electrical design  | NPN             |
| Output function    | normally closed |
| 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                                    | NPN             |
| Output function                                      | normally closed |
| 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 Sr [mm] | 20 ± 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 |
|-------------------|-----------------------------------------------------------------------------|

# IB5076



## Inductive sensor

IB-3020-BNKG

|                    |       |          |
|--------------------|-------|----------|
| 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 |         |
|     | EN 55011     | class B |

### Mechanical data

|            |      |                     |
|------------|------|---------------------|
| Weight     | [g]  | 0.259               |
| 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 |
|----------------|---------------------|

### Remarks

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

### Electrical connection

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

### Connection



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